

SUPREME COURT OF THE STATE OF NEW YORK
APPELLATE DIVISION: FIRST DEPARTMENT

In the Matter of a Proceeding under Article 70 of the CPLR
for a Writ of Habeas Corpus and Order to Show Cause,

Case No.: 2020-02581

THE NONHUMAN RIGHTS PROJECT, INC., on behalf
of HAPPY,

Index No.: 260441/2019
(Bronx County)

Petitioner-Appellant,

**NOTICE OF MOTION
OF PHILOSOPHERS
FOR LEAVE TO FILE
BRIEF AS AMICI
CURIAE**

-against-

JAMES J. BREHENY, in his official capacity as the
Executive Vice President and General Director of Zoos
and Aquariums of the Wildlife Conservation Society and
Director of the Bronx Zoo, and WILDLIFE
CONSERVATION SOCIETY,

Respondents-Respondents.

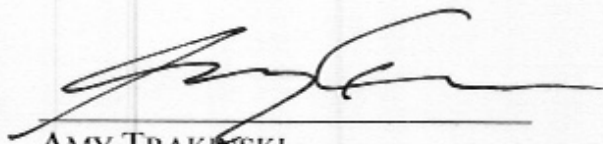
PLEASE TAKE NOTICE that, upon the annexed affirmation of Amy Trakinski, dated July 16, 2020, the undersigned will move this Court, on behalf of Gary Comstock, Ph.D., G.K.D. Crozier, Ph.D., Andrew Fenton, Ph.D., Tyler John, L. Syd M Johnson, Ph.D., Robert C. Jones, Ph.D., Letitia Meynell, Ph.D., Nathan Nobis, Ph.D., David Peña-Guzmán, Ph.D., James Rocha, Ph.D., Bernard Rollin, Ph.D., and Jeff Sebo, Ph.D. (collectively, “Philosophers”), at a term of the Appellate Division of the Supreme Court, First Judicial Department, at the Courthouse located at 27 Madison Avenue, New York, New York, for an order granting leave to file the

annexed brief as *Amici Curiae* in support of the Petitioner-Appellant, the Nonhuman Rights Project, Inc., in the above-captioned action.

PLEASE TAKE FURTHER NOTICE, that the motion is returnable at 10 o'clock in the forenoon on July 27, 2020, which is at least 9 days from the date of service of these papers. Parties are hereby advised that arguments will be on the papers and no appearance is required or permitted.

Dated: July 16, 2020

By:



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Ph.D., Letitia Meynell, Ph.D., Nathan
Nobis, Ph.D., David Peña-Guzmán, Ph.D.,
James Rocha, Ph.D., Bernard Rollin, Ph.D.
and Jeff Sebo, Ph.D.

NOTICE (VIA NYSCEF) TO:

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Appellate Division – First Department
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SUPREME COURT OF THE STATE OF NEW YORK
APPELLATE DIVISION: FIRST DEPARTMENT

In the Matter of a Proceeding under Article 70 of the CPLR
for a Writ of Habeas Corpus and Order to Show Cause,

Case No.: 2020-02581

THE NONHUMAN RIGHTS PROJECT, INC., on behalf
of HAPPY,

Index No.: 260441/2019
(Bronx County)

Petitioner-Appellant,

-against-

JAMES J. BREHENY, in his official capacity as the
Executive Vice President and General Director of Zoos
and Aquariums of the Wildlife Conservation Society and
Director of the Bronx Zoo, and WILDLIFE
CONSERVATION SOCIETY,

**AFFIRMATION OF
AMY TRAKINSKI
IN SUPPORT OF
MOTION OF
PHILOSOPHERS
FOR LEAVE TO FILE
BRIEF AS *AMICI
CURIAE***

Respondents-Respondents.

I, Amy Trakinski, hereby affirm under penalty of perjury:

1. I am an attorney duly admitted to practice in the courts of the State of New York.

I submit this affirmation on behalf of Gary Comstock, Ph.D., G.K.D. Crozier, Ph.D., Andrew Fenton, Ph.D., Tyler John, L. Syd M Johnson, Ph.D., Robert C. Jones, Ph.D., Letitia Meynell, Ph.D., Nathan Nobis, Ph.D., David Peña-Guzmán, Ph.D., James Rocha, Ph.D., Bernard Rollin, Ph.D., and Jeff Sebo, Ph.D. (collectively, “Philosophers”) in support of their motion to submit the attached brief as *Amici Curiae* in support of the Petitioner-Appellant Nonhuman Rights Project, Inc. (“NhRP”) in the above-captioned proceedings. I am not a party to

this proceeding nor do I represent any of the parties to it. Attached hereto as Exhibit 1 is the Order appealed from. Attached hereto as Exhibit 2 is the Notice of Appeal.

2. The Philosophers have expertise in animal ethics, political theory, the philosophy of animal cognition and behavior, and the philosophy of biology and seek to submit an amicus brief in support of the NhRP's efforts to secure habeas corpus relief for Happy. Collectively, the Philosophers have long-standing interests in the ethical and legal duties to animals and share a commitment to rejecting arbitrary distinctions used prejudicially to protect humans without protecting other animals. They seek to submit their brief as *Amici Curiae* because of their interest in ensuring the law is applied and interpreted in a manner that is consistent with the best philosophical standards of rational judgment and ethical standards of justice.
3. The Philosophers were granted leave to file briefs as *Amici Curiae* in this Court and other appellate courts in New York State in similar cases, including the Court of Appeals.
4. Gary L. Comstock is professor of philosophy at North Carolina State University where he conducts research on ethical questions in the biological sciences. Dr. Comstock received his undergraduate degree from Wheaton College and his M.A. and Ph.D. degrees from the University of Chicago. He teaches courses in

moral philosophy, taking up subjects to include animal ethics and human medical ethics. He is co-editor of *The Moral Rights of Animals* (Lexington Press, 2016) and discusses the use of animals in research in his books, *Research Ethics: A Philosophical Guide to the Responsible Conduct of Research* (Cambridge University Press, 2013), and *Vexing Nature? On the Ethical Case Against Agricultural Biotechnology* (Kluwer, 2000). He has written on ethical questions surrounding the study of animal behavior and neuroanatomy, the genetic modification of farm animals, the permissibility of hunting, and animal metacognition. Recent papers take up legal questions concerning the intrinsic value of companion animals and the merits of the philosophical argument for animal personhood from overlapping species. Comstock was ASC Fellow of the National Humanities Center and edited *Life Science Ethics* (2002, 2010), *Is There a Moral Obligation to Save the Family Farm?* (1987), and *Religious Autobiographies* (1994, 2003). He serves on the board of the Culture and Animals Foundation. (CV attached as Exhibit 3).

5. G. K. D. Crozier is a professor in the Department of Philosophy at Laurentian University, and a Canada Research Chair of Environment, Culture and Values. She received her B.A. (Hons.) from McMaster University, her M.A. from the University of Guelph, and her Ph.D. from the University of Western Ontario. Prior to joining Laurentian University in 2011, she undertook a Postdoctoral

Fellowship in bioethics in the Novel Tech Ethics research group at Dalhousie University and held a tenure-track position in philosophy at Loyola University in Chicago. Specializing in the philosophy of the life sciences, including bioethics and the philosophy of biology, Dr. Crozier's manuscripts have been published in top peer-reviewed journals including the *British Journal for the Philosophy of Science*, the *Kennedy Institute of Ethics Journal*, and the *Hastings Centre Report*. She has also contributed chapters to edited volumes published by prestigious presses, including Cambridge University Press, Springer, and Routledge. Her manuscripts appear in science journals such as *Evolutionary Applications* and the *American Association for the Advancement of Artificial Intelligence*, and she has been awarded 2.98 million dollars in awards and grants as Principle Investigator or Co-Investigator. Dr. Crozier is a co-founding member of the Centre for Evolutionary Ecology and Ethical Conservation – a multi-disciplinary research center dedicated to theoretical and applied challenges of biodiversity conservation and human-animal relations. Her work involves collaborations with Canada's Accredited Zoos and Aquariums, the Association of Zoos and Aquariums, the Canadian Council on Animal Care, and the Canadian Society for Ecology and Evolution. (CV attached as Exhibit 4).

6. Andrew Fenton is an associate professor in the Department of Philosophy at Dalhousie University. Dr. Fenton received his B.A. (Hons.) in Philosophy and

Comparative Religion from Acadia University, his M.A. in Philosophy from Dalhousie University, and his Ph.D. in Philosophy from the University of Calgary. He has been a Postdoctoral Fellow in the Novel Tech Ethics research group at Dalhousie University and is now a team member. Dr. Fenton also coordinates the interdisciplinary and transinstitutional Halifax Animal Studies Group in Halifax, Nova Scotia and has been serving on a Canadian Council of Animal Care subcommittee. He primarily teaches in applied ethics but also has taught courses in animal philosophy or animal ethics. He has authored or co-authored papers related to animal philosophy or animal ethics which appear in such journals as *Biology and Philosophy*, *Cambridge Quarterly of Healthcare Ethics*, *ILAR Journal*, *Journal of Animal Ethics*, and *The Monist* and has chapters on these topics in *The Routledge Handbook of Neuroethics* (co-edited by L. Syd M Johnson and Karen Rommelfanger, Routledge, 2018), *The Routledge Handbook of Philosophy of Animal Minds* (coedited by Kristin Andrews and Jacob Beck, Routledge, 2018) and the *Philosophy of Behavioral Biology* (co-edited by Kathryn Plaisance and Thomas Reydon, Springer, 2012). Dr. Fenton is also a collaborator on the Natural Sciences and Engineering Research Council CREATE grant, “*ReNewZoo: Training Conservation Professionals for the Zoo/Aquarium of the 21st Century*” (Albrecht Schulte-Hostedde (principal investigator) and various co-applicants). (CV attached as Exhibit 5).

7. Tyler M. John is a Ph.D. student in Philosophy at Rutgers University-New Brunswick and a Research Affiliate at the Legal Priorities Project. Previously, he was a visiting researcher at Oxford University and the Australian National University, a postbaccalaureate research fellow at the National Institutes of Health, Department of Bioethics, and a student at Cedarville University, where he completed his B.A. in Philosophy. His work on scarce resource allocation ethics and disability discrimination appears in *Economics and Philosophy* and in *Ethics*, and has been cited by the National Council on Disability. He has contributed writing on animal ethics and political philosophy to two edited volumes, and currently works on the problem of how to represent future generations in the law. He is a Rutgers University Presidential Fellow, a Global Priorities Fellow at the Forethought Foundation for Global Priorities Research, and 2017 co-winner of The Center for Values and Social Policy Young Ethicist Prize. (CV attached as Exhibit 6).

8. L. Syd M Johnson is an Associate Professor in the Center for Bioethics and Humanities, SUNY Upstate Medical University. Dr. Johnson received a BA in Film from Bard College, and an MA and Ph.D. in Philosophy from University at Albany, State University of New York. She was a Postdoctoral Fellow in Neuroethics with the Novel Tech Ethics research group at Dalhousie University. She is a member of the National Institutes of Health BRAIN Initiative

Neuroethics Working Group. Dr. Johnson co-founded and directs the Animal Bioethics Affinity Group of the American Society of Bioethics & Humanities. She co-edited *Neuroethics and Nonhuman Animals* (Springer) with Andrew Fenton and Adam Shriver. With respect to the questions raised in this brief, Dr. Johnson has several articles and book chapters on the treatment and moral status of nonhuman animals in research and in captivity. (CV attached as Exhibit 7).

9. Robert C. Jones is an Associate Professor of Philosophy at California State University, Dominguez Hills. Dr. Jones earned a PhD in philosophy from Stanford University in 2005. He has been a post-doctoral fellow at Stanford University, a visiting researcher for the Ethics in Society Project at Wesleyan University, and a Summer Fellow at the Animals & Society Institute. His research focuses on animal ethics and animal cognition through a variety of projects spanning traditional and novel areas of ethics, social justice, and food ethics, with a focus on critical animal studies and animal liberation theory and activism. Some recent academic publications include "Animal Cognition and Moral Status" in *The Routledge Companion to Environmental Ethics* (Routledge, 2020), "Speciesism and Animal Neuroscience" in *Neuroethics and Nonhuman Animals* (Springer, 2020), "Environmental, Food, and Animal Ethics Guide to Responsible Food and Agriculture Systems" in *Rethinking Food and Agriculture: New Ways Forward* (Elsevier, 2020), and "20 Anti-Vegan Arguments and

Replies" in *Encyclopedia of Veganism and Animal Ethics* (Presses Universitaires de France, 2020). Dr. Jones has given over 50 talks on animal ethics, environmental ethics, veganism, and speciesism at colloquia and conferences around the globe. (CV attached as Exhibit 8).

10. Letitia Meynell is an Associate Professor at Dalhousie University in Canada. She has a BA in Theatre from York University (1993), an MA in Philosophy from the University of Calgary (1998), and a Ph.D. in Philosophy from the University of Western Ontario (2003), where her studies focused on philosophy of science, feminist philosophy, and aesthetics. Her research addresses questions of representation in the construction of scientific knowledge and the role of anthropocentrism and androcentrism in the sciences. She has published numerous journal articles and book chapters on these topics and co-edited two collections of essays on related topics (published with Penn State and Routledge). She teaches a senior undergraduate course in philosophy of biology for philosophy and biology students and has supervised graduate theses on theories, methods, and applications in the life sciences as well as scientifically informed animal ethics. Currently, she is co-principal investigator with eminent evolutionary biologist, Ford Doolittle, on a project funded by the New Frontiers in Research Fund (Tri-Councils, Canada), called "*It's the song, not the singer(s)*": *microbiomes to Gaia*. (CV attached as Exhibit 9).

11. Nathan Nobis is an Associate Professor of Philosophy at Morehouse College, Atlanta. His Ph.D. in philosophy is from the University of Rochester, NY and his undergraduate degree is from Wheaton College, Illinois. He is the author of many articles and chapters on ethical issues concerning animals, and other topics in bioethics - including abortion, where questions of personhood often arise - and is the author of the introductory, open-access textbooks *Animals & Ethics 101: Thinking Critically About Animal Rights* and *Thinking Critically About Abortion*. (CV attached as Exhibit 10).

12. David M. Peña-Guzmán is Assistant Professor in the School of Humanities and Liberal Studies at San Francisco State University. Dr. Peña-Guzmán received his B.A. in Philosophy and Women's Studies from the University of Nevada, Reno, and his M.A. and Ph.D. in Philosophy from Emory University. He has been a Postdoctoral Fellow in at the Centre for Evolutionary Ecology and Ethical Conservation at Laurentian University and at the Berman Institute of Bioethics at Johns Hopkins University. He teaches courses in the history of science, critical animal studies, and cultural studies. He has authored and co-authored a number of articles in such journals as *Animal Sentience*, *Hypatia*, *Foucault Studies*, *The Journal of French and Francophone Philosophy*, and the *International Journal of Feminist Approaches to Bioethics*. He has also published various book chapters in edited collections. Dr. Peña-Guzmán is a collaborator on the Social Sciences

and Humanities Research Council Insight Development Grant, “*Chimpopolis: Science, Society, and the Philosophical Animal*” (along with Letitia Meynell [principal investigator] and Gillian Crozier [co-applicant]) and a collaborator on the Natural Sciences and Engineering Research Council CREATE grant, “*ReNewZoo: Training Conservation Professionals for the Zoo/Aquarium of the 21st century*” (Albrecht Schulte-Hostedde [principal investigator] and various co-applicants). (CV attached as Exhibit 11).

13. James Rocha is an Assistant Professor of philosophy at California State University, Fresno. Dr. Rocha was previously associate professor of philosophy and philosophy section head at Louisiana State University. He obtained his B.A., M.A., and Ph.D. from the University of California, Los Angeles. Dr. Rocha works in the fields of ethics, political philosophy, and philosophy of law, where he has published numerous articles, including articles on Kantian respect for animals, the autonomy of pigs, and the unethical treatment of animals in sports, in journals such as *Social Theory and Practice*, *Ethics & the Environment*, and *Between the Species*. (CV attached as Exhibit 12).

14. Bernard E. Rollin is University Distinguished Professor, Professor of Philosophy, Professor of Animal Sciences, Professor of Biomedical Sciences, and University Bioethicist at Colorado State University. He earned his BA in philosophy and literature from the City College of New York, and earned his Ph.D. in philosophy

from Columbia University. His work focuses on animal ethics, animal consciousness, animal pain, ethics of biotechnology, ethics of animal research, ethics and agriculture, history of modern philosophy, and theory of meaning. Rollin created the field of veterinary medical ethics and was part of the group that drafted the 1985 amendments to the Animal Welfare Act requiring control of pain and distress. Rollin served as a member of the Pew Commission on Industrial Farm Animal Production, and convinced Smithfield Farms to sow eliminate gestation crates. He has published 21 books on topics including philosophy of language, animal ethics, ethics of genetic engineering, animal research, and farm animal welfare. He has authored over 600 refereed papers and has lectured in 28 countries over 1500 times. (CV attached as Exhibit 13).

15. Jeff Sebo is Clinical Assistant Professor of Environmental Studies, Affiliated Professor of Bioethics, Medical Ethics, and Philosophy, and Director of the Animal Studies M.A. Program at New York University. He holds a Ph.D. in Philosophy from New York University and a B.A. in Philosophy and Sociology from Texas Christian University. He works primarily in moral, social, and political philosophy with an emphasis on bioethics, animal ethics, and environmental ethics. His book *Food, Animals, and the Environment* (with Christopher Schlottmann) is forthcoming from Routledge, and his book *Why Animals Matter for Climate Change* is forthcoming from Oxford University

Press. In addition to his academic work, Jeff sits on the Board of Directors at Animal Charity Evaluators, the Board of Directors at Minding Animals International, and the Executive Committee at the Animals & Society Institute. (CV attached as Exhibit 14).

16. The Philosophers' respective university and other affiliations are noted for identification purposes only. The Philosophers' brief reflects only their own views as scholars, not the views of any institution.

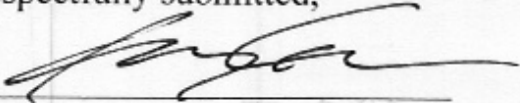
17. The Philosophers have not received compensation for their proposed *Amici Curiae* brief and none works for, consults, owns shares in, or presently receives funding from any corporation or organization that would benefit from it. The Philosophers were assisted by counsel for Petitioner-Appellant in mechanical aspects of preparing their brief. Their proposed brief is attached hereto as Exhibit 15.

WHEREFORE, I respectfully request that this Court enter an order: (i) granting the Philosopher's motion for leave to file their *Amici Curiae* brief; (ii) accepting the brief that has been filed and served along with this motion, and; (iii) granting such other and further relief as this Court deems just and proper.

Dated: July 16, 2020

Respectfully submitted,

By:


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Nobis, Ph.D., David Peña-Guzmán, Ph.D.,
James Rocha, Ph.D., Bernard Rollin, Ph.D.
and Jeff Sebo, Ph.D.

EXHIBIT 1

SUPREME COURT OF THE STATE OF NEW YORK
 COUNTY OF BRONX, PART 5

The NonHuman Rights Project
 on behalf of HAPPY -against-

Index No. 260441/19

Hon. Alison Y. Tuitt

Justice Supreme Court

Brekens, James J.

The following papers numbered 1 to 16 were read on ^{these} ~~this~~ motions (Seq. No. 1, 2, 4-12)
 for Miscellaneous Reliefs noticed on various dates 9/13/19

Notice of Motion - Order to Show Cause - Exhibits and Affidavits Annexed	No(s).
Answering Affidavit and Exhibits	No(s).
Replying Affidavit and Exhibits	No(s).

Upon the foregoing papers, it is ordered that ~~this motion is~~ ^{these motions and} order to show causes, Verified Petition, and related motions are decided in accordance with the annexed memorandum decision.

Motion is Respectfully Referred to Justice:
 Dated: _____

Dated: 2/18/20

Hon. A. Y. Tuitt

J.S.C.

Allison Y. Tuitt, J.S.C.

1. CHECK ONE..... CASE DISPOSED IN ITS ENTIRETY CASE STILL ACTIVE
2. MOTION IS..... GRANTED DENIED GRANTED IN PART OTHER
3. CHECK IF APPROPRIATE..... SETTLE ORDER SUBMIT ORDER SCHEDULE APPEARANCE
- FIDUCIARY APPOINTMENT REFEREE APPOINTMENT

C

NEW YORK SUPREME COURT-----COUNTY OF BRONX

PART IA - 5

In the Matter of a Proceeding under Article 70 of the CPLR for a Writ of Habeas Corpus and Order to Show Cause,

INDEX NUMBER: 260441/2019

THE NONHUMAN RIGHTS PROJECT, INC.,
on behalf of HAPPY,

Petitioner,

-against-

JAMES J. BREHENY, in his official capacity as Executive Vice President and General Director of Zoos and Aquariums of the Wildlife Conservation Society and Director of the Bronx Zoo and WILDLIFE CONSERVATION SOCIETY,

Present:
HON. ALISON Y. TUITT
Justice

Respondents.

On Calendar of 1/6/2020

The following papers, numbered as follows:

Read on these:

<u>Order to Show Cause, Verified Petition, related papers</u>	<u>1-14</u>
<u>Order to Show Cause with Temporary Restraining Order</u>	<u>15</u>
<u>Motion to Dismiss or Change Venue, related papers</u>	<u>16-21</u>
<u>Motion for a Protective Order, related papers</u>	<u>22-26</u>
<u>Motion for Leave to File Late Papers</u>	<u>27</u>
<u>Motion for Preliminary Injunction, related papers</u>	<u>28-32</u>
<u>Motion to Strike Respondents' Verified Answer, related papers</u>	<u>33-38</u>
<u>Motion for an Order Granting Amici Leave to File an Amicus Curiae Brief</u>	<u>39-46</u>

Upon the foregoing papers, the Order to Show Cause and Verified Petition for Writ of Habeas Corpus and Respondent's motion to dismiss the Petition are consolidated for purposes of this decision. For the reasons set forth herein, the motion to dismiss the Petition is granted and the Petition is dismissed. The remainder of the related motions are denied as moot.

Procedural History

This is a habeas corpus proceeding brought by Petitioner, the NhRP on behalf of Happy, a 48 year old Asian elephant situated in the Bronx Zoo, New York. Petitioner commenced the proceeding on October 2, 2018 in Supreme Court, Orleans County by filing a Verified Petition or a Common Law Writ of Habeas Corpus and Order to Show Cause pursuant to CPLR Article 70 on behalf of Happy. The NhRP alleges that Happy is being unlawfully imprisoned in the Bronx Zoo and demands her immediate release to an appropriate elephant sanctuary of which there are two in the United States, both which have agreed to provide lifetime care at no cost to the Bronx Zoo. In lieu of serving an answer to the Petition, the Bronx Zoo moved to change the venue of these proceedings from Orleans County to Bronx County or, in the alternative, to dismiss the proceedings with prejudice. On January 18, 2019, the Orleans County Court granted the branch of the motion to change venue, and the matter was transferred to Bronx County. The parties brought several other motions that were not decided by the Orleans County Court, and were transferred to this Court. Among the motions that the NhRP filed in Orleans County was a preliminary injunction requesting that the Orleans County Court enjoin the Bronx Zoo from removing Happy from the State of New York pending the outcome of this proceeding. Respondents' moved to dismiss the Petition on the grounds that controlling New York law holds that habeas corpus protection under CPLR Article 70 should not be extended to animals as the NhRP fails to cite any legal precedent applicable in the State of New York to support its position. Additionally, the NhRP brought motions to strike Respondents' opposition to Petitioner's proposed Order to Show Cause, to allow the filing of late reply papers, and, for a protective order. There was also a motion of *Amici* to File Brief *Amicus Curiae*. This Court heard oral arguments on these proceedings on August 12, 2019, September 23, 2019, October 21, 2019 and January 6, 2020.

The NhRP seeks the issuance of the Writ of Habeas Corpus and Order to Show Cause demanding that Respondents demonstrate forthwith the basis of their imprisonment of Happy; upon a determination that

Happy is being unlawfully imprisoned, an Order directing her immediate release from the Respondents' custody to an appropriate sanctuary; and, an award for the NhRP for the costs and disbursements of this action.

The Parties

The NhRP is a not-for-profit corporation, a civil rights organization dedicated to changing “the common law status of at least some nonhuman animals from mere ‘things,’ which lack the capacity to possess any legal rights, to ‘persons,’ who possess such fundamental rights as bodily integrity and bodily liberty, and those other legal rights to which evolving standards of morality, scientific discovery, and human experience entitle them.” <https://www.nonhumanrights.org/who-we-are/>. For the past 20 years, the NhRP has worked to change the status of such nonhuman animals as chimpanzees and elephants from legal things to legal persons. The NhRP has filed similar cases in several other New York Courts with the goal of obtaining legal rights for chimpanzees, elephants, and ultimately for other animals.

Respondent the Wildlife Conservation Society (“WCS”) is a not-for-profit corporation, headquartered at the Bronx Zoo, whose mission statement is to save wildlife and wild places worldwide through science, conservation action, education and inspiring people to value nature. Opened in 1899, the Bronx Zoo, a WCS park, cares for thousands of endangered or threatened animals and provides experiences to visitors that may spark a lifelong passion to protect animals and their natural habitats. WCS manages the Bronx Zoo along with other New York City wildlife parks and zoos. Respondent James Breheny is WCS’ Executive Vice President and General Director of Zoos and Aquariums, and is the Director of the Bronx Zoo.

Happy the Elephant

Happy is a 48 year old female Asian elephant who was captured in the wild and brought to the United States when she was one year old. In 1977, Happy and another elephant named Grumpy arrived at the Bronx Zoo. There, in addition to being on display, Happy gave rides and participated in “elephant extravaganzas”. For the next 25 years, Happy and Grumpy lived together. The Bronx Zoo had other elephants, and they were kept two by two. In 2002, the Bronx Zoo paired Happy and Grumpy with two other elephants, Patty and Maxine in the same elephant exhibit. Patty and Maxine attacked Grumpy who tumbled and fell, and was seriously injured. Grumpy never recovered from her injuries and was euthanized. Thereafter, the Bronx

Zoo separated Happy from them, and introduced a younger female Asian elephant named Sammie into her portion of the exhibit. Sammie suffered from severe liver disease and was euthanized in 2006. The Bronx Zoo announced after the death of Sammie that it would not acquire any new elephants. Since 2006, Happy has been living alone at the Bronx Zoo. The NhRP argues, in essence, that Happy has been imprisoned in solitary confinement, notwithstanding the uncontroverted scientific evidence that Happy is an autonomous, intelligent being with advanced cognitive abilities akin to human beings.

The NhRP's arguments

The NhRP brings the instant proceeding alleging that Happy is being unlawfully imprisoned by Respondents in the Bronx Zoo. Happy has been living alone in an one-acre enclosure within the Bronx Zoo since Sammie's death in 2006. The NhRP argues that Happy has been, and continues to be, denied direct social contact with any other elephants, and spends most of her time indoors in a large holding facility lined with elephant cages, which are about twice the length of the animals' bodies. The NhRP argues that whether Respondents are in violation of any federal, state or local animal welfare laws in their detention of Happy is irrelevant as to whether or not the detention is lawful. The NhRP further contends that this habeas corpus case is neither an animal protection, nor animal welfare case. The Petition does not allege that Happy is illegally confined because she is kept in unsuitable conditions, nor does it seek improved welfare for Happy. Rather, this Petition seeks that this Court recognize Happy's alleged common law right to bodily liberty, and order her immediate release from Respondents' current and continued alleged unlawful detention so that her liberty and autonomy may be realized. NhRP argues that it is the fact that Happy is imprisoned at all, rather than her conditions of her imprisonment, that is unlawful.

The NhRP seeks Happy's immediate release from her imprisonment to a permanent elephant sanctuary, two of which have agreed to take Happy: the Professional Animal Welfare Society ("PAWS") in California, and The Elephant Sanctuary in Tennessee. In support of its application, the NhRP submits expert scientific affidavits from five of the world's most renowned experts on the cognitive abilities of elephants: the affidavit of Joyce Pool; the supplemental affidavit of Joyce Pool; the joint affidavit of Lucy Bates and Richard W. Byrne; the affidavit of Karen McComb; and, the affidavit of Cynthia J. Moss. The NhRP also submits the affidavit from an expert in the care and rehabilitation of captive elephants in sanctuary. In his affidavit, Ed

Stewart, President and Co-Founder of PAWS, states that PAWS has agreed to provide permanent sanctuary to Happy should she be released.

The NhRP submits its expert affidavits which demonstrate that Happy possesses complex cognitive abilities sufficient for common law personhood and the common law right to bodily liberty. These include: autonomy; empathy; self-awareness; self-determination; theory of mind (awareness that others have minds); insight; working memory; an extensive long-term memory that allows them to accumulate social knowledge; the ability to act intentionally and in a goal-oriented manner, and to detect animacy and goal directedness in others; to understand the physical competence and emotional state of others; imitate, including vocal imitation; point and understand pointing; engage in true teaching (taking the pupil's lack of knowledge into account and actively showing them what to do); cooperate and build coalitions; cooperative problem-solving, innovative problem-solving, and behavioral flexibility; understand causation; intentional communication, including vocalizations to share knowledge and information with others in a manner similar to humans; ostensive behavior that emphasizes the importance of particular communication; wide variety of gestures, signals and postures; use of specific calls and gestures to plan and discuss a course of action, adjust their plan according to their assessment of risk, and execute the plan in a coordinated manner; complex learning and categorization abilities; and, an awareness of and response to death, including grieving behaviors.

The NhRP's experts state that African and Asian elephants share numerous complex cognitive abilities with humans, such as self-awareness, empathy, awareness of death, intentional communication, learning, memory, and categorization abilities. Each is a component of autonomy. The experts opine that African and Asian elephants are autonomous, as they exhibit self-determination behavior that is based on a freedom of choice. As a psychological concept, it implies that the individual is directing their behavior based on some non-observable, internal cognitive process, rather than simply responding reflexively. Physical similarities between human and elephant brains occur in areas that link to the capacities necessary for autonomy and self-awareness. The NhRP further alleges that Happy is the first elephant to pass the mirror self-recognition-test ("MSR"), considered to be an indicator of an animal's self-awareness and is thought to correlate with higher forms of empathy and altruistic behavior. As do humans, Asian elephants exhibit MSR, which is the ability to recognize a reflection in the mirror as oneself, while the mark test involves surreptitiously placing a colored mark on an individual's forehead that she cannot see or be aware of without the aid of a mirror. If the individual

uses the mirror to investigate the mark, the individual must recognize the reflection of herself. The NhRP experts argue that MSR is significant because it is a key identifier of self-awareness, which is intimately related to autobiographical memory in humans and is central to autonomy and being able to direct one's own behavior to achieve personal goals and desires. By demonstrating they can recognize themselves in a mirror, the experts claim that elephants must be holding a mental representation of themselves from another perspective, and thus must be aware that they are a separate entity from others.

Both chimpanzees and elephants demonstrate an awareness of death by reacting to dead family or group members. Having a mental representation of the self, which is a pre-requisite for MSR, likely confers an ability to comprehend death. Wild African elephants have been observed using their tusks, trunk or feet to attempt to lift sick, dying or dead elephants. Although they do not give up trying to lift or elicit movement from a dead body immediately, elephants appear to realize that once dead, the carcass can no longer be helped; and instead, they engage in more "mournful" or "grief stricken" behavior, such as standing guard over the body with a dejected demeanor and protecting it from predators. They have been observed covering the bodies of their dead with dirt and vegetation. Mothers who lose a calf may remain with the calf's body for an extended period, but do not behave towards the body as they would a live calf. The general demeanor of elephants attending to a dead elephant is one of grief and compassion, with slow movements and few vocalizations. These behaviors are akin to human responses to the death of a close relative or friend, and demonstrate that elephants possess some understanding of life and the permanence of death. Elephants frequently display empathy in the form of protection, comfort and consolation, as well as by actively helping those in difficulty, assisting injured ones to stand and walk, or helping calves out of rivers or ditches with steep banks. In an analysis of behavioral data collected from wild African elephants over a 40 year continuous field study, the experts concluded that as well as possessing their own intentions, elephants can diagnose animacy and goal directedness in others, understand physical competence and emotional state of others, and attribute goals and mental states to other.

The Bronx/WCS' arguments

Respondents move to dismiss the Petition on the grounds that the NhRP, to no avail, has previously prosecuted several unsuccessful lawsuits on behalf of chimpanzees. Controlling New York precedent provides that animals are not entitled to habeas corpus protection under CPLR Article 70. Respondents argue

that contrary to the NhRP allegations, Happy is not unlawfully imprisoned at the Bronx Zoo. The AZA Standards for Elephant Management and Care and the Animal Welfare Act are the two primary standards for the care and management of elephants in AZA-accredited institutions in the United States. Respondents argue that the Bronx Zoo's compliance with these standards ensures that Happy is provided with excellent care focused on her well-being. The AZA Standards require that "[o]utdoor habitats must provide sufficient space and environmental complexity to both allow for and stimulate natural behavioral activities and social interactions resulting in healthy and well-adapted elephants." The Standards include requirements for variation in an elephant's environment including varied terrain to allow for exercise and "foraging, wallowing, bathing, digging, and resting." "While outdoors and weather permitting, elephants must have regular access to water sources, such as a [sic] pools, waterfalls, misters/sprinklers, or wallows that provide enrichment and allow the elephants to cool and/or bathe themselves." Additional standards are included for subjects such as elephant diet, exercise, medical management, foot care, and skin care. Daily behavioral assessments of elephants must be conducted and recorded in a daily log. Elephant care professionals, managers, and directors who work for the Bronx Zoo are also required to complete AZA's Principles of Elephant Management courses. To remain an AZA-accredited zoo, the Bronx Zoo submits annual reports regarding its elephant program, and is regularly inspected by AZA representatives and individuals from peer institutions. An elephant specialist is included in every AZA accreditation inspection of the Bronx Zoo. On April 27, 2018, in response to the Bronx Zoo's most recent report, the AZA confirmed that the Bronx Zoo is in compliance with the AZA Standards for elephants.

In addition, the Bronx Zoo is regulated under the Animal Welfare Act and Animal Welfare Regulations. Although the Animal Welfare Act does not contain any elephant-specific requirements, the Act's standards and regulations ensure that animals receive humane care and treatment at regulated facilities. Among its requirements, the Animal Welfare Act requires the Bronx Zoo to employ an attending veterinarian who shall provide adequate care, and maintain compliance with standards for "the humane handling, care, treatment, housing, and transportation of animals. Compliance with the Animal Welfare Act is overseen by the U.S. Department of Agriculture ("USDA") Animal Care. USDA inspectors make routine, unannounced inspections of facilities like the Bronx Zoo at least once a year. Respondents argue that Happy's living conditions are therefore not "unlawful" according to applicable standards.

Happy's routine care program incorporates the AZA Standards and requirements under the

Animal Welfare Act. On a daily basis, Happy's appetite, food intake, stool appearance and quantity, overall activity, and responsiveness to keepers are monitored. Happy also receives baths on a daily basis. Everyday Happy's keepers assess her body condition, provide her with various forms of enrichment that encourage mental and physical stimulation, and engage in positive reinforcement training sessions that help to maintain behaviors used to facilitate Happy's care. On a regular basis, the Bronx Zoo conducts voluntary blood draws and trunk washes, as well as weigh-ins to monitor Happy's health. Weather permitting, Happy has regular, year-round access to a large, naturalistic outdoor exhibit in which she may go swimming and engage in other species-typical behavior, and also has regular overnight access to a large outdoor space. Patrick Thomas, PhD, Vice President and General Curator of WCS and Associate Director of the Bronx Zoo, states that Happy has developed a familiarity and comfort with her keepers, and she recognizes her surroundings as her familiar, longstanding environment. It is his opinion that suddenly taking her away from this environment and introducing entirely new surroundings without the support of her keepers could inflict long-term damage on Happy's welfare. Mr. Thomas states that Happy has also shown in past experiences that she does not respond well to even temporary, short moves within the Bronx Zoo. He believes that transporting Happy the long distance from the Bronx Zoo across the country to the sanctuary in California would cause severe stress and potentially inflict long-term physical harm. Based on his 40 years of experience and responsibilities in supervising the care of animals at the Bronx Zoo, including Happy, to the best of his knowledge, Mr. Thomas opines that Happy is currently healthy and well-adapted to her surrounding in the Bronx Zoo.

Paul P. Calle, WCS's Vice President for Health Programs, Chief Veterinarian and Director of the Zoological Health Program based at the Bronx Zoo, states that the Bronx Zoo undertakes a multitude of efforts to ensure Happy's continued physical and psychological well-being and health. Happy is given visual checks by the care staff several times each day and, on occasion when an issue is identified, the veterinary staff responds appropriately to any concern that is noted. The veterinary staff conducts regular health assessments of Happy through body condition evaluations, oral, dental and foot examinations. Baseline toe x-rays of Happy's feet were completed, and are repeated for comparative analysis, on an as-needed basis to address particular areas of concern as they arise. Veterinary staff are consulted by keepers regarding nail and pad conditions, with veterinary participation in trims, evaluations, or treatments as necessary. Veterinary staff participate in development and maintenance of medical behaviors (trunk wash, oral/dental evaluation, blood sampling, foot

work, presentation for injections or x-rays) in conjunction with Happy's animal keeper staff. Happy's health care is recorded and documented in her individual medical record, and documented in the Bronx Zoo's annual AZA Elephant Program Annual Report. Mr. Calle states that based upon his responsibilities in providing veterinary care for almost 30 years to animals at the Bronx Zoo, including Happy, and to the best of his knowledge, Happy is currently healthy and well-adapted to her present surroundings. During his experience with Happy, she has become very distressed during short moves from one area of the Zoo to another. Mr. Calle opines that given Happy's age and longstanding familiarity and attachment to her surroundings, a long-distance move, such as that proposed by the NhRP to California, would cause substantial stress to Happy. Imposing this move on Happy would create a serious risk to her long-term health that Mr. Calle does not believe is justified. In his professional opinion, Happy's health and well-being would not be best served by moving her to an animal sanctuary such as the facility operated by the PAWS Sanctuary.

James J. Breheny, Director of WCS, argues that the NhRP's expert affidavits provide little to no relevant information regarding whether Happy is "unlawfully imprisoned" at the Bronx Zoo. In substance, the affidavits are almost verbatim duplicates of each other and barely address Happy. The affidavits the NhRP relies upon only provide generalized, anecdotal discussions of African and Asian elephants as observed in the wild. Mr. Breheny argues that the affidavits posit that elephants are generally better suited to the company of other elephants, without accounting for the particular needs, wants, and temperament of any one elephant. None of the expert affidavits submitted in support of the NhRP's Petition make any reference to Happy, her current state of well-being, or her needs as a 48 year old Asian elephant who has lived for over 40 years at the Bronx Zoo. Mr. Breheny argues that elephants who have lived at zoos for long periods of time are significantly different from elephants in the wild, and the characteristics of one cannot generally be attributed to the other, therefore, the NhRP's supporting expert affidavits have limited applicability to Happy and her specific needs. In contrast, the Bronx Zoo employees, including Mr. Breheny himself, have been caring for Happy's interest and well-being, knowing her individually for over 40 years.

The Bronx Zoo has significant resources for the care and well-being of Happy, including a large number of highly trained and experienced staff that provides excellent care and medical attention for Happy, as well as the sustained financial resources of a major institution. Happy also has longstanding relationships and familiarity with her caregivers and surroundings at the Bronx Zoo, where she has lived for nearly all of her life.

Mr. Breheny alleges that the NhRP does not take into consideration Happy's unique characteristics, personality and needs. For example, there is Happy's history of not interacting well with other elephants at the Bronx Zoo, which is why she is housed separately since her companion died. The NhRP also fails to consider that Happy may not socialize well with the elephants in the sanctuary due to her alleged acrimonious behavior. Based upon past experiences with Happy, the Bronx Zoo knows that she becomes particularly distressed by even short moves within the Zoo. Based upon his expertise and decades-long experience with Happy, Mr. Breheny states his professional opinion that Happy's interest would not be best served by moving her to an animal sanctuary.

The NhRP Counter-Arguments

In response, the NhRP argues that the Bronx Zoo imprisons Happy in a tiny, cold, lonely, "un-elephant-friendly", an unnatural place that ignores her autonomy as well as her social, emotional, and bodily liberty needs, while daily inflicting further injury upon her that would be remedied by transferring her to any American elephant sanctuary. They argue that the Bronx Zoo's unlawful imprisonment of Happy, an autonomous, extraordinarily cognitively-complex being, violates her common law right to bodily liberty. The NhRP has placed before the Court five deeply educated, independent, expert opinions, all firmly grounded in decades of education, observation, and experience, by some of the most prominent elephant scientists in the world. In great detail, these opinions carefully demonstrate that elephants are autonomous beings possessed of extraordinarily cognitively complex minds. The NhRP specifically demands that this Court determine that Happy possesses the common law right to bodily liberty and immediate release from her unlawful imprisonment so that her autonomy may be realized. The NhRP argues that the notion that living on a 2,300 acre sanctuary, such as PAWS is comparable to being imprisoned in the Bronx Zoo's approximately one acre elephant exhibit is absurd. The NhRP contends that the purported experts on behalf of the Bronx Zoo have not published or submitted for publication any peer-reviewed articles about elephants, nor have they studied or examined any elephants in the wild or in any other zoo. Similarly, none of the Bronx Zoo's affiants present any evidence that they have studied any wild elephant, or know about an elephant's basic social, emotional, behavioral, liberty, and autonomy needs, whether captive or wild.

The NhRP also takes issue with Mr. Calle's statement that to the best of his knowledge, Happy is currently healthy and well-adapted to her present surroundings. Mr. Calle fails to properly address the very

small space available to Happy at the Bronx Zoo. There are three possible locations for elephants at the Zoo: an indoor “holding area” or elephant barn; a barren cemented walled outdoor elephant yard that appears to be 0.05 of an acre; and, a Zoo exhibit, listed as being only 1.15 acres. Since the Bronx Zoo elephants are incompatible, the naturalistic exhibit area has to be shared on a rotational basis. At night, Happy is usually in a small pen in the barn or in the barren outdoor yard. During most days, weather permitting, she is also in the barren outdoor elephant yard. Dr. Poole notes that it is difficult for members of the public to obtain much information about Happy’s behavior other than viewing short videos of her captured by visitors to the Zoo. Dr. Poole states that in these videos, Happy is engaged in only five activities/behavior: standing facing the fence/gate; dusting, swinging her trunk in stereotypical behavior; standing with one or two legs lifted off the ground, either to take weight off painful, diseased feet or again engaging in stereotypic behavior; and once, eating grass. According to Dr. Poole, only two of these activities are natural, dusting and eating grass, and being alone in a small place, there is little else for her to do.

Dr. Poole found that Happy has no general problem getting along with other elephants, and opines that Happy is not anti-social, per se, but the historical information indicates that Happy was once attacked by Maxine and Patty and there was a risk that it could happen again. The NhRP argues that in the 40 years that she has been at the Bronx Zoo, Happy has only been given a choice of four companions, with whom she was forced to share a space that for an elephant is the equivalent of the size of a house. Two of these companions she liked and lost, and the other two attacked her. Dr. Poole opines that this is a confirmation of the Bronx Zoo’s inability to meet Happy’s basic needs. Moreover, Dr. Poole notes that the claims that Happy does not do well with change; that she will not survive the transport; that a transfer to a sanctuary will be too stressful; that she does not know how to socialize; and, that her unique personality is problematic, have often been disproven. Dr. Poole states that elephants with serious physical or psychological problems in zoos have usually become more normal functioning elephants when given more appropriate space in a sanctuary such as PAWS. Dr. Poole then provides examples of elephants similar to Happy who, when moved from a zoo to a sanctuary, almost immediately blossomed into happy, successful, autonomous, and socially and emotionally fulfilled beings. Dr. Poole opines that such space permits autonomy and allows elephants to develop healthy social relationships and to engage in a near natural movement, foraging, and repertoire of behavior.

The Law

New York Courts have addressed the question of “personhood” with respect to chimpanzees. The NhRP has brought four identical, separate habeas corpus proceedings on behalf of “imprisoned chimpanzees” in four different counties, each within a different department of the Supreme Court, Appellate Division. The NhRP argued that chimpanzees are entitled to habeas corpus relief as their human-like characteristics render them “persons”. In each case, the trial court declined habeas corpus relief for the chimpanzees, and the NhRP appealed each decision. On appeal, all four Departments of the Appellate Division affirmed the decisions of the trial courts to decline habeas corpus relief.

The NhRP has standing to file the Petition for habeas corpus on behalf of Happy. Pursuant to CPLR 7002(a), a petition may be brought by “[a] person illegally imprisoned or otherwise restrained in his liberty within the state, or one acting on his behalf..., may petition without notice for a writ of habeas corpus...”. “As the statute places no restriction on who may bring a petition for habeas on behalf of the person restrained, ... petitioner [NhRP] has met its burden of demonstrating that it has standing.” The Nonhuman Rights Project, Inc. v. Stanley Jr. M.D., 2015 WL 1804007 (N.Y. Sup. Ct. 2015), amended in part, The Nonhuman Rights Project, Inc. v. Stanley, 2015 WL 1812988 (N.Y. Sup. 2015). Indeed, in the six habeas corpus cases that the NhRP has filed on behalf of chimpanzees in New York, the Courts found that NhRP had standing. See, Id.; People ex rel Nonhuman Rights Project Inc. v. Lavery, 998 N.Y.S.2d 248 (3d Dept. 2014); Nonhuman Rights Project, Inc. ex rel Kiko v. Presti, 999 N.Y.S.2d 652 (4th Dept. 2015); Nonhuman Rights Project, Inc. ex rel. Tommy v. Lavery, 54 N.Y.S.3d 392 (1st Dept. 2017), leave to appeal den., 31 N.Y.3d 1054 (2018); Nonhuman Rights Project on Behalf of Tommy v. Lavery, 31 N.Y.3d 1054 (2018); Nonhuman on Behalf of Tommy v. Lavery, 31 N.Y.3d 1065 (2018). Thus, this Court finds that the NhRP has standing to bring the habeas corpus proceeding on behalf of Happy.

However, on the question of whether an animal may be a “person”, the Courts have held that animals are not “persons” entitled to rights and protections afforded by the writ of habeas corpus. In People ex rel. Nonhuman Rights Project, Inc. v. Lavery, 998 N.Y.S.2d 248 (3d Dept. 2014), the appeal presented the novel question of whether a chimpanzee is a “person” entitled to the rights and protections afforded by the writ of habeas corpus. In Lavery, like here, the NhRP did not allege that respondents were in violation of any state or federal statutes respecting the domestic possession of wild animals. Instead it argued that a chimpanzee is a

“person” entitled to fundamental rights.

According to petitioner, while respondents are in compliance with state and federal statutes, the statutes themselves are inappropriate. Yet, rather than challenging any such statutes, petitioner requests that this Court enlarge the common-law definition of “person” in order to afford legal rights to an animal. We decline to do so, and conclude that a chimpanzee is not a “person” entitled to the rights and protections afforded by the writ of habeas corpus. Id. at 249

* * *

Not surprisingly, animals have never been considered persons for the purposes of habeas corpus relief, nor have they been explicitly considered as persons or entities capable of asserting rights for the purpose of state or federal law... Petitioner does not cite any precedent—and there appears to be none—in state law, or under English common law, that an animal could be considered a “person” for the purposes of common-law habeas corpus relief. In fact, habeas corpus relief has never been provided to any nonhuman entity. Id. at 249-250

* * *

Needless to say, unlike human beings, chimpanzees cannot bear any legal duties, submit to societal responsibilities or be held legally accountable for their actions. In our view, it is this incapability to bear any legal responsibilities and societal duties that renders it inappropriate to confer upon chimpanzees the legal rights—such as the fundamental right to liberty protected by the writ of habeas corpus—that have been afforded to human beings. Id. at 251

(Internal citations omitted).

In The Nonhuman Rights Project, Inc. ex rel. Hercules and Leo v. Stanley, 16 N.Y.S.3d 898 (N.Y. Sup. Ct. 2015), the NhRP brought an Article 70 proceeding under the common law for a writ of habeas corpus, on behalf of Hercules and Leo, two chimpanzees in the custody of respondent State University of New York at Stony Brook, seeking an Order directing their release and transfer to a sanctuary in Florida. The conditions under which Hercules and Leo were confined were not challenged by NhRP and it did not allege that respondents are violating any laws. While the Court was extremely sympathetic to the plight of the NhRP, on behalf of Hercules and Leo, it nonetheless held that given the Third Department precedent to which it is bound, the chimpanzees are not “persons” entitled to rights and protections afforded by the writ of habeas corpus, and the petition was denied, and the proceeding was dismissed.

In Nonhuman Rights Project, Inc., ex rel. Kiko v. Presti, 999 N.Y.S.2d 652 (4th Dept. 2015), *lv. denied* 26 N.Y.3d 901 (2015), the NhRP sought a writ of habeas corpus on behalf of another chimpanzee, Kiko, arguing that he was illegally confined because he was kept in unsuitable conditions, and sought to have him

placed in a sanctuary. The Court did not address the question of whether a chimpanzee was deemed a person for habeas corpus purposes, or whether the NhRP had standing to seek habeas corpus on the chimpanzee's behalf. The Fourth Department affirmed the dismissal of the petition, holding that habeas corpus did not lie where the NhRP sought only to change the conditions of confinement rather than the confinement itself. In this matter, the NhRP sought to transfer Kiko to a different facility, a sanctuary, that it deemed more appropriate. The Court held that even if a chimpanzee was deemed a person for habeas corpus purposes, and even if the NhRP had standing to seek habeas corpus relief on Kiko's behalf, habeas corpus did not lie as it is well-settled that habeas corpus relief must be denied where the subject of the petition is not entitled to immediate release. Since the NhRP did not seek the immediate release of Kiko, but sought to transfer him to a sanctuary, habeas corpus does not lie. Here, the trial court declined to sign the order to show cause seeking habeas corpus relief, and the Fourth Department affirmed.

While petitioner's cited studies attest to the intelligence and social capabilities of chimpanzees, petitioner does not cite any sources indicating that the United States or New York Constitutions were intended to protect nonhuman animals' rights to liberty, or that the Legislature intended the term "person" in CPLR article 70 to expand the availability of habeas protection beyond humans. No precedent exists, under New York law, or English common law, for a finding that a chimpanzee could be considered a "person" and entitled to habeas relief. In fact, habeas relief has never been found applicable to any animal. Id. at 395-396.

The asserted cognitive and linguistic capabilities of chimpanzees do not translate to a chimpanzee's capacity or ability, like humans, to bear legal duties, or to be held legally accountable for their actions. Petitioner does not suggest that any chimpanzee charged with a crime in New York could be deemed fit to proceed, i.e., to have the "capacity to understand the proceedings against him or to assist in his own defense". Id. at 396.

* * *

Petitioner argues that the ability to acknowledge a legal duty or legal responsibility should not be determinative of entitlement to habeas relief, since, for example, infants cannot comprehend that they owe duties or responsibilities and a comatose person lacks sentience, yet both have legal rights. This argument ignores the fact that these are still human beings, members of the human community. Id.

Even assuming, however, that habeas relief is potentially available to chimpanzees, the common-law writ of habeas corpus does not lie on behalf of the two chimpanzees at issue in these proceedings. Petitioner does not seek the immediate production of Kiko and Tommy to the court or their placement in a temporary home, since petitioner contends that "there are no

adequate facilities to house [them] in proximity to the [c]ourt.” Instead, petitioner requests that respondents be ordered to show “why [the chimpanzees] should not be discharged, and thereafter, [the court] make a determination that [their] detention is unlawful and order [their] immediate release to an appropriate primate sanctuary... Since petitioner does not challenge the legality of the chimpanzees' detention, but merely seeks their transfer to a different facility, habeas relief was properly denied by the motion court. Id. at 397.

(Internal citations omitted).

In Nonhuman Rights Project, Inc. ex rel. Tommy v. Lavery, 54 N.Y.S.3d 392 (1st Dept. 2017), lv denied 31 N.Y.3d 1054 (2018), the NhRP filed two petitions for habeas corpus on behalf of two chimpanzees, Tommy and Kiko. Supreme Court declined to extend habeas corpus relief to the chimpanzees. The NhRP appealed and the Appellate Division, First Department affirmed, holding that the human-like characteristics of chimpanzees did not render them “persons” for purposes of habeas corpus relief. The Court noted that any position to the contrary is without legal support or legal precedent. The asserted cognitive and linguistic capabilities of chimpanzees did not translate to a chimpanzee’s capacity or ability, like humans, to bear legal duties, or to be held legally accountable for their actions. The Court further held that even if habeas corpus was potentially available to chimpanzees, writ of habeas corpus did not lie on behalf of the chimpanzees where the NhRP did not challenge the legality of the detention, but merely sought their transfer to a different and more appropriate facility.

Analysis

Regrettably, in the instant matter, this Court is bound by the legal precedent set by the Appellate Division when it held that animals are not “persons” entitled to rights and protections afforded by the writ of habeas corpus. Lavery, 54 N.Y.S.3d at 392. The First and Fourth Departments did not address the question of personhood for chimpanzees. For purposes of the decisions, both Appellate Departments noted that even if the NhRP had standing to bring the habeas corpus proceeding, and habeas corpus was potentially available to chimpanzees, the NhRP did not meet its burden for habeas corpus relief because it did not challenge the legality of the chimpanzees' detention, but merely sought transfer of the chimpanzees to sanctuaries. Thus, both Courts assumed, for purposes of the argument, that the NhRP had standing and that habeas corpus was available to the chimpanzee. However, the Third Department squarely addressed the question and held that animals are not “persons” entitled to rights and protections afforded by the writ of habeas corpus.

This Court is extremely sympathetic to Happy's plight and the NhRP's mission on her behalf. It recognizes that Happy is an extraordinary animal with complex cognitive abilities, an intelligent being with advanced analytic abilities akin to human beings. Notwithstanding, in light of the Appellate Division, Third Department's holding that animals are not "persons", this Court is also constrained to find that Happy is not a "person" entitled to the writ of habeas corpus. In Lavery, 31 N.Y.3d 1054 (2018), the NhRP motion for leave to appeal the Third Department decision to the Court of Appeals was denied. However, in a concurring opinion, Justice Fahey noted that the denial of leave to appeal was not a decision on the merits of the NhRP claim. He stated that "[t]he question will have to be addressed eventually. Can a non-human animal be entitled to release from confinement through the writ of habeas corpus? Should such a being be treated as a person or as property, in essence a thing?" Id. at 1057. Justice Fahey further noted that "[t]he issue whether a nonhuman animal has a fundamental right to liberty protected by the writ of habeas corpus is profound and far-reaching. It speaks to our relationship with all the life around us. Ultimately, we will not be able to ignore it. While it may be arguable that a chimpanzee is not a 'person,' there is no doubt that it is not merely a thing." Id. at 1059.

Conclusion

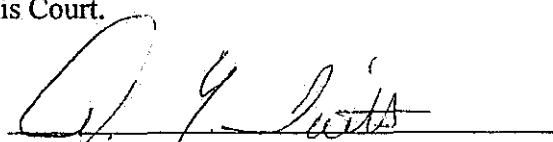
This Court agrees that Happy is more than just a legal thing, or property. She is an intelligent, autonomous being who should be treated with respect and dignity, and who may be entitled to liberty. Nonetheless, we are constrained by the caselaw to find that Happy is not a "person" and is not being illegally imprisoned. As stated by the First Department in Lavery, 54 N.Y.S.3d at 397, "the according of any fundamental legal rights to animals, including entitlement to habeas relief, is an issue better suited to the legislative process". The arguments advanced by the NhRP are extremely persuasive for transferring Happy from her solitary, lonely one-acre exhibit at the Bronx Zoo, to an elephant sanctuary on a 2300 acre lot. Nevertheless, in order to do so, this Court would have to find that Happy is a "person" and, as already stated, we are bound by this State's legal precedent.

Accordingly, Respondents' motion to dismiss the Petition is granted and the Petition is dismissed. The remainder of the motions are denied as academic or moot.

This constitutes the decision and Order of this Court.

Dated:

February 18, 2020



Hon. Alison Y. Tuitt

GZJ KDKV'4''

SUPREME COURT OF THE STATE OF NEW YORK
COUNTY OF BRONX

In the Matter of a Proceeding under Article 70 of the CPLR
for a Writ of Habeas Corpus and Order to Show Cause,

**Index No.: 260441/2019
(Bronx County)**

THE NONHUMAN RIGHTS PROJECT, INC., on behalf
of HAPPY,

NOTICE OF APPEAL

Petitioner,

Hon. Justice Alison Y. Tuitt
Justice Supreme Court
Bronx County

-against-

JAMES J. BREHENY, in his official capacity as the
Executive Vice President and General Director of Zoos and
Aquariums of the Wildlife Conservation Society and Director
of the Bronx Zoo, and WILDLIFE CONSERVATION
SOCIETY,

Respondents.

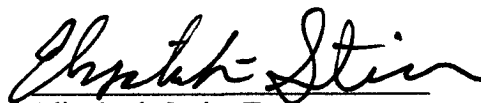
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COUNTY CLERK
BRONX COUNTY

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PLEASE TAKE NOTICE that the Petitioner, The Nonhuman Rights Project, Inc. (“NhRP”), on behalf of an elephant named Happy, hereby appeals to the Appellate Division of the Supreme Court of the State of New York, for the First Judicial Department, from the decision and Order of the Supreme Court of the State of New York, County of Bronx (Hon. Justice Tuitt), dated February 18, 2020 and entered in the office of the Clerk of the County of Bronx on February 19, 2020, which granted Respondents’ motion to dismiss the NhRP’s Verified Petition for a Common Law Writ of Habeas Corpus and Order to Show Cause. Petitioner appeals from each and every part of that decision and Order.

Respectfully submitted,

Dated: 2/25/2020



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CURRICULUM VITAE, abbreviated

This document summarizes a 51-page c.v.

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Indiana University Northwest, Gary, Indiana (part time)	1980
Mundelein College, Chicago, Illinois (part time)	1980
DePaul University, Chicago, Illinois (part time)	1980-81
Oregon State University, Corvallis, Oregon	1989-90
Iowa State University, Ames, Iowa, Assistant Professor	1982-88
Associate Professor	1988-00
Professor	2000-02
North Carolina State University Professor	2002-

Appointments, Honors, and Awards

B. A. with High Honor: Wheaton College	1976
University Fellowship: University of Chicago	1981-82
Junior Fellow: Institute for the Advanced Study of Religion, University of Chicago	1981-82
Center Associate: National Rural Studies Committee, Oregon State University	1988-89
Vice President: Agriculture, Food and Human Values Society	1992-93
President: Agriculture, Food & Human Values Society	1993-94
Member: Center of Theological Inquiry, Princeton, New Jersey	1990-2000
LAS Award for Excellence in Outreach, College of Liberal Arts and Sciences, I.S.U.	1998
Center Associate, Trent Center for Bioethics, Duke University	2003-8
ASC Fellow, National Humanities Center, Research Triangle Park, NC	2007-8
ASC Fellow, National Humanities Center, Research Triangle Park, NC	2008-9
Member, NC State Academy of Outstanding Teachers	2015
Alumni Association Outstanding Teacher Award	2015

Education

Undergraduate: Wheaton College, Wheaton, Illinois
B.A., Religious Studies, English Literature, 1976
Graduate: University of Chicago, Chicago, Illinois
A.M., Divinity, 1977
Ph.D., Religion and Literature, 1983

Publications

Books

Editor, *Is There A Moral Obligation to Save the Family Farm?* (Ames: Iowa State University Press, 1987).

Editor and author of Introduction, John Styles, *The Animal Creation: Its Claims on Our Humanity Stated and Enforced* published in London by T. Ward, 1839 (Lewiston, NY: Edwin Mellen Press, 1997).

Editor, *Life Science Ethics* (Ames: Iowa State University Press, 2002).

“_____,” 2nd ed. (Dordrecht: Springer, 2010).

Vexing Nature? On the Ethical Case against Agricultural Biotechnology (Boston: Kluwer Academic Publishers, 2000).

Editor, *Religious Autobiographies* (Belmont, CA: Wadsworth, 1995).

“_____,” 2nd ed., with C. Wayne Mayhall (2004).

Editorial committee, with Carolyn Bertozzi, John Ahearne, Francisco Ayala, Andrea Bertozzi, David Bishop, Deborah Johnson, Michael Loui, Rebecca Richard-Kortum, Nicholas Steneck, and Michael Zigmund, *On Being a Scientist*, 3rd ed. (Washington, DC: The National Academies Press, 2009).

“_____,” in Japanese (Kyota: Kagaku-Dojin, 2010).

Research Ethics: A Philosophical Guide to the Responsible Conduct of Research (Cambridge: Cambridge University Press, 2013).

Co-editor with Mylan Engel, *The Moral Rights of Animals*, in production at Lexington Books, an imprint of Rowman & Littlefield, forthcoming 2016.

Journals edited

Guest Editor, *Journal of Agricultural and Environmental Ethics*, Vol. 4, No. 2 (December 1991).

Guest Editor, *Journal of Agricultural and Environmental Ethics*, Vol. 7, No. 1 (January 1994).

Guest Editor, *Journal of Agricultural and Environmental Ethics*, Vol. 8, No. 2 (October 1995).

Monograph

Editor, *Is There a Conspiracy Against Family Farmers? Agricultural Economics, Public Policy and Catholic Theology*, USF Monographs in Religion and Public Policy Number 5, Department of Religious Studies, University of South Florida, Tampa, Florida, 1990.

Refereed Articles

"The Yoruba and Religious Change," *The Journal of Religion in Africa* 10 (1979): 1-12.

"On Doing the Sacred Text," *Liturgy* 2 (1982): 25-29.

"Wayne C. Booth, Pluralist," *Religious Studies Review* 10 (July 1984): 252-257.

"Truth or Meaning: Ricoeur versus Frei on Biblical Narrative," *Journal of Religion* 66 (April 1986): 117-140.

"_____", reprinted in *Hervormde Teologiese Studies* 45 (November 1989): 741-766.

"Face to Face With It: The Naive Reader's Moral Response to 'Ivan Illych,'" *Neophilologus* 70 (1986): 321-333.

"Why Christians Should Not Be Allowed to Teach Religion at State Universities," *Quarterly Review* 6 (Fall 1986): 37-53.

"Two Types of Narrative Theology," *Journal of the American Academy of Religion* 55 (Winter 1987): 687-717.

"How Not to Attack Animal Rights from an Environmental Perspective," *Between the Species* 4 (Summer 1988): 177-178.

"The Case Against bGH," in *Agriculture and Human Values* 5 (Summer 1988): 36-52.

"_____", reprinted in Steven Gendel, et. al., eds., *Agricultural Bioethics: Implications of Agricultural Biotechnology* (Ames: Iowa State University Press, 1990), pp. 309-339.

"_____", reprinted in Creighton Peden and John K. Roth, eds., *Rights, Justice and Community* (Lewiston, NY: Edwin Mellen Press, 1992), pp. 65-98.

"Everything Depends on the *Type* of the Concepts that the Interpretation is Made to Convey': Max Kadushin Among the Narrative Theologians," *Modern Theology* 5 (April 1989): 169-191.

"_____", reprinted as "Christian Value Concepts" in Peter Ochs, ed., in *Understanding the Rabbinic Mind: Essays on the Hermeneutic of Max Kadushin* (Atlanta: Scholars Press, 1990), pp. 113-140.

"Is Postmodern Religious Dialogue Possible?" *Faith and Philosophy* 6 (April 1989): 189-197.

"Genetically Engineered Herbicide Resistance, Part One," *Journal of Agricultural Ethics* 2 (1989): 263-306.

"Genetically Engineered Herbicide Resistance, Part Two," *Journal of Agricultural Ethics* 3 (1990): 114-146.

"_____", reprinted in abridged form as "Is Genetically Engineered Herbicide-resistance Compatible with Low-input Sustainable Agriculture?" in June Fessenden MacDonald, ed., *Biotechnology and Sustainable Agriculture: Policy Alternatives*, National Agricultural Biotechnology Council, 211 Boyce Thompson Institute, Ithaca, NY, 1989, pp. 111-123.

"Truth in an Uncalm World," *The Journal of Religion* (1990): 437-446.

"The Rights of Animals and Family Farmers," *Between the Species* 7 (Summer 1991): 153-156.

"The Costs and Benefits of bGH May Not Be Distributed Fairly," *Journal of Agricultural and Environmental Ethics* 4 (1991): 121-130.

"Pigs and Piety: A Theocentric Perspective on Food Animals," *Between the Species* 8 (Summer 1992): 121-135.

"_____", reprinted in Charles Pinches and Jay McDaniel, eds., *Good News for Animals? Christian Approaches to Animal Well-Being* (Orbis Press, 1993), pp. 105-127.

With Jack Dekker: "Ethical and Environmental Considerations in the Release of Herbicide Resistant Crops," *Agriculture and Human Values* 9 (Summer 1992):31-43.

"Should We Genetically Engineer Hogs?" *Between the Species* 8 (Fall 1992): 196-202,

with a response by David Detmer, pp. 203-208.

"_____", reprinted in Therese Leroux and Lyne Letourneau eds., *L'etre humain, l'animal et l'environnement: Dimensions Ethiques et Juridiques* (Montreal: Editions Themis, 1996), pp. 183-194.

"The Moral Irrelevance of Autonomy," *Between the Species* 8 (Winter 1992): 15-27.

"The Truth of Religious Narratives," *International Journal for Philosophy of Religion* 34 (1993):131-150.

"Ethics and Scientific Research," *SRA Journal* 26 (Fall 1994): 33-37.

"Do Agriculturalists Need a New, an Ecocentric, Ethic?" *Agriculture and Human Values* 12 (Winter 1995): 2-16.

"An Extensionist Environmental Ethic," *Biodiversity and Conservation* 4 (1995): 827-837.

"_____", reprinted in N.S. Cooper and R.C.J. Carling, eds., *Ecologists and Ethical Judgements* (London: Chapman & Hall, 1996), pp. 43-53.

"Theism and Environmental Ethics," in Philip Quinn and Charles Taliaferro, eds., *Blackwell Companion to the Philosophy of Religion* (Oxford: Blackwell, 1997), pp. 505-513.

"Agricultural Ethics," in Edward Craig, ed., *Routledge Encyclopedia of Philosophy* (London: Routledge, 1998).

"Comments on Joseph J. Lynch's 'Theodicy and Animals,'" *Between the Species* (1998)

"Research with Transgenic Animals: Obligations and Issues" *The Journal of BioLaw and Business* 2 (Autumn 1998): 51-54. (An earlier version appeared as a discussion paper, "What Obligations Have Scientists to Transgenic Animals?" in the Center for Biotechnology Policy and Ethics Discussion Paper Series, Texas A&M University, College Station, TX, in 1992; and was reprinted in *Ethics and Patenting of Transgenic Organisms*, published by National Agricultural Biotechnology Council, 159 Biotechnology, Cornell University, Ithaca, NY, 1992.

"Religion and American Autobiographical Writing," *Religion and American Culture* 9 (1998): 13-20.

"Is it Unnatural to Genetically Engineer Plants?" *Weed Science* 46 (1998): 647-651.

"_____", revised version translated into Spanish as "Es Antinatural la Manipulacion Genetica de los Animales?" *Proceedings of the Segundo Congreso Caribeno de Bioetica, University of Puerto Rico, Mayaguez, March 1998* (forthcoming).

"The Iowa State University Model Bioethics Institutes," *The Bulletin of Science, Technology, and Society* 19 (August 1999): 323-328.

"Make plans on the hoof," *Times Higher Education Supplement* (London) 22 - 29 December 2000, p. 19.

With Valerie Askren, Raymond Carthy, Carlene Chase, Eldon Franz and Taiwo Oriola, "More Citation Vigilance," letter to the editor, *The Scientist* 2002, 16 (17): 14.

With Jeffrey Burkhardt, Peter Hartel, and Paul Thompson: "Agricultural Ethics," CAST Issue Paper 29 (February 2005), includes reprinting of previously published material.

"Intuitive Level System Rules," *Science and Engineering Ethics* 14 (2008), pp. 575-579.

"The Role of Philosophers in Research Ethics," *Journal of Microbiology and Biology Education* 15, 2 (December 2014), pp. 139-142; the article is an abridgment of the "Introduction" to *Research Ethics: A Philosophical Guide to the Responsible Conduct of Research*.

Chapters in Books

"Telling the Whole Story? American Narrative Theology After H. Richard Niebuhr," in *Religion and Philosophy in the United States*, Peter Freese, ed. (Essen: Verlag die Blaue Eule, 1987), pp. 125-152.

"On Public Perceptions, Ethicists and Biotechnology," in R.B. Batra, ed., *Public Perceptions of Biotechnology*, (Washington: U.S.D.A., A.R.S., 1987), pp. 117-121.

"Is Genetically Engineered Herbicide Resistance Compatible with Low Input Sustainable Agriculture?" in June Fessenden MacDonald, ed., *Biotechnology and Sustainable Agriculture: Policy Alternatives*, National Agricultural Biotechnology Council, 211 Boyce Thompson Institute, Ithaca, NY, 1989, pp. 111-123. Excerpted and reprinted from *Journal of Agricultural Ethics*.

"Discussion (A Response to Lester Thurow)," in *Proceedings of Phase I Workshop*, Neill Schaller, compiler, Social Science Agricultural Agenda Project (Washington, D.C.: U.S.D.A., Economic Research Service, 1987), pp. 219-225.

"_____", reprinted as "Comments on Thurow" in Glenn L. Johnson and James T. Bonnen, eds. *Social Science Agricultural Agendas and Strategies* (East Lansing: Michigan State University Press, 1991): 65-67.

"Moral Arguments for Family Farms," in Comstock, ed., *Is There a Moral Obligation to Save the Family Farm?* (Ames: Iowa State University Press, 1987), pp. 401-421.

"Grandma's Backbone, Dougie's Ankles," in Michael Martone, ed., *A Place of Sense* (Iowa City: University of Iowa Press, 1988), pp. 111-132.

"Is There a Conspiracy Against Family Farmers?" in Comstock, ed., *Is There a Conspiracy Against Family Farmers?* USF Monographs in Religion and Public Policy, University of South Florida, Tampa, Florida, 1990, pp. 3-15.

"Christian Value Concepts," in Peter Ochs, ed., *Understanding the Rabbinic Mind: Essays on the Hermeneutic of Max Kadushin* (Atlanta: Scholars Press, 1990), pp. 113-140.

"Pigs and Piety: A Theocentric Perspective on Food Animals," in Charles Pinches and Jay McDaniel, eds., *Good News for Animals? Christian Approaches to Animal Well-Being* (Orbis Press, 1993), pp. 105-127.

"Transferring Essence," in W. Steven Burke, ed., *Symbol, Substance, and Science: The Societal Issues of Food Biotechnology* (Research Triangle Park, North Carolina: Biotechnology Center 1993), pp. 51-63.

"Some Virtues and Vices of Agricultural Technology," in Peter G. Hartel, ed., *Agricultural Ethics: Issues for the 21st Century* (Madison, WI: ASA-CSSA-SSSA, 1994), pp. 25-32.

"Toward an Evangelical Environmental Ethic," in S. Marianne Postiglione, and Robert Brungs, eds., *Christianity and the Environmental Ethos* (St. Louis: ITEST Faith/Science Press, 1996), pp. 69-85.

"An Alternative Ethic for Animals," in *Livestock, Ethics and Quality of Life*, J. Hodges and I. K. Han, eds. (CAB International, 2000).

“_____,” reprinted in Annette Dula, Shearon Smith, and Marian Gray Secundy, eds., *Veterinary Bioethics in the 21st Century* (Tuskegee, Alabama: National Center for Bioethics in Research and Health Care, 2001), pp. 77-99.

"Ethics and Genetically Modified Foods," SCOPE Research Group (U. California-Berkeley, U. Washington, and American Association for Advancement of Science, July 2001)

“_____,” reprinted in Michael Ruse and David Castle, eds. *Genetically Modified Foods* (NY: Prometheus Books, 2002), pp. 88-107.

“_____,” in Spanish as “¿Acoso a la naturaleza? Sobre los argumentos éticos en contra de las plantas transgénicas,” by Enrique Iáñez, in Iáñez, ed. *Plantas transgénicas: de la Ciencia al Derecho* (Granada: Editorial Comares, 2002), pp. 79-94.

“_____,” reprinted in Cristina Beckert, ed. *Etica Ambiental uma ética para o futuro* (Lisboa: Centro de Filosofia da Universidade de Lisboa, 2003), pp. 13-34.

“_____,” in Portuguese as “A Ética e os Alimentos Geneticamente Modificados,” in Humberto Rosa, ed., *Bioética para as Ciências Naturais* (Lisboa: Fundação Luso-Americana, 2004), pp. 203-234.

“_____,” reprinted in Tom Beauchamp, LeRoy Walters, Jeffrey Kahn, and Anna Mastroianni, eds. *Contemporary Issues in Bioethics*, 7th ed., (Wadsworth/Thomson Learning, 2008), pp. 752-759.

“_____,” in German as “Ethik und genetisch modifizierte Lebensmittel” in Gerhard Wiegand und Andreas Briese, eds., *Ethik in den Lebenswissenschaften* (Münster: Verlag Monsenstein und Vannerdat, 2008).

“_____,” reprinted in David Kaplan, ed., *Readings in the Philosophy of Technology*, 2nd ed. (Lanham, MD: Rowman & Littlefield, 2009), pp. 484-497.

“_____,” reprinted in Franz-Theo Gottwald, Hans Werner Ingensiep, and Marc Meinhardt, eds., *Food Ethics* (New York: Springer, 2010), pp. 49-66.

“_____,” reprinted in David Kaplan, ed., *The Philosophy of Food* (University of California Press, 2012), pp. 122-139.

“_____,” reprinted in David Schmidtz and Elizabeth Willott, eds., *Environmental Ethics: What Really Matters, What Really Works* (Oxford University Press, 2012), pp. 598-609.

“_____,” reprinted in Ronald Sandler, ed., *Ethics and Emerging Technologies* (New York: Palgrave Macmillan, 2013).

With Humberto D. Rosa, “A Ética no Ensino das Ciências Naturais e da Vida: a Experiência do *International Bioethics Institute*,” in Humberto Rosa, ed., *Bioética para as Ciências Naturais* (Lisboa: Fundação Luso-Americana, 2004), pp. 21-36.

“What is Ethics?” ch. 1 in Comstock, ed., *Life Science Ethics* (Ames: Blackwell Publishing, 2002).

“_____,” in German as “Grundlagen der Ethik,” in Gerhard Wiegand und Andreas Briese, eds., *Ethik in den Lebenswissenschaften* (Münster: Verlag Monsenstein und Vannerdat, 2008).

“Ethics and Religion,” ch. 2 in Comstock, ed., *Life Science Ethics* (Ames: Blackwell Publishing, 2002).

“_____,” in Portuguese as “A Ética e a Religião,” in Humberto Rosa, ed., *Bioética para as Ciências Naturais* (Lisboa: Fundação Luso-Americana, 2004), pp. 67-84.

“_____,” in German as "Ethik und genetisch modifizierte Lebensmittel," in Gerhard Wiegand and Andreas Briese, eds., *Ethik in den Lebenswissenschaften* (Münster: Verlag Monsenstein und Vannerdat, 2008).

"Ethics and Science," ch. 4 in Comstock, ed., *Life Science Ethics* (Ames: Blackwell Publishing, 2002).

“_____,” in Portuguese as “A Ética e a Ciência,” in Humberto Rosa, ed., *Bioética para as Ciências Naturais* (Lisbon: FLAD Press, 2004), pp. 85-120.

"Veterinary Euthanasia," with Bernard Rollin, Jerrold Tannenbaum, Courtney Campbell, and Kathleen Moore in Comstock, ed., *Life Science Ethics* (Ames: Blackwell Publishing, 2002).

"Subsistence Hunting," in Steve Sapontzis, ed., *Food for Thought: The Debate over Eating Meat* (Amherst, NY: Prometheus, 2004), pp. 359-370.

"What are the ethical issues surrounding genetic modification of nature?" in William Purves, et al., *Life: The Science of Biology, 7th edition* (Sunderland, MA: Sinauer, 2004), p. 389.

With Humberto Rosa, "International Bioethics Institute: Promoting ethical education for the life and natural sciences," in Johan De Tavernier and Stefan Aerts, eds., *Science, Ethics and Society: 5th Congress of the European Society for Agricultural and Food Ethics, Preprints* (Leuven, Belgium: Katholieke Universiteit, 2004), pp. 121-124.

"The Production of Genetically Engineered Food Is Ethical," in Louise Gerdes, ed., *Genetic Engineering: Opposing Viewpoints* (San Diego: Greenhaven, 2004).

"_____," reprinted in *endnotes.com* (2006).

Joshua Lucas and Gary Comstock, "Do machines have prima facie duties?" in Bibi van den Berg and Laura Klaming, eds., *Technologies on the stand: legal and ethical questions in neuroscience and robotics* (Nijmegen, The Netherlands: Wolf Legal Publishers, 2011), pp. 380-393.

“_____,” reprinted in Simon Peter van Rysewyk and Matthijs Pontier, eds. *Machine medical ethics* (London: Springer, 2015), pp. 79-92.

"Harming Some to Enhance Others," in Simone Bateman, Jean Gayon, Sylvie Allouche, Jerome Goffette, and Michela Marzano, eds., *Inquiring into Animal Enhancement: Model or Countermodel of Human Enhancement?* (New York: Palgrave MacMillan, 2015), pp. 49-78.

Daniele Fanelli, Leiv Sydnese, Howard Ducharme, Merry Bullock, Gary Comstock, Carthage Smith, Immaculada de Melo-Martin, Susan Zimmerman, Mark Frankel, "Societal Considerations as Willingness to Dialogue—A Commentary to Singapore Statement Point N. 14," in Nicholas Steneck, Melissa Anderson, Sabine Kleinert and Tony Mayer, eds. *Integrity in the Global Research Arena* (Singapore: World Scientific, 2015), pp. 269-277.

"LaMettrie's objection: Humans act like animals," in Mylan Engel and Gary Comstock, editors, *The Moral Rights of Animals*, in production at Lexington Books, an imprint of Rowman & Littlefield.

Engel, Jr., Mylan and Gary Comstock, "The Moral Rights of Animals: An Overview of the Book," in Mylan Engel Jr. and Gary Comstock, editors, *The Moral Rights of Animals* (Lexington Books, 2016), pp. xix – xxix.

"Two Views of Animals in Environmental Ethics," David Schmidtz, ed., *Philosophy: Environmental Ethics*. Macmillan Interdisciplinary Handbooks: Philosophy Series. (Farmington Hills, MI: Macmillan Reference USA, 2017), pp. 151-183.

"Concerning Cattle: Behavioral and neuroscientific evidence for pain, desire, and self-consciousness," Anne Barnhill, Mark Budolfson, and Tyler Doggett, eds., *Oxford Handbook of Food Ethics* (Oxford University Press, 2017): 139-169.

"Far-persons," Andrew Woodhall and Gabriel Garmendia da Trindade, eds., *Ethics and Political Approaches to Nonhuman Animal Issues* (Palgrave Macmillan, 2017): 39-71.

"The Cattle in the Long Cedar Springs Draw," to appear in a collection edited by Nandita Batra and Mario Wenning (Lexington Books, forthcoming).

With Bill Bauer, "Getting It Together: Psychological Unity and Deflationary Accounts of Animal Metacognition" *Acta Analytica* (2018), pp. 1-21, 10.1007/s12136-018-0340-0

Peer-reviewed publications on the web

"Are the Policy Implications of the Precautionary Principle Coherent?" (Harvard University, 23 September 2000)

"A Brief for the Royal Commission on Genetic Modification of New Zealand," (Wellington, NZ, 22 November 2000)

Other web publications: 9 not listed (1981-1990)

Book Reviews: 8 not listed (1981-1990)

Dale Jamieson, *Morality's Progress: Essays on Humans, Other Animals, and the Rest of Nature*. In *Philosophical Review* 114:3 (July 2005).

Gary Varner, *Personhood, Ethics, and Animal Cognition: Situating Animals in Hare's Two-Level Utilitarianism* (Oxford: Oxford University Press, 2012). In *Environmental Values* 22:3 (June 2013): 417-420.

Book Notes: 7 not listed (1981-1990)

Fellowships and Grants: 19 not listed (1981-2000: total \$766,589)

- 2001 Project Director, "NABC Bioethics Institute at Iowa State University," National Agricultural Biotechnology Council, \$25,000.
- 2002 Project Director, "FLAD / NSF International Bioethics Institute III," National Science Foundation, \$27,883; FLAD, \$25,000; Portuguese Ministry of Science and Technology \$10,000; and European Union DGXII, \$15,000.
- 2002 Project Director, "NABC Bioethics Institute at University of Wisconsin," National Agricultural Biotechnology Council, \$25,000.
- 2003 Project Director, "Advanced Life Science Ethics Institute," National Science Foundation, \$26,000; and from FLAD, \$12,000.
- 2004 Project Director, "Life Science Ethics Triangle Workshop," Kenan Institute of Engineering, Science, and Technology, \$15,250
- 2005-2010 Principal Investigator, "A Model Curriculum for Land Grant Universities in Research Ethics," National Science Foundation, \$249,393
- 2007-2011 Co-Principal Investigator, "Extending and Assessing Research Ethics Education," National Science Foundation, \$300,000
- 2007-09 Fellow (invited), National Humanities Center, Research Triangle Park, NC, \$100,000
- 2009-2010, Principal Investigator, "*On the Human: Science, Engineering, and Technology in Conversation with the Humanities*," Kenan Institute for Engineering, Technology, and Society," \$24,500.
- 2010-2011, Principal Investigator, "*On the Human: Science, Engineering, and Technology in Conversation with the Humanities*," Kenan Institute for Engineering, Technology, and Society," \$18,000.

Professional Activities

Invited Lectures: 141 not listed (1981-2008)

“Singularity, Superiority,” Osher Lifelong Learning Institute, Duke University, March 13, 2008

“Ethics and Genetically Modified Foods,” Leibnizhaus, Hannover, Germany, Apr 24, 2008

“Life Science Ethics: Future Directions,” University of Seville, Spain, Apr 28, 2008

“Singularity,” Moscow State University, Moscow, Russia, July 7, 2008

“OpenSeminar for Research Ethics for the Humanities,” National Humanities Center 2 Feb 2009

G. M. Bodner and G. Comstock, "Helping students learn what is (and what is not) plagiarism," Symposium on "Plagiarism: What Is It? What Can We Do About?" held at the 237th American Chemical Society National Meeting, Salt Lake City, UT, 22 March, 2009.

“Research Ethics for Food Scientists,” Institute of Food Technologists annual meeting, Anaheim, CA, 7 June 2009.

“Addressing Ethical Apathy and Research Misconduct,” Third International Summer School on Environmental Ethics in Teaching Social Sciences and Humanities,” Moscow State University, Moscow, Russia, July 6, 2009

"Discover, Disseminate: Lessons for human enhancement from the history of animal breeding," Invited lecture at a conference on "Human enhancement: an interdisciplinary inquiry," Université Paris Descartes, March 12-13, 2010.

“Research Ethics,” University of Utah, Department of Nuclear Engineering, Summer School, April 19, 2011

“Feeling Matters,” The Evolution and Function of Consciousness, Summer School, U. of Quebec, Montreal, June 30 - July 8, 2012

“Is Social Responsibility a Requirement of Responsible Conduct of Research?” 3rd World Conference on Research Integrity, Montreal, May 6, 2013

“The Blood of Multitudes,” the Lee Speer Colloquium memorial lecture, Colorado State University, Oct. 18, 2013

“Feelings matter: The role of animals in sustainable communities,” Lecture series in Ethics, Policy, and Science, Purdue University, Oct. 9, 2014

“Animal Science,” Macmillan Handbook on Environmental Ethics Work Group, Tucson, November 13, 2015

Papers Presented: *51 not listed*

Respondent to Papers, Chair of Sessions, Seminars, Panels: *46 not listed*

Professional Associations

American Philosophical Association
Expressive Communication and the Origins of Meaning Research Group,
University of North Carolina-Chapel Hill, affiliated faculty

Editorial and Advisory Work: *33 not listed*

Administration and Service Activities

Iowa State University (1982-2002), North Carolina State University (2002 -)

Departmental: *21 not listed*

College: *28 not listed*

University: *23 not listed*

Community service: *12 not listed*

Advising: *39 undergraduate, 22 graduate, not listed*

Publications, newspaper, radio, TV interviews: *41 not listed*

Media citations: *77 not listed*

GZJ KDKV'6''

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CITIZENSHIP: Canadian

EDUCATION

- PhD Philosophy (2006), University of Western Ontario, London, Canada
- MA Philosophy (1999), University of Guelph, Guelph, Canada
- BA (Hon) Philosophy (1996), McMaster University, Hamilton, Canada

AOS: Philosophy of the Life Sciences, Applied Ethics,

AOC: History and Philosophy of Science, History of Philosophy, Logic, Environmental Philosophy

LANGUAGES: English (native); French (intermediate oral/reading)

CURRENT POSITION

- Laurentian University, Sudbury, Canada
 - Professor of Philosophy (since 2016)
 - Canada Research Chair (Tier II) of Environment, Culture, and Values (2011-2016, 2016-2021)

PREVIOUS ACADEMIC POSITIONS

- Laurentian University, Associate Professor of Philosophy, Sudbury, Canada (2015-2016)
- Laurentian University, Assistant Professor of Philosophy, Sudbury, Canada (2011-2015)
- Laurentian University, Cross-appointment to the School of the Environment (2014-2019)
- University of Otago, Visiting Scholar in Philosophy, New Zealand (Jun-Aug 2013; Jun-Aug 2012; Jul-Aug 2011; Jun-Aug 2010)
- Loyola University, Assistant Professor in Philosophy, Tenure-track, Chicago, USA (2009-2011)
- Dalhousie University, Post-doctoral Research Fellow, Novel Tech Ethics research group, Halifax, Canada (2007-2009)

GRANTS AND AWARDS

- Canada Research Chair (Tier 2), “Environment, Culture and Values,” Canada Research Chairs Program, 2017-2021 (**\$500K**)
- “Chimpopolis: Science, society and the philosophical animal,” Co-applicant, with PI L Meynell and Co-applicant A Fenton, Social Sciences and Humanities Research Council of Canada (SSHRC) Insight Development grant, 2016-2019 (**\$59K**)
- “ReNewZoo: Training conservation professionals for the zoo/aquarium of the 21st Century,” Co-

applicant, with PI A Schulte-Hostedde, and Co-applicants G Burness, K Clint, D Lesbarrères, J Litzgus, G Mastromonaco, A Moehrenschrager, A Mooers, T Pitcher, A Trites, Natural Sciences and Engineering Research Council of Canada (NSERC), Collaborative Research and Training Experience (CREATE) Program grant, 2016-2023 (\$1.65M)

- “Research Coordinator for the Centre for Evolutionary Ecology and Ethical Conservation (CEECE),” PI, Northern Ontario Heritage Fund Corporation, Internship Program grant, 2015-2016 (\$31.5K)
- “Cultivating the ethics of ecological research: Toward a participatory procedure for enhancing responsible field study practices,” PI, with Co-Investigators A Schulte-Hostedde and P Hansen, and collaborators B Buchanan, D Lesbarrères, and J Litzgus, SSHRC Insight Development Grant, 2014-2017 (\$62.9K)
- “Support for transforming SSHRC Insight Development Grant application ‘Cultivating the ethics of ecological research: Toward a participatory procedure for enhancing responsible field study practices’ into a Development Grant application,” PI, Laurentian University SSHRC Support Grant, 2014-2016 (\$5K)
- “Growth and development of the Centre for Evolutionary Ecology and Ethical Conservation (CEECE),” PI, with Co-Investigators B Buchanan, D Lesbarrères, J Litzgus, and A Schulte-Hostedde SSHRC Aid to Small Universities Grant, 2014-2019 (\$150K)
- “Support for revising 4A-rated SSHRC Insight Development Grant application ‘An investigation of the efficacy of a transparent and systematic decision-theoretic approach to the successful creation of a comprehensive ethics code for the profession of Ecology’” PI, Laurentian University SSHRC Support Grant, 2013-2015 (\$5K)
- “Thinking about responsibility, environment, and Northern community health: What values and ideals about responsibility make us and our environments healthier?” PI, CIHR Science Café Grant, 2013-2014 (\$3K)
- “Thinking extinction: A workshop on the philosophy and science of endangered species and the future of biodiversity,” Co-Investigator, with B Buchanan (PI) and A Schulte-Hostedde (Collaborator), SSHRC Connections Grant, 2013-2015 (\$43K)
- Canada Research Chair (Tier 2), “Environment, Culture and Values,” Canada Research Chairs Program, 2011-2016 (\$500K)
- National Endowment for the Humanities Institute, “Computer simulations in the humanities,”
- “Acoustic adaptation,” PI, NEH Institute for Advanced Topic in the Digital Humanities: Computational Simulation in the Humanities, Project Directors: A Beavers, M Croy, P Grim and M Hadzikadic, 2011-2012 (\$2.1K US and 3-weeks accommodation)
- Laurentian University Start-up funds 2011-2013 (\$8K)

PUBLICATIONS (Underlined surnames indicate student or trainee.)

Book (Co-authored)

- Andrews K, Comstock G, **Crozier G**, Donaldson S, Fenton A, John TM, L. Johnson SM, Jones R, Kymlicka W, Meynell L, Nobis N, Peña-Guzmán D, and Sebo J. (2018) *Chimpanzee Rights: The Philosophers’ Brief*. New York: Routledge

Chapters and Encyclopaedia Entries

- **Crozier G**, Fenton A, Meynell L, Peña-Guzmán D (Forthcoming 2020) “Nonhuman, all too human: Towards Developing Policies for Ethical Chimera Research,” *Neuroethics and Nonhuman Animals*, ed. SM Johnson, A Fenton, and A Shriver, Springer (7,000 words)
- **Crozier G**, Peña-Guzmán D. (2016) “Surrogacy as medical tourism,” invited submission to the *Handbook of Gestational Surrogacy: International Clinical Practice and Policy Issues*, ed. ES

Sills, Cambridge: Cambridge University Press, 45-54

- **Crozier G.** (2016) "Migration," *Encyclopedia of Global Bioethics*, ed. H ten Have, New York: Springer
- **Crozier G.** (2015) "Reproductive travel and tourism," *The Routledge Companion to Bioethics*, ed. J Arras, R Kukla and E Fenton, London: Routledge, 393-402

Refereed Journal Articles

- **Crozier G,** Schulte-Hostedde A. (2015) "Why training in ecological research must incorporate ethics education," special issue on bioethics education, ed. MZ Solomon and L Lee, *Hastings Center Report* 45(5): 14-19
- **Crozier G,** Schulte-Hostedde A. (2015) "Towards improving the ethics of ecological research," *Science and Engineering Ethics* 21(3): 566-594
- **Crozier G,** Schulte-Hostedde A. (2014) "The ethical dimensions of wildlife disease management in an evolutionary context," special issue on wildlife disease management, ed. F Pelletier and E Vander Wal, *Evolutionary Applications* 7(7): 788-798
- **Crozier G,** Johnson J, Hajzler C. (2014) "At the intersections of emotional and biological labor: Understanding transnational reproductive travel and surrogacy as social reproduction," special issue on transnational reproductive travel, ed. J Downie and F Baylis, *International Journal of Feminist Approaches to Bioethics* 7(2): 45-74
- **Crozier G.** (2012) "NEH project: Modeling acoustic adaptation in bird song," *AAAI Fall Symposium Series*, November 2011: 30-33. Available at: <http://www.aaai.org/ocs/index.php/FSS/FSS11/paper/view/4193/4517>
- **Crozier G,** Martin D. (2012) "How to address the ethics of reproductive travel to developing countries: A comparison of National Self-Sufficiency and Regulated Market approaches," special issue on medical tourism, ed. J Snyder and V Crooks, *Developing World Bioethics* 12(1): 45-54
- Master Z, **Crozier G.** (2012) "The ethics of moral compromise for stem cell research policy," *Health Care Analysis* 20(1): 50-65
- **Crozier G.** (2010) "A formal investigation of Cultural Selection Theory: Acoustic adaptation in bird song," *Biology and Philosophy* 25: 781-801
- **Crozier G,** Hajzler C. (2010) "Market stimulus and genomic justice: Evaluating the effects of market access to human germ-line enhancement," *Kennedy Institute of Ethics Journal* 20(2): 161-179
- **Crozier G,** Baylis F. (2010) "The ethical physician encounters international medical travel," *Journal of Medical Ethics* 36(6): 297-301; Reprinted in *Healthcare Ethics in Canada*, 3rd Edition, ed. F Baylis, B Hoffmaster, S Sherwin, K Borgerson (2011)
- **Crozier G.** (2010) "Care workers in the global market: Appraising applications of feminist Ethics of Care," *International Journal of Feminist Approaches to Bioethics* 3(1): 113-137
- **Crozier G.** (2008) "Reconsidering Cultural Selection Theory," *British Journal for the Philosophy of Science* 59(3): 455-479

Invited and Non-refereed Articles

- **Crozier G,** Fenton A, Marino L, Meynell L, Peña-Guzmán D. (2016) "Should NIH fund research on human-nonhuman animal chimeras?" *Hastings Bioethics Forum: The blog of the Hastings Center Report*, 30 August. Available at: <https://www.thehastingscenter.org/challenges-nih-policy-human-animal-chimera-research/>
- **Crozier G,** Krahn T. (2016) "Ethical analyses of predictive brain implants should be consistent with feminist interpretations of autonomy." *AJOB Neuroscience* 6(4): 48-49
- Peña-Guzmán D, Crozier G, Schulte-Hostedde A. (2016) "Genetic integrity, conservation

- biology, and the ethics of non-intervention.” *Ethics, Policy and Environment* 18(3): 259-161
- **Crozier G.** (2015) “Ontario nurses advocate ban on inbound medical tourism,” *Impact Ethics*. Novel Tech Ethics, Dalhousie University. 5 February. Available at: impactethics.ca/2015/02/05/ontario-nurses-advocate-ban-on-inbound-medical-tourism/
 - **Crozier G.** (2014) “Too blunt a tool?: A case for subsuming analyses of exploitation in transnational gestational surrogacy under a justice or human rights approach,” *American Journal of Bioethics* 14(5): 38-40
 - **Crozier G.** (2013) “A Canadian perspective on Sass’s proposal to initiate charitable incentives for blood donation,” *American Journal of Bioethics* 13(6): 48-49
 - **Crozier G, Michaud B.** (2012) “Juvenile ovarian tissue cryopreservation and social justice: An imperative to broaden the discussion,” *American Journal of Bioethics* 12(6): 46-47
 - **Master Z, Crozier G.** (2011) “Sacredness and symbolism of human parthenotes,” *American Journal of Bioethics* 11(3): 37-39
 - **Crozier G.** (2010) “Protecting cross-border providers of ova and surrogacy services?” *Global Social Policy* 10(3): 8-11
 - **Crozier G, Hajzler C.** (2010) “NIMBY claims, free-riders, and universalizability,” *Ethics, Policy, and Environment* 13(3): 317-320
 - **Crozier G, Thomsen K.** (2010) “Stem cell tourism and the role of health professional organizations,” *American Journal of Bioethics* 10(5): 36-38
 - **Crozier G.** (2009) “Agency and responsibility in health worker migration,” *American Journal of Bioethics* 9(3): 8-9
 - **Baylis F, Crozier G.** (2009) “Postmenopausal reproduction: In whose interests?” *Journal of Obstetrics and Gynaecology Canada (JOGC/SOGC)* 31(5): 457-458
 - **Baylis F, Crozier G.** (2009) “Children at all costs?” *Bioethics Forum*. The Hastings Center. 18 February

Additional Publications by Students

- **Vardigans C, M Malloy and L Meynell.** (In press) “Breaking barriers to ethical research: An analysis of the effectiveness of nonhuman animal research approval in Canada,” *Accountability in Research*
- **Peña-Guzmán D.** (2017) “Can nonhuman animals commit suicide?” *Animal Sentience*, 20(1); (2018) “Can dolphins commit suicide?: Response to commentary on Peña-Guzmán on animal suicide,” *Animal Sentience*, 20(1)
- **Peña-Guzmán D and R Hage.** (2016) “Bioethics and wish-outsourcing: Report from a case of brain axonal injury,” *AJOB Neuroscience*, 7(1): 73-75
- **Peña-Guzmán D.** (2015) “The phenomenology of brain implantation: On the use and misuse of phenomenological method.” *AJOB Neuroscience*, 6(4): 28-30
- **Mercer T.** (2015) “On science and wisdom: Bellwork, a chance to unpack.” *Crucible*
- **Soderman S.** (2015) “The essence of windmill and chimney as more environmentally amenable than windturbine and hydrodam,” *Polymath: An Interdisciplinary Arts & Sciences Journal*. 5(2). Available at:
- **Bridges L.** (2015) “How could I? A personal and political contemplation of entering the sex trade,” *Mothers, Mothering and Sex Work*, eds. R Bromwich and MM DeJong, Bradford, Canada: Demeter Press, 193-212
- **Neitzke A.** (2012) “On the genetic modification of psychology, personality, and behavior,” *Kennedy Institute of Ethics Journal*, 22(4): 307-343
- **Thomsen K.** (2010) “A Foucauldian analysis of ‘A neuroskeptic’s guide to neuroethics and national security,’” *AJOB Neuroscience* 1(2): 29-30

Advocacy / Policy

- Andrews K, Comstock G, **Crozier G**, Fenton A, John TM, L. Johnson SM, Jones R, Meynell L, Nobis N, Peña-Guzmán D, Rocha J, Rollin B and Shriver A. (2018) ‘Elephant Personhood: The Philosophers' Brief’ (unofficial name). Filed in the Appellate Court, State of Connecticut, in November (<https://www.nonhumanrights.org/content/uploads/The-Philosophers-Brief.pdf>)
- Andrews K, Comstock G, **Crozier G**, Donaldson S, Fenton A, John TM, L. Johnson SM, Jones R, Kymlicka W, Meynell L, Nobis N, Peña-Guzmán D, and Sebo J, Rocha J, Rollin B, Shriver A and Walker RL. (2018) ‘Chimpanzee Personhood: The Philosophers' Brief.’ Filed in the Court of Appeals, State of New York, in February (<https://www.nonhumanrights.org/blog/update-motion-philosophers-brief/>).

PRESENTATIONS

Refereed Conference Presentations

- “Considering the perspectives of nonhuman animals in research ethics: Panel on science, society, and the philosophical animal” with A Fenton, L Meynell, D Peña-Guzmán, T Krahn
 - 2016, Canadian Bioethics Society, Toronto, Canada, 26 May
 - 2016, Feminist Approaches to Bioethics, Edinburgh, Scotland, 13-15 Jun
- “Reflections on harm/benefit analysis in research involving nonhuman animal subjects: Can sympathy and dissent guide a refinement?” with G Griffin
 - 2016, Canadian Bioethics Society, Toronto, Canada, 26 May
 - 2015, American Society for Bioethics and Humanities, Houston, USA, 22 Oct
 - 2015, International Society for the History, Philosophy, and Social Studies of Biology, Montreal, Canada, 8 Jul
- “Using decision theoretic software to integrate ethics into the training of ecological researchers”
 - 2015, Panel on “Practical Approaches to Integrating Philosophy and Ecological Research” (Panel organizer), International Society for the History, Philosophy, and Social Studies of Biology, Montreal, Canada, 7 Jul
 - 2015, Canadian Society for the Study of Practical Ethics, Ottawa, Canada, 31 May
 - 2014, Society for Ethics Across the Curriculum, Tempe, AZ, USA, 2 Oct
- “Bioethics education for ecological researchers” with A Schulte-Hostedde
 - 2014, World Congress of Bioethics, Mexico City, Mexico, 28 Jun
 - 2014, Canadian Bioethics Society Conference, Vancouver, Canada, 29 May
- “At the intersections of emotional and biological labor: Understanding transnational surrogacy as social reproduction” with J Johnson and C Hajzler
 - 2014, Feminist Approaches to Bioethics World Congress, Mexico City, Mexico, 24 Jun
 - 2014, Canadian Bioethics Society Conference, Vancouver, Canada, 29 May
 - 2014, Panel on “Biolabour Across Borders” (Panel co-organizer), Women’s and Gender Studies et Recherches Féministes (WGSRF) Conference, Saint Catharines, Canada, 27 May
 - 2013, Annual Meeting of the MidWest SWIP (Society for Women in Philosophy), Buffalo, USA, 3 Nov
- “Women’s reproductive autonomy and transnational commercial surrogacy” with J Parks
 - 2014, Workshop on Global Surrogacy and Reproductive Markets, Ottawa, Canada, 7 Feb
- “Toward improving the ethics of ecological research” with A Schulte-Hostedde
 - 2013, Canadian Society for Ecology and Evolution Conference, Kelowna, Canada, 13 May
- “Modelling cultural evolution in bird song: Computer simulation as empirical support for the

Acoustic Adaptation Hypothesis”

- 2012, Complexity and Human Experience, University of North Carolina, Charlotte, USA, 31 May
- 2012, Central Meeting of the American Philosophical Association, Chicago, USA, 16 Feb
- 2011, American Association for the Advancement of Artificial Intelligence, Arlington, USA, 5 Nov
- “Feyerabend on Newton: A defence of Newton's empiricist method”
 - 2011, Australasian Association of Philosophy Annual Conference, Dunedin, New Zealand, 6 Jul
- “A moral compromise does matter: The ethics of stem cell research”
 - 2010, Crozier G, Master Z. 10th World Congress of Bioethics, International Association of Bioethics, Singapore, 30 Jul
- “Constraining reproductive travel: Ethical considerations”
 - 2010, 10th World Congress of Bioethics, International Association of Bioethics, Singapore, 28 Jul
 - 2010, Panel on “Transnational Reproductive Travel” (Panel organizer), 8th International Congress of Feminist Approaches to Bioethics, Singapore, 26 Jul
 - 2009, American Society for Bioethics and Humanities 11th Annual Meeting, Washington DC, USA, 17 Oct
 - 2009, 20th Canadian Bioethics Society Conference, Hamilton, Canada, 12 Jun
- “Market stimulus and human germ-line enhancements”
 - 2008, 9th World Congress of Bioethics, International Association of Bioethics, Rijeka, Croatia, 6 Sep
 - 2008, International GE3LS Symposium, Genome Canada, Calgary, Canada, 29 Apr
- “Tronto international: Care in the global marketplace”
 - 2008, ‘Bioethics in Nursing’ Symposium, World Congress of Bioethics, Rijeka, Croatia, 4 Sep
 - 2008, International Congress of Feminist Approaches to Bioethics, Rijeka, Croatia, 3 Sep
 - 2008, Nursing Research: The Path to Excellence, Iota Omicron chapter of the Sigma Theta Tau International Honor Society of Nursing, University of Western Ontario, London, Canada, 2 May
- “Acoustic adaptation in bird song: A case study in cultural selection”
 - 2008, Biological Explanations of Behavior: Philosophical Perspectives, University of Minnesota and Leibniz University, Hannover, Germany, 15 Jun

Invited Presentations

- “Ethics in zoos and aquariums”
 - 2019, “The biopolitics of zoos and aquariums: Examining the new Canadian ban on whale and dolphin captivity,” with co-presenter A Fenton, Annual Conference of Canada’s Accredited Zoos and Aquariums (CAZA), Calgary AB, 2 Oct
 - 2017, “Zoo and aquarium ethics: The case of Marius the giraffe,” with co-presenter A Fenton, Annual Conference of CAZA, Windsor ON, 17 Sep
 - 2016, “The conservation crisis: Are zoos up to the task?” with co-panellists A Lentini and D DeJong, Annual Conference of CAZA, Whitehorse, Yukon Territory, 27 Sep
- “Revisiting the social license of zoos and aquariums in light of evolving social norms”
 - 2018, Rotman Institute for Philosophy, University of Western Ontario, 25 Jan
- “Political animals: A conversation about the changing moral, legal, and political status of

- nonhuman animals”
- 2018, with co-panellists W Kymlicka and V Black, Dalhousie University, Halifax NS, 10 Jul
 - “Integrating Empirical, Conceptual, and Theoretical Analysis”
 - 2015, Panel on Ethics, “Research Matters: Ontario and Canada Research Chairs Symposium,” Toronto, Canada, 2 Apr
 - “Reflections on harm/benefit analysis in research involving non-human animal subjects: How Sympathy Theory and a 4-dimensional Bateson’s Cube can help operationalize aspects of the European Union Directive 63/10”
 - 2014, Plenary presentation, Canadian Council for Animal Care (CCAC) National Workshop, Ottawa, Canada, 13 Jun
 - “Care workers in the global market: Appraising applications of feminist care ethics”
 - 2014, Department of Philosophy Seminar Series, Dalhousie University, Halifax, Canada, 28 Feb
 - “Ethics of reproductive tourism”
 - 2013, World Medical Tourism and Global Healthcare Congress, Medical Tourism Association, Las Vegas, USA, 4 Nov
 - “At the intersections of emotional and biological labour: Understanding transnational commercial surrogacy as social reproduction”
 - 2013, Crozier G, Johnson J, Hajzler C. Department of Philosophy, University of Otago, Dunedin, New Zealand, 21 Aug
 - “In pursuit of an ethics policy for ecological researchers”
 - 2012, Department of Philosophy, University of Otago, Dunedin, New Zealand, 15 Aug
 - 2012, Department of Bioethics, University of Otago, Dunedin, New Zealand, 13 Aug
 - 2012, Bioethics Graduate Research Seminar, University of Otago, Dunedin, New Zealand, 8 Aug
 - “Labour issues: Is it ethical to constrain the international market in female reproductive resources?”
 - 2012, Department of Philosophy, St. Francis Xavier University, Antigonish, Canada, 6 Feb
 - 2010, Cross-Disciplinary Ethics Group, Loyola University, Chicago, USA, 18 Oct
 - 2010, Bioethics Centre, Dunedin School of Medicine, University of Otago, Dunedin, New Zealand, 9 Aug
 - 2009, WIPS (Works in Progress Seminar), Department of Bioethics, Dalhousie University, Halifax, Canada, 19 May
 - “On Feyerabend on Newton: A defence of Newton's notion of empirical success”
 - 2011, Department of Philosophy, University of Otago, Dunedin, New Zealand, 13 Jul
 - “Culture and the ecological environment: Elucidating cultural evolution through formal models of acoustic adaptation”
 - 2010, Department of Philosophy, Laurentian University, Sudbury, Canada, 10 Mar
 - 2010, Department of Philosophy, University of Otago, Dunedin, New Zealand, 14 Jul
 - 2009, Environmental Studies Program and Center for Bioethics, New York University, New York, USA, 18 Feb
 - “Moral compromise in stem cell research”
 - 2010, Novel Tech Ethics. Dalhousie University, Halifax, Canada, 13 Apr
 - “Medical tourism and global inequities”
 - 2010, John F. Grant Symposium, Loyola University Chicago, Chicago, USA, 25 Mar

- “Ethical issues in medical travel”
 - 2009, (presentation by co-authors Andreas Reis and Dominique Martin), The Movement of Patients Across International Borders, WHO Centre for Health Development and WHO Department of Ethics, Equity, Trade and Human Rights. Kobe, Japan, 26 Feb
- “Market stimulus and engineering genomic enhancements”
 - 2009, Department of Philosophy and Religious Studies, Iowa State University. Ames, USA, 6 Feb
 - 2009, School of Public Policy, Georgia Institute of Technology, Atlanta, USA, 2 Feb
 - 2009, Department of Philosophy, Loyola University, Chicago, USA, 28 Jan
 - 2009, Science, Technology and Society Program and Department of Humanities, New Jersey Institute of Technology, Newark, USA, 13 Jan
 - 2008, CIHR Ethics of Health Research and Policy 2008 Retreat, St. John’s, Canada, 22 Jun

Refereed Workshops

- 2019, “Agent based modelling of human-environment interactions,” 10th Annual European Social Simulation Association Summer School in Social Simulation, James Hutton Institute, Aberdeen, Scotland, 17-21 Jun
- 2016, “Transnational surrogacy as capacity building: Exploitation, coercion, and empowerment,” Workshop on Exploitation and Coercion, Center for Ethics and Policy, Carnegie Mellon University, Pittsburgh PA (Presented by co-author D Peña-Guzmán)
- 2013, “Toward improving the ethics of ecological research” with A Schulte-Hostedde, Mentor-Pairing Workshop, American Society for Bioethics and Humanities 15th Annual Meeting, Atlanta, USA, 25 Oct
- 2011, Computer Simulations in the Humanities, National Endowment for the Humanities, sponsored by the Institute for Advanced Topics in Digital Humanities and the Complex Systems Institute at the University of North Carolina, Charlotte, USA, 1-17 Jun

EVENT ORGANIZATION

- 2018, “Chimpanzee rights: A view from philosophers,” co-organized with K Andrews and L Meynell, The Fauna Foundation, Chamblis PQ, 3 Jun
- 2018, Chimpopolis: Strategic workshop, co-organized with L Meynell and A Fenton, Montreal PQ 1-3 Jun
- 2016, “Conservation conundrums: Should we save the parasites?” Science Café co-organized with Science North, Sudbury, Canada, 23 Feb
- 2016, “SSHRC Grant Writing Retreat,” co-organized with R Craig and the Office of Research Services, Laurentian University, Sudbury ON 30 Sep
- 2015, “Evolution in action: A week of evolution-themed events in honour of Darwin’s birthday,” part of Research Week at Laurentian University, co-organized with A Schulte-Hostedde
 - “Evolutionary Medicine” Science Café co-presented with Science North, Sudbury, Canada, 10 Feb
 - “Was there a Darwinian Revolution?” Michael Ruse, 11 Feb
 - “Rap Guide to Evolution”, Baba Brinkman, 12 Feb
- 2014, “Our health and our environment: How does ‘responsibility’ matter?” Science Café co-presented with Science North, Sudbury, Canada, 15 Apr
- 2013, “Thinking extinction: An international symposium on the philosophy and science of endangered species and biodiversity conservation,” co-organized with B Buchanan, J Litzgus, and A Schulte-Hostedde, Laurentian University, Canada, 13-16 Nov

TEACHING EXPERIENCE

Laurentian University

- “Logic” PHIL 2336
 - 2nd year undergraduate: Begins in 2019
- “ReNewZoo 101”
 - Graduate: 2016-17
- “Cultural Evolution” PHIL 4006 / HUMA 5236
 - 4th year honours seminar / Graduate: 2016
- “Philosophy of Biology” PHIL 2366
 - 3rd year undergraduate: 2016, 2015
- “Technology, Freedom and Values” PHIL 2747
 - 3rd year undergraduate: 2015
- “Global Justice and Health Care Ethics” PHIL 4007 / HUMA 5127
 - 4th year honours seminar / Graduate: 2015
- “Ecological Humanities” HUMA 5256
 - Graduate: 2013, 2013
- “Critical Thinking and Argumentation” PHIL 2505
 - 2nd year undergraduate: 2012-13, 2011-12

Loyola University Chicago

- “Global Justice and Healthcare” PHIL 468
 - Graduate: 2011
- “Genetic Technologies and Ethics” BIET 395 / PHIL 324
 - 4th year capstone course for Bioethics Minor, co-taught with geneticist Mark Rovedo: 2011, 2010
- “Healthcare Ethics” PHIL 184
 - 2nd year undergraduate: 2010, 2010, 2009
- “Topics in Ethics: Biotechnology and Ethics” PHIL 324
 - 4th year honours: 2009

University of Western Ontario

- “Asian Philosophies” Philos 154
 - 2nd year undergraduate: 2006-7 (online)
- “Introduction to Decision Analysis” Philos 256
 - 3rd year undergraduate: 2005
- “Reasoning and Critical Thinking” Philos 021
 - 1st year undergraduate: 2002-3 (online)
- “Introduction to Philosophy” Philos 020
 - 1st year undergraduate: 2001-2

PROFESSIONAL SERVICE

Supervision

- Interns and Professional Supervision
 - Sona Ghosh (Since 2014)
 - Tanis Mercer (2012-2017)
- Thesis and Practicum Supervision
 - MA Thesis, Humanities: Sean Soderman (2017-2018) “Animality and Play”

- MA Practicum, Humanities: Jennifer Harvey (2014-2015) “Bauhaus and Montessori pedagogical techniques: A critical comparison”
- MA Thesis, Applied Social Research: Chelsea Glanville (2013-2015) “‘Pink ribbon culture’ in the West: The impact of counter-narratives, corporatization and cause-related research marketing” – co-supervised with Jennifer Johnson (Women’s Studies) and Gary Kinsman (Sociology)
- MA Practicum, Humanities: Douglas Ord (2013-2014): “The Ontic and Epistemic Status of Aboriginal Belief Narratives with Respect to Inter-Generational Human Experience in the Sub-Boreal North”
- Honors BA Thesis, Philosophy: Alex Neitzke (2010-2011), “On the Genetic Modification of Psychology, Personality, and Behavior”
- Post-doctoral Fellow
 - David Peña-Guzmán (2015-2016)
- Doctoral Research and Teaching Assistants
 - Saad Anis (2014)
 - Quoc Hao MacH (2011-2013)
 - Marcella Russo (2011)
 - Kyle Thomsen (2009-2010)
- Master’s Research and Teaching Assistants
 - Andrew Lopez (2017-18)
 - Jennifer Harvey (2015-2016)
 - Sean Soderman (2015-16)
 - Sophie LeBlanc (2014-15)
 - Isabelle Chouinard (2013-2014)
 - Douglas Ord (2013-2014)
 - Tanis Mercer (2013-2014)
 - Alain (AJ) Boulay (2012-2013)
- Undergraduate Research and Teaching Assistants
 - Caroline Vardigans (since 2017)
 - Kar Pak Ng (2015-2016)
 - Sean Soderman (2013-15)
 - Mason Morningstar (2014)
 - Brandon Michaud (2012-2013)
 - Katelynn Paul (2012-2013)
- Examination Committee Service (Laurentian University)
 - Chair, PhD defence, Boreal Ecology: Fallon Tanentzrap (24 Mar 2015)
 - Comprehensive Examination Committee, Department of Biology, Laurentian University: Jesse Popp, “Direct and indirect causes of variation in survival and recruitment: Implications for elk (*Cervus elaphus*) reintroduction Success” (Apr 2014)
 - Examiner, PhD defence, Department of Biology: Peter Cott, “Life history and reproductive ecology of a mid-Winter spawner: The burbot (*Lota lota*)” (Jan 2013)

Governance and Service

- Canadian Council on Animal Care (CCAC)
 - Subcommittee Member on Ethics Principles (2018-2021)
 - Animal Data Working Group Member (2016-2018)
- Canadian Institutes of Health Research (CIHR)
 - Institutional Advisory Board Member, Institute on Indigenous Peoples’ Health (2017-

- 2022)
- Institutional Advisory Board Member on Health Innovation (2016-2017)
- ReNewZoo NSERC CREATE Training Program
 - Acting Director (2016)
 - Operating Committee member (since 2016)
 - Curriculum Development Committee member (since 2016)
- Laurentian University
 - SSHRC Leader (2015-2017)
 - Senate Committee on Research, Development and Creativity (2016)
 - Graduate Steering Committee, School of the Environment (2015-2016)
 - Founding Member, Centre for Evolutionary Ecology and Ethical Conservation (since 2013)
 - Director, Centre for Humanities Research and Creativity (2012-2016)
 - Humanities M.A. Council
 - Member (since 2012)
 - Chair, Speakers Sub-Committee (2013-2016)
 - Department of Philosophy, Laurentian University
 - Library Representative (since 2013)
 - Faculty Liaison, Philosophy Club (2011-2013)
 - Undergraduate Essay Awards Committee (2011-2014)
- Supervisory accreditation at Laurentian University
 - MA in Sociology
 - Humanities MA
 - PhD in Human Studies
 - PhD in Rural and Northern Health
- Mentoring Activities
 - Academic Job Market Seminar for Philosophy Graduate Students
 - University of Otago (Aug 2013, Aug 2011)
 - Loyola University (Mar 2010)
- Loyola University, Department of Philosophy
 - Bioethics Committee (2009-2011)
 - Student Grievance Committee (2009-2011)
 - Mellon Essay Awards Committee (2009-2011)
- Intern, World Health Organization, Department of Ethics, Equity, Trade, and Human Rights, Switzerland (2008)

Refereeing

Books

- Broadview Press, textbook: 2018, 2013
- Springer Press, edited book referee: 2014

Workshops

- ASBH Mentor Pairing Workshop: 2015

Grants

- Social Sciences and Humanities Research Council (SSHRC)
 - Insight Grant Program (Philosophy stream): 2019, 2018
 - Insight Development Grant Program (Humanities stream): 2016, 2015
- Canadian Institutes of Health Research (CIHR)
 - Project Scheme: 2016

- Ethics Catalyst Grant: 2014, 2014
- Foundation Scheme: 2015
- Operating Grant (Health Law, Ethics, and Policy stream): 2015, 2014
- Canada Research Chair Program: 2014, 2013
- Wellcome Trust Post-Doctoral Fellowship: 2012

Journals

- *American Journal of Bioethics*: 2012, 2011
- *Biology and Philosophy*: 2015, 2011
- *Bioethics*: 2019
- *BMC Medical Ethics*: 2013
- *Bulletin of the World Health Organization (WHO)*: 2016, 2011, 2008, 2008
- *Ethical Theory and Moral Practice*: 2015
- *Global Social Policy*: 2010
- *Health Care Analysis*: 2015
- *Hypatia*: 2015, 2014, 2011, 2010
- *International Journal of Feminist Approaches to Bioethics*: 2015, 2012, 2012, 2010
- *Journal of Medical Ethics*: 2013, 2011, 2011
- *Medical Anthropology*: 2012
- *Medicine, Healthcare and Philosophy*: 2013, 2012, 2011
- *Monash Bioethics Review*: 2015
- *Politics and Policy*: 2012
- *Social Science and Medicine*: 2014

Media Appearances

- 2014, “Simulating bird songs to study cultural evolution,” TEDx, Laurentian University (filmed 6 Feb), selected by TEDx Editors as a “Talk of the Week”
- 2014, “Professor talks about preventing cheating,” *Points North*, Interview by Jason Turnbull, CBC Radio North (aired Apr 23)
- 2013, “En(gene)ered: The future,” Interview by Jenifer Norwell, CBC Radio North (aired Sep 13)

Professional Affiliations

- American Philosophical Association
- Canadian Philosophical Association
- International Society for the History, Philosophy, and Social Studies of Biology (ISH)
- International Society of Feminist Approaches to Bioethics

GZJ KDKV"7"

Andrew Fenton, PhD

Department of Philosophy
Dalhousie University
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Halifax, NS
B3H 4R2

902-494-3538
andrew.fenton@gmail.com

Current Position

2019-present. Associate Professor, Department of Philosophy, Dalhousie University, Halifax, Nova Scotia.

Previous Positions

2016-19. Assistant Professor, Department of Philosophy, Dalhousie University, Halifax, Nova Scotia.

2011-17. Assistant Professor, Department of Philosophy, California State University – Fresno, Fresno, California.

2007-09, 2010-11. Postdoctoral Fellow, Novel Tech Ethics, Dalhousie University, Halifax, Nova Scotia.

2009-10. Project Manager, *Situating Science: Clustering the Humanist and Social Studies of Science in Canada* (a Social Sciences and Humanities Research Council of Canada Strategic Knowledge Cluster Grant), University of King's College, Halifax, Nova Scotia.

2006-07. Research Associate, Novel Tech Ethics (Department of Bioethics), Dalhousie University, Halifax, Nova Scotia.

Areas of Specialization

Animal Ethics, Epistemology, Neuroethics, Philosophy of animal behavior and cognition.

Areas of Competence

Asian Philosophies (in particular: classical Indian philosophies, early Confucianism and philosophical Taoism), Bioethics, Applied Ethics, Philosophy of Religion.

Education

PhD. Philosophy. June, 2007; University of Calgary, Calgary, Alberta.

M.A. Philosophy. October, 1995; Dalhousie University, Halifax, Nova Scotia.

B.A. (Hons) Philosophy and Comparative Religion. October, 1994; Acadia University, Wolfville, Nova Scotia.

Research

Peer-reviewed articles (single authored)

Andrew Fenton. Holding animal-based research to our highest ethical standards: Re-seeing two emergent laboratory practices and the ethical significance of research animal dissent. *ILAR* 2020; online.

Andrew Fenton. A moderate Buddhist animal research ethics. *Developing World Bioethics* 2019; 19(2): 106-15.

Andrew Fenton. Can a Chimp Say “No”? Reenvisioning Chimpanzee Dissent in Harmful Research. *Cambridge Quarterly of Healthcare Ethics* 2014; 23(2): 130-139.

Andrew Fenton. Neuroscience and the Problem of Other Animal Minds: Why It May Not Matter So Much for Neuroethics. *The Monist* 2012; 95(3): 463-485.

Andrew Fenton. On the need to redress an inadequacy in animal welfare science: toward an internally coherent framework. *Biology and Philosophy* 2012; 27(1): 73-93.

Andrew Fenton. Buddhism and neuroethics: the ethics of pharmaceutical cognitive enhancement. *Developing World Bioethics* 2009; 9(2): 47-56.

Peer-reviewed articles (co-authored)

Vaughan Black and **Andrew Fenton.** Humane Driving. *The Canadian Journal of Law and Jurisprudence*, forthcoming.

Hope Ferdowsian, L. Syd M Johnson, Jane Johnson, **Andrew Fenton**, Adam Shriver, and John Gluck. A Belmont Report for Animals? *Cambridge Quarterly of Healthcare Ethics* 2020; 29(1): 19-37.

Timothy Krahn and **Andrew Fenton.** Funding Priorities: Autism and the Need for a More Balanced Research Agenda. *Public Health Ethics* 2012; 5(3): 296-310.

Timothy Krahn and **Andrew Fenton.** The Extreme Male Brain Theory of Autism and the Potential Adverse Effects for Boys and Girls with Autism. *Journal of Bioethical Inquiry* 2012; 9(1): 93-103.

Andrew Fenton and Frederick Gilbert. On the Use of Animals in Emergent Embryonic Stem Cell Research for Spinal Cord injuries. *Journal of Animal Ethics* 2011; 1(1): 37-45.

Timothy Krahn, **Andrew Fenton**, Letitia Meynell. Novel Neurotechnologies in Film - A Reading of Steven Spielberg's *Minority Report*. *Neuroethics* 2010; 3: 73-88.

Timothy Krahn and **Andrew Fenton.** Autism, Empathy and Questions of Moral Agency. *Journal for the Theory of Social behavior* 2009; 39(2): 145-66.

Andrew Fenton, Letitia Meynell and Françoise Baylis. Ethical challenges and interpretive difficulties with non-clinical applications of pediatric fMRI. *The American Journal of Bioethics* 2009; 9(1): 3-13.

Andrew Fenton and Sheri Alpert. Extending our view on using BCIs for Locked-in syndrome. *Neuroethics* 2008; 1(2): 119-32.

Andrew Fenton and Timothy Krahn. Autism, neurodiversity and equality beyond "the normal." *Journal of Ethics in Mental Health* 2007; 2(2).

Françoise Baylis and **Andrew Fenton.** Chimera Research and Stem Cell Therapies for Human Neurodegenerative Disorders. *Cambridge Quarterly of Healthcare Ethics* 2007; 16: 195-208.

Book chapters (single authored)

Andrew Fenton. Decisional Authority and Animal Research Subjects. In *The Routledge Handbook of Philosophy of Animal Minds*, edited by Kristin Andrews and Jacob Beck. New York: Routledge, 2018: 475-84.

Andrew Fenton. Re-Conceiving Nonhuman Animal Knowledge Through Contemporary Primate Cognitive Studies. In *Philosophy of Behavioral Biology* (Boston Studies in the Philosophy of Science) edited by Kathryn S. Plaisance and Thomas A.C. Reydon. New York: Springer, 2012: 125-146.

Andrew Fenton. Brain death: *Steel Magnolias*. In *The Picture of Health: Medical Ethics and the Movies* edited by Henri Colt, Silvia Quadrelli, and Lester Friedman. New York: Oxford University Press, 2011: 392-399.

Book chapters (co-authored)

- G.K.D. Crozier, **Andrew Fenton**, Letitia Meynell, and David M. Peña-Guzmán. Nonhuman, All Too Human: Towards Developing Policies for Ethical Chimera Research. In *Neuroethics and Nonhuman Animals*, edited by L. Syd M Johnson, Andrew Fenton, and Adam Shriver. New York: Springer, 2020: 205-19.
- Andrew Fenton** and Adam Shriver. Animal Minds: The Neuroethics of Nonhuman Dissent. In *The Routledge Handbook of Neuroethics*, edited by L. Syd M Johnson and Karen S. Rommelfanger. New York: Routledge, 2018: 484-98.
- Michael Doan and **Andrew Fenton**. Embodying autistic cognition: Towards re-conceiving certain 'autism-related' behavioural atypicalities as functional. In *The Philosophy of Autism* edited by Jami L. Anderson and Simon Cushing. New York: Rowman and Littlefield Publishers, Inc., 2013: 47-71.

Books (co-authored/co-edited)

- L. Syd M Johnson, **Andrew Fenton**, and Adam Shriver, eds. *Neuroethics and Nonhuman Animals*. New York: Springer, 2020.
- Kristin Andrews, Gary Comstock, G.K.D. Crozier, Sue Donaldson, **Andrew Fenton**, Tyler M. John, L. Syd M Johnson, Robert C. Jones, Will Kymlicka, Letitia Meynell, Nathan Nobis, David M. Peña-Guzmán, Jeff Sebo. *Chimpanzee Rights: The Philosophers' Brief*. New York: Routledge, 2019.

Non-peer-reviewed articles

- Andrew Fenton**. A Zooplean look at animal research ethics. *Between the Species* 2020; 23.1: 131-54.
- Andrew Fenton** and Timothy Krahn. Interrogating the boundary of Human-level and T moral status. *The American Journal of Bioethics* 2010; 1(2): 61-63.
- Andrew Fenton**, Letitia Meynell, Françoise Baylis. Responsibility and Speculation: On Possible Applications of Pediatric fMRI. *The American Journal of Bioethics* 2009; 9(1): W1-W2.
- Andrew Fenton** and Timothy Krahn. Who's to Regret, What's to Regret? *The American Journal of Bioethics* 2008; 8(2): 42-43.

Book reviews (single authored)

- Andrew Fenton**. *Naturalized Bioethics: Toward Responsible Knowing and Practice*. By HILDE LINDEMANN, MARIAN VERKERK, AND MARGARET URBAN WALKER. *Hypatia* 2010; 25(3): 610-613.
- Andrew Fenton**. D.L.Cheney, R.M. Seyfarth, *Baboon Metaphysics: The Evolution of a Social Mind*. A Review. The University of Chicago Press, Chicago, 2007. *Biology and Philosophy* 2009; 24(1): 129-36.
- Andrew Fenton**. Paul Churchland. *Neurophilosophy at Work*. New York: Cambridge University Press 2007. *Philosophy in Review* 2008; 28(5): 324-26.
- Andrew Fenton**. Merkel, R. et al. 2007. *Intervening in the Brain: Changing Psyche and Society*. New York: Springer: a review. *Neuroethics* 2008; 1: 213-15.

Book reviews (co-authored)

- Andrew Fenton** and Timothy Krahn. *Disability Bioethics: Moral Bodies, Moral Difference*. By JACKIE LEACH SCULLY. *Hypatia* 2011; 26(3): 651-655.

Blogs/Newletters/Opinion pieces (single authored)

- April, 2020. “COVID-19 measures in animal labs: Bad news for rodents.” *Impact Ethics*: <https://impactethics.ca/2020/04/27/covid-19-measures-in-animal-labs-bad-news-for-rodents/>.
- March, 2019. “Engage, don’t exclude controversial philosopher.” Opinion piece in *The Chronicle Herald* (<https://www.thechronicleherald.ca/opinion/opinion-engage-dont-exclude-controversial-philosopher-293722/>).
- May, 2018. “Confronting a manifest injustice: toward chimpanzee rights.” *Impact Ethics*: <https://impactethics.ca/2018/05/19/confronting-a-manifest-injustice-chimpanzee-rights/>.
- Winter, 2018. “The Ethical Importance of Transparency for Zoos and Aquaria.” *Connections*, Winter 2018 (published by Canada’s Accredited Zoos and Aquariums).
- September, 2017. “An animal bioethicist in Seattle.” *Impact Ethics*: <https://impactethics.ca/2017/09/07/an-animal-bioethicist-in-seattle/>.
- September, 2016. “The Costs of Chimpanzee Research.” *Impact Ethics*: <https://impactethics.ca/2016/09/15/the-costs-of-chimpanzee-research/>.

Blogs/Newletters (co-authored)/Opinion pieces

- March, 2018. “Philosophers’ Brief on Chimpanzee Personhood.” (Co-authored with L. Syd M Johnson.) *Impact Ethics*: <https://impactethics.ca/2018/03/04/philosophers-brief-on-chimpanzee-personhood/>.
- January, 2017. “The lure of human-animal chimera research.” (Co-authored with Letitia Meynell.) *Impact Ethics*: <https://impactethics.ca/2017/01/30/the-lure-of-human-animal-chimera-research/>.
- August, 2016. “Public Comment: Should NIH Fund Research on Human-Animal Chimeras?” (Co-authored with G.K.D. Crozier, Lori Marino, Letitia Meynell, and David Peña-Guzmán.) *Hasting Bioethics Forum*: <http://www.thehastingscenter.org/challenges-nih-policy-human-animal-chimera-research/>.
- April, 2016. “The Ethics of Non-human Primate Research.” (Co-authored with L. Syd M Johnson.) *Impact Ethics*: <https://impactethics.ca/2016/04/05/the-ethics-of-non-human-primate-research/>.
- September, 2014. “Which lives are you ‘pro’?” (Co-authored with Letitia Meynell.) *Impact Ethics*: <http://impactethics.ca/2014/09/05/which-lives-are-you-pro/>.

Advocacy/policy

- Kristin Andrews, Gary Comstock, G.K.D. Crozier, **Andrew Fenton**, L. Syd M Johnson, Robert Jones, Letitia Meynell, Nathan Nobis, David Peña-Guzmán, James Rocha, Bernard Rollin, and Adam Shriver. ‘Elephant Personhood: The Philosophers’ Brief’ (unofficial name). Filed in the Appellate Court, State of Connecticut, in November, 2018 (<https://www.nonhumanrights.org/content/uploads/The-Philosophers-Brief.pdf>).
- Kristin Andrews, Gary Comstock, G.K.D. Crozier, Sue Donaldson, **Andrew Fenton**, Tyler M. John, L. Syd M Johnson, Robert Jones, Will Kymlicka, Letitia Meynell, Nathan Nobis, David Peña-Guzmán, James Rocha, Bernard Rollin, Jeffrey Sebo, Adam Shriver, and Rebecca L. Walker. ‘Chimpanzee Personhood: The Philosophers’ Brief.’ Filed in the Court of Appeals, State of New York, in February, 2018 (<https://www.nonhumanrights.org/blog/update-motion-philosophers-brief/>).

Theses

Aping the substantive epistemic subject? In search of epistemic equals in the genus Pan. Doctoral Thesis, Department of Philosophy, University of Calgary, April, 2007.

Does Fido know that the cat is on the mat? An account of, and response to, Externalist Reliabilism. Masters Thesis, Department of Philosophy, Dalhousie University, September, 1995.

Plantinga and the Rationality of Theistic Belief. Honours Thesis, Department of Philosophy, Acadia University, September, 1994.

Grants (external; PI, co-applicant, or co-author)

2017. "Respect your fellow 'earthling': What we owe other animals." Open Academy grant. The Royal Society of Canada, Atlantic. Co-Principal Investigator. (\$3,000).

2016. "'Chimpopolis': Science, Society, and the Philosophical Animal." Insight Development Grant. Social Sciences and Humanities Research Council. Co-applicant. (\$59,000.)

2016. "Political Animals." Open Academy grant. The Royal Society of Canada, Atlantic. Co-applicant. (\$3,000.)

2008 "Autism: Research Priorities and the Public Purse." Café Scientifique Grant. Canadian Institutes of Health Research. Co-applicant. (\$3,000.)

Grants (external; collaborator)

2016 National Science and Engineering Research Council (NSERC) Collaborative Research and Training Experience Grant for ReNewZoo – Training Conservation Professionals for the Zoo/Aquarium of the 21st Century (Principal Investigator: Albrecht Schulte-Hostedde). Collaborator. (\$1,650,000.)

Grants (internal)

2012 Research assistant grant. Dean of Arts and Humanities. California State University – Fresno.

Peer-reviewed presentations

May, 2017. "Toward a chimpanzee social epistemology." Knowledge in Nonhuman Species: The Epistemic Levers Hypothesis symposium at the Canadian Philosophical Association conference. Toronto, ON.

_____. "Co-creating decisional authority in compromised spaces." The Animal Sciences Meet Animal Ethics symposium at the Canadian Philosophical Association conference. Toronto, ON.

October, 2017. Panel: "Belmont for Animals? Considering a Framework for Protecting Nonhuman Primates in Research." The American Society for Bioethics and Humanities 19th Annual Meeting. Sheraton Kansas City Hotel, Kansas City, MO (co-presented with Hope Ferdowsian, Syd Johnson, and Adam Shriver).

October, 2016. "On bad foundations and poor (regulatory) construction." Animal Bioethics Affinity Group, The American Society for Bioethics and Humanities 18th Annual Meeting. Hyatt Regency Washington on Capitol Hill, Washington, DC (co-authored and co-presented with David Peña-Guzmán).

May, 2016. Presentation about dissent and chimpanzee research ethics on the panel— "Considering the Perspectives of Non-human Animals in Research Ethics." Canadian Bioethics Society 27th Annual Conference. Marriott Downtown Eaton Centre Hotel,

- Toronto, Ontario.
- October 2015. Presentation about dissent and animal research ethics on the panel—“Minding Animals: Ethical Implications for Research.” The American Society for Bioethics and Humanities 17th Annual Meeting. Hilton Americas-Houston, Houston, Texas.
- June, 2015. “Toward Aligning Ethical Frameworks: from the Lab to the Dinner Table.” Philosophical Reflections on Ethical Eating – A Panel. Canadian Philosophical Association. University of Ottawa, Ottawa, Ontario.
- November, 2014. “Looking for Moral Norms in All the Wrong Places.” All Things Great and Small: Interdisciplinary Interspecies Community (conference). University of California – Davis, Davis, California.
- October, 2014. “Bioethics and the market for lemons.” The American Society for Bioethics and Humanities 16th Annual Meeting. Hilton Bayfront, San Diego, California (co-authored with Timothy Krahn and Françoise Baylis; presented by Timothy Krahn).
- June, 2013. “Chimpanzee Knowledge.” Canadian Society for the History and Philosophy of Science. University of Victoria, Victoria, British Columbia.
- October, 2011. “A Tired Impasse: Experimental Science and Chimpanzee Dissent.” Advancing Publicly Engaged Philosophy. Washington Plaza Hotel, Washington, D.C.
- May, 2010. “Chimpanzee knowledge and some implications for analytic naturalized epistemology.” Canadian Society for the History and Philosophy of Science. Concordia University, Montreal, Quebec.
- October, 2009. “‘Sexing the Brain’: Gender and Autism.” The American Society for Bioethics and Humanities 11th annual meeting. Hyatt Regency Washington on Capitol Hill, Washington, D.C. (presented by Timothy Krahn).
- September, 2009. “‘Sexing the brain’: Gender and Autism.” Brain Matters: New Directions in Neuroethics. Dalhousie University, Halifax, Nova Scotia (with Timothy Krahn).
- June, 2008. “Re-conceiving nonhuman animal knowledge through contemporary primate cognitive studies.” Biological Explanations of Behavior: Philosophical Perspectives. Leibniz University of Hannover, Hannover, Germany.
- May, 2006. “Revising our recipe for chimpanzee knowledge.” Canadian Philosophical Association Conference. York University, Toronto, Ontario.
- December, 2000. “Human knowledge as animal knowledge: broadening the community of knowers.” Society for the Study of Ethics and Animals, Eastern Division Conference of the American Philosophical Association. New York Hilton, New York, New York.
- May, 2000. “Human knowledge as animal knowledge: broadening the community of knowers.” Canadian Philosophical Association Conference. University of Alberta, Edmonton, Alberta.
- October, 1999. “Naturalized Epistemology at the end of the 20th Century: Moving beyond human knowing.” Western Canadian Philosophical Association Conference. University of Saskatchewan, Saskatoon, Saskatchewan.
- November, 1998. “On the very idea of a moral ape.” Western Canadian Philosophical Association Conference. University of British Columbia, Vancouver, British Columbia.
- May, 1998. “What is so wrong with Narrow Reflective Equilibrium?” Canadian Philosophical Association Conference. University of Ottawa, Ottawa, Ontario.
- November, 1997. “What is so wrong with Narrow Reflective Equilibrium?” 49th Annual Northwest Conference on Philosophy. Central Washington University, Ellensburg, Washington.

- October, 1997. "Davidson and the problem of other (non-human animal) minds." Western Canadian Philosophical Association Conference. University of Manitoba, Winnipeg, Manitoba.
- May, 1997. "Davidson and the problem of other (non-human animal) minds." 1997 Canadian Graduate Students in Philosophy Conference. University of Alberta, Edmonton, Alberta.

Invited presentations

Conferences/Workshops

- August, 2017. "Chimera Troubles: On a better ethics of human-animal chimera research." The 10th World Congress on Alternatives and Animal Use in the Life Sciences. Seattle, Washington.
- May, 2014. "Willing nonhuman animal research subjects: research ethics and animal cooperation." Animal Philosophy Symposium. University of California – Davis, Davis, California.
- December, 2013. "On solid ground: chimpanzee dissent and trapdoor clauses." Personhood Beyond the Human Conference. Yale University, New Haven, Connecticut.
- July, 2013. "No longer patient: chimpanzees and dissent in some coercive contexts." Animal Studies Symposium: Human relations with other animals: from the home front to the wild side. Dalhousie University/NASCAD University/University of King's College, Halifax, Nova Scotia.
- April, 2013. "Buddhism and Extended Mind Theory: A Lens for an Extended Ethics?" International Workshop: Buddhism and Science. University of Toronto Scarborough, Toronto, Ontario.
- June, 2010. "Prospects and continuing tensions in the ethics of animal research." *Braving the Brain: Ethical Issues in Neuroscience* (symposium). Dalhousie University, Nova Scotia.
- May, 2010. "To catch a lie." *Neuroimaging, Neuroscience and the Law* (workshop). Prince George Hotel, Halifax, Nova Scotia.

Department presentations

- March, 2016. "From Laboratory to Farm: Toward Aligning Ethical Frameworks Concerning Other Animals." Department of Philosophy, Dalhousie University, Halifax, Nova Scotia.
- March, 2011. "Neuroscience and the problem of other animal minds: Why it may not matter so much for bioethics." Department of Philosophy, California State University – Fresno, Fresno, California.
- March 2009. "Re-seeing Autism: Considerations and implications." Department of Bioethics, Dalhousie University, Halifax, Nova Scotia.
- February, 2008. "Naturalized epistemology and contemporary nonhuman primate cognitive studies: On revising our understanding of chimpanzee knowledge." Wells College, Aurora, New York.

Groups/Societies

- March, 2015. "Some animals can refuse to participate in research – why this should be of more concern in animal research ethics." Apeiron Society for the Practice of Philosophy. Calgary, Alberta.
- July, 2011. "Animal minds, animal research ethics and chimpanzee dissent." Animal Studies Group. University of King's College, Halifax, Nova Scotia.

November, 2008. “Buddhism, extended mind and neuroethics.” King’s Eastern Philosophy Discussion Group (sponsored by the King's Residence Leadership Program). University of King’s College, Halifax, Nova Scotia.

Visiting speaker

April, 2015. “Toward a Critical Buddhist Neuroethics: The Case of Pharmaceutical Cognitive Enhancement.” Smith College, Northampton, Massachusetts.

January, 2013. “Can a chimp say ‘No’?” Animals and Animality Lecture Series. University of King’s College, Halifax, Nova Scotia.

November 2009. “Confucius, Wang Yang-ming, and a Non-anthropocentric Bio-ethics.” Chinese Studies Speakers Series. Dalhousie University, Halifax, Nova Scotia.

March, 2007. “Buddhism and the ethics of pharmaceutical cognitive enhancement.” Cape Breton University, Sydney, Nova Scotia.

January, 2007. “Being religious and engaging in the public sphere in Canada.” Crosscurrents Seminar Series (sponsored by the Dalhousie Institute on Society and Culture). Dalhousie University, Halifax, Nova Scotia.

Other presentations

Conferences/workshops

October, 2019. “Humane Driving: Automatic Driving While Minding Other Animals.” Canadian Animal Law Conference. Dalhousie University, Halifax, Nova Scotia.

October, 2018. “Decisional capacities in chimpanzees.” Atlantic Region Philosophers Association. St. Francis Xavier University, Antigonish, Nova Scotia.

May, 2018. Commentary on “Relational Value, Territorial Rights, and Climate Change” by J. Szende. “Shaping a More Just Bioethics: A Celebration of the Work of Susan Sherwin.” Part of the 200th anniversary celebrations for Dalhousie University, Halifax, Nova Scotia.

January, 2018. “Co-Creating Decisional Authority in Compromised Spaces.” 4th Minding Animals Conference. Universidad Nacional Autónoma de México, Mexico City, Mexico.

October, 2017. “Buddhism and Animal Research Ethics: Beyond Abolitionism.” Atlantic Region Philosophers Association. Saint Mary’s University, Halifax, Nova Scotia.

October, 2016. “From farm to laboratory: Toward aligning ethical frameworks.” Atlantic Region Philosophers Association. Acadia University, Wolfville, Nova Scotia.

July, 2015. “Looking for moral norms in all the wrong places? On the nature and significance of nonhuman animal ‘entangled normativity’.” International Society for the History, Philosophy, and Social Studies of Biology. L’Université du Québec à Montréal, Montréal, Québec.

June, 2015. “On neurodiversity.” A panel discussion of pediatric neurosurgery and Tourette’s Syndrome. Neuroethics Network. L’Institut du Cerveau et de la Moelle Épinrière, CHU Pitié-Salpêtrière, Paris, France.

July, 2011. “Neuroscience and the Problem of Other Animal Minds: Why It May Not Matter as Much as Some think.” International Society for the History, Philosophy, and Social Studies of Biology. University of Utah, Salt Lake City, Utah.

December, 2010. Commentary on “Meditation on Dependent Origination” by Ven. Khenpo Ngawang Jorden. International Conference on Science, Spirituality and Education. Hosted by the Government of Sikkim, Gangtok, India.

- October, 2010. "Chimpanzee Knowledge and Naturalized Social Epistemology." Atlantic Region Philosophers Association. University of King's College, Halifax, Nova Scotia.
- October, 2008. "On the improbable future of neuropolitical imaging." Co-presented with Letitia Meynell. Atlantic Region Philosophers Association. St. Francis Xavier University, Antigonish, Nova Scotia.
- February, 2003. "Exclusivism, deductive closure and a paradox of epistemological pluralism." Annual Symposium on the Philosophy of Religion. University of Western Ontario and King's College, London, Ontario.
- January, 2003. "A much needed addition to the philosopher's tool-box: On how to show Biblical Literalists that they can be both pro and anti-lesbian or gay." The Gender and Society Worksho. The University of Western Ontario, London, Ontario.
- July, 2001. "Knowing me and knowing ewe: Towards better accommodating nonhuman knowledge." International Society for the History, Philosophy, and Social Studies of Biology. Quinnipiac University, Hamden, Connecticut.
- June, 1999. Commentary on "Understanding our Attitude toward the Motivation of Trusted Others" by C. McLeod. Canadian Philosophical Association Conference. Universite de Sherbrooke, Sherbrooke, Québec.
- March, 1999. Commentary on "Is There a Real Self? Embodiment, Agency, and Experiential Unity" by R. Ellis. Mid-South Philosophy Conference. University of Memphis, Memphis, Tennessee.

Department presentations

- March, 2018. "Why Tommy and Kiko Deserve Habeas Corpus Relief" (a presentation of "Chimpanzee Personhood: The Philosophers' Brief" (co-presented with Letitia Meynell)). Department of Philosophy, Dalhousie University, Halifax, Nova Scotia.
- November, 2017. "Buddhism and animal research ethics: beyond abolitionism." Department of Philosophy, Dalhousie University, Halifax, Nova Scotia.
- November, 2017. "Opening Up Philosophy in Western Universities" – a panel discussion (with Tiffany Gordon, Chike Jeffers, Sundar Sarukkai). Department of Philosophy, Dalhousie University, Halifax, Nova Scotia.
- June, 2014. "Willing nonhuman animal research subjects: research ethics and animal cooperation." Department of Philosophy, Dalhousie University, Halifax, Nova Scotia.
- September, 2013. "No longer patient: chimpanzees and dissent in some coercive contexts." Department of Philosophy, California State University – Fresno, Fresno, California.
- January, 2012. "On the need to redress an inadequacy in animal welfare science: toward an internally coherent framework." Department of Philosophy, Dalhousie University, Halifax, Nova Scotia.
- November, 2006. "Chimera Research and Stem Cell Therapies for Human Neurodegenerative Disorders." Department of Philosophy, Dalhousie University, Halifax, Nova Scotia (with Françoise Baylis)
- December, 2005. "Revising our recipe for chimpanzee knowledge - We need a tad more *yang* and a tad less *yin*." Department of Philosophy, Dalhousie University, Halifax, Nova Scotia.

Groups/Societies

- June, 1999. "On the Very Idea of a Moral Ape." The Biology and Philosophy of Evolution

Discussion Group, University of Western Ontario, London, Ontario.

Moderated discussions/panels

- January-February, 2018. Ethicist and Philosopher for a film and panel series, “Pushing Boundaries: A film series with expert-led panel discussions about what we owe other animals.” Halifax Central Public Library, Halifax, Nova Scotia.
- October, 2017. Discussion facilitator: Bioethics and Biopolitics Workshop. ReNewZoo annual student's symposium, Marriott Hotel, Ottawa, ON (discussion leader, Gillian Crozier (Laurentian University)) (invited).
- September, 2017. Discussion facilitator: 2 concurrent sessions on Ethics in Zoos (discussion leader, Gillian Crozier (Laurentian University)). Annual meeting of Canada's Accredited Zoos and Aquariums (CAZA), Marriott Hotel, Ottawa, ON (invited).
- February, 2017. Discussant (interlocutor with a speaker), “I am NOT an animal: The signature cry of our species” symposium. Emory University, Atlanta, Georgia (invited).
- January, 2017. Panel moderator, “‘Fixing’ the Human Genome, Promises and Pitfalls: What can we do, what should we do?” Café Scientifique, Just Us! Coffeehouse, Halifax, Nova Scotia (invited).
- July, 2016. Discussion moderator, ‘Political Animals Panel.’ Halifax Central Public Library, Halifax, Nova Scotia (invited).
- May, 2014. Discussion moderator, “Xenotransplantation: The International Debate.” Novel Tech Ethics’ ‘Exploring Ethics Through Film’ series. Halifax Public Library, Halifax, Nova Scotia (invited).
- April, 2011. Ethicist and Philosopher for a film and panel discussion, “Friends, Enemies and Asperger’s Syndrome.” Viewfinders: International Film Festival for Youth. Empire Theatres Dartmouth Crossing, Dartmouth, Nova Scotia (invited).
- January, 2011. Philosopher for a Novel Tech Ethics film and panel discussion. Dalhousie University, Halifax, Nova Scotia (invited).
- January-February, 2010. Ethicist for a Novel Tech Ethics 4 part film and panel discussion series. Halifax Infirmary, Halifax, Nova Scotia (invited).
- April, 2009. Neuroethicist and philosopher for a panel discussion on autism, employment, independence and autonomy at the Autistic Self-Advocacy Conference: Real People Living Real Lives. Halifax, Nova Scotia (invited).
- February, 2009 (two evenings). Neuroethicist for a Canadian Institutes of Health Research Café Scientifique—“Autism: Research Priorities and the Public Purse.” Halifax, Nova Scotia.
- March, 2008. Bioethicist for a Novel Tech Ethics film screening and panel discussion of Oliver Sacks’s *Rage for Order: Autism*. Halifax Infirmary, Halifax, Nova Scotia (invited).

Posters

- June, 2009. “Justice and Autism: Research Priorities and Public Service Supports.” Co-authored with Timothy Krahn. 20th Canadian Bioethics Society Annual Conference, Hamilton, Ontario (peer-reviewed).
- November, 2008. “Novel Neurotechnologies in Film.” Co-authored with Timothy Krahn (primary author) and Letitia Meynell. Neuroethics Society, Washington D.C. (peer-reviewed).
- October, 2008. “Ethical challenges and interpretive difficulties with non-clinical applications of pediatric fMRI.” Co-authored with Françoise Baylis and Letitia Meynell. National Research Council Institute for Biodiagnostics (Atlantic)’s Advances in Biomedical

Imaging Symposium (Poster Session), Halifax, Nova Scotia.
October, 2008. “Neuroethics Considerations and *Minority Report*.” Co-authored with Timothy Krahn (primary author) and Letitia Meynell. National Research Council Institute for Biodiagnostics (Atlantic)’s Advances in Biomedical Imaging Symposium (Poster Session), Halifax, Nova Scotia.

Teaching Experience

2016-present – Dalhousie U.

Phil 2810 (**Ethics and Health Care: Social Policy**) Department of Philosophy, Winter, 2019; 20.

Hesa 6100 (**Ethical Decisions in Health Administration**) Health Administration, Fall, 2018.

Phil 2680 (**Ethics in Science**) Department of Philosophy, Winter, 2017; Fall, 2018.

Phil 3106 (**Animal Ethics**) Department of Philosophy, Winter, 2018; Fall, 2019.

Phil 4980/5980 (**Philosophy of Animal Minds** [reading course]) Department of Philosophy, Fall, 2017 (co-taught).

Phil 2205/Rels 2205 (**Philosophy of Religion**) Department of Philosophy, Fall, 2017.

Phil 4220/5220 (**Work in Critical Animal Philosophy** [senior seminar and graduate course]) Department of Philosophy, Fall, 2016.

Phil 5980 (**Philosophy of Animal Behaviour and Cognition** [reading course]) Department of Philosophy, Fall, 2019.

2011-2016 – CSU-Fresno

Phil 130 (**Philosophy of Religion**) Department of Philosophy, California State University – Fresno; Fall, 2012; Spring, 2016.

Phil 123 (**Bioethics**) Department of Philosophy, California State University – Fresno; Spring, 2013; 2015; 2016.

Phil 120 (**Contemporary Conflicts of Morals**) Department of Philosophy, California State University – Fresno; Fall, 2011 (3 sections); Spring, 2012 (2 sections); Fall, 2012 (3 sections); Fall, 2013 (3 sections); Spring, 2015 (3 sections); Fall, 2015 (2 sections); Spring, 2016 (2 sections).

Phil 170T (**Minding Animals: Exploring philosophical issues surrounding the human use of other animals** [senior seminar]) Department of Philosophy, California State University – Fresno; Spring, 2012; Fall, 2015.

Phil 192 (**Directed Reading: Philosophy of Autism**) Department of Philosophy, California State University – Fresno; Spring, 2015.

Phil 192 (**Directed Reading: Animal Ethics**) Department of Philosophy, California State University – Fresno; Fall, 2012; Spring, 2013.

Phil 20 (**Moral Questions**) Department of Philosophy, California State University – Fresno; Spring, 2013 (3 sections).

1999-2008 (pre-CSU-Fresno)

COMR 2012 (**Chinese and Japanese Religions**) Department of Comparative Religion, Dalhousie University; Winter, 2006; 2007; 2008.

Philosophy 3404 (**Theory of Knowledge: Foundations**) Department of Philosophy, Saint Mary’s University; Fall, 2005.

Philosophy 1010 (**Introduction to Philosophy**) Department of Philosophy, Dalhousie University; Winter, 2005.

Philosophy 020 (**Introduction to Philosophy**) Department of Philosophy, University of Western Ontario; Summer, 2003.

Philosophy 154E.650 (**Asian Philosophies**). Distance Studies, University of Western Ontario; Fall and Winter, 2002-2003, 2003-04.

Women's Studies 345F (**Women and World Religions**). The Centre for Women's Studies and Feminist Research, University of Western Ontario; Fall, 2002.

PHIL 249 (**Ethics**). Department of Philosophy, University of Calgary; Spring, 2002.

Philosophy 154E (**Asian Philosophies**). Department of Philosophy, University of Western Ontario; Fall and Winter, 2001-2002; 2002-2003; 2003-04.

PHIL 347 (**Contemporary Moral Problems**). Department of Philosophy, University of Calgary; Fall, 2000.

PHIL 331 (**Philosophy of Religion**). Department of Philosophy, University of Calgary; Spring, 2000.

PHIL 275 (**Introductory Logic**). Department of Philosophy, University of Calgary; Fall, 1999.

Course creation/revision

Philosophy 154E.650 (**Asian Philosophies**). Distance Studies, University of Western Ontario, Spring 2004.

The course revision for Philosophy 154E.650 was extensive. The audio lectures were replaced by my own online lectures covering Hinduism (early Hindu thought and some medieval Hindu philosophy), Buddhism (both basic Theravada and Mahayana thought), early Confucianism, early or philosophical Taoism and some Chinese and Japanese martial philosophy. I revised the course syllabus and supporting pages, replaced the essay topics, and provided online instructions for new instructors.

Other

Academic Convener, "Self and World: Global Perspectives." Burnside Humanities Program, Dalhousie University; Summer, 2017.

This was a world philosophy course, created under the guidance of Harry Critchley (Program Organizer for Burnside Humanities), for interested male members of the incarcerated population at the Central Nova Scotia Correctional Facility in Dartmouth, NS. My responsibilities included arranging for lecturers and organizing the schedule. Seven academic philosophers, other than myself, each lead a class discussion of readings. I lead the first and last class discussion in the series (which met twice a week for four weeks).

Examiner/Supervisor/Thesis Reader

PhD level:

Supervisor. Erik Nelson (PhD Student, Philosophy).

Member of the Interdisciplinary PhD supervisory committee. Caitlin Cunningham (IDPhD student). Karen Beazley, supervisor.

Member of the Interdisciplinary PhD supervisory committee. Laura Kiiroja (IDPhD student). Simon Gadbois, supervisor.

External examiner, "How Prejudice Affects the Study of Animal Minds." PhD dissertation.

Authored by Ashley Keefner. Department of Philosophy, University of Waterloo, 2017.

MA level:

Second Reader, “An Interest-Based Account of Police Service Dog Labour Rights.” Master’s Thesis. Authored by Oliver Boettcher. Department of Philosophy, Dalhousie University, 2018.

Second Reader, “‘The Taming of Savagery’: Kantian Perspectives on Animal Embodiment and Human Dignity.” Master’s Thesis. Authored by Andrew Lopez. Department of Philosophy, Dalhousie University, 2017.

Third Reader, “Gods and Invisible Rabbits: How Not to Justify Religion.” Master’s Thesis. Authored by Tessa Bruce-Brown. Department of Philosophy, Dalhousie University, 2009.

Second Reader, “Animal Rights and Wrongs: A Critique of Singer and Regan’s Views of Duties to Animals.” Master’s Thesis. Authored by Thomas Leenders. Department of Philosophy, Dalhousie University, 2005.

BA (hons) level:

Supervisor, “Motivating Sustainable Dietary Choices with Self-interest: Rule Ethical Egoism, Animal Agriculture, and Food Insecurity.” Honours Thesis. Authored by Margaret Pettipas. Department of Philosophy, Dalhousie University, 2018.

Professional Service

Ad Hoc Grant review

2017: Social Sciences and Humanities Research Council of Canada (standard research grant).

2011: Social Sciences and Humanities Research Council of Canada (standard research grant).

Ad Hoc Manuscript review

2020: *Journal of Consciousness Studies; Laboratory Animals*; Oxford University Press.

2019: Cambridge University Press; Routledge.

2018: *CAB Reviews; Journal of Applied Animal Ethics Research*.

2017: *Animal Studies Journal*.

2014: Oxford University Press.

2011: MIT Press.

2009: *Hypatia*.

2009: *Current Oncology*.

2008-09: *Bioethics*.

2008: *American Journal of Bioethics*.

Committee Work

2019-present: Faculty of Arts and Social Sciences Nominating Committee.

2018-present: A Canadian Council on Animal Care subcommittee.

2017-2019: Faculty of Arts and Social Sciences Honorary Degrees Committee.

2016-present: PhD Comprehensive Examination Committee member (Areas – Ethics/Social and Political; Epistemology; Philosophy of Mind), Department of Philosophy, Dalhousie University.

2016-present: Dalhousie Undergraduate Philosophy Society faculty advisor, Department of Philosophy, Dalhousie University.

Winter, 2017: Medical Sciences Program Committee, Dalhousie University (term replacement for a colleague on maternity leave).

2016; 2017: Member of the adjudication committee for the Douglas Butler Memorial Prize for the best M.A. student essay.

2015-2016: Philosophy Department Search Committee, California State University – Fresno.

2015-2016: College of Arts and Humanities Curriculum Committee, California State University – Fresno.

2015-2016: Officer At-Large, Untenured Faculty Organization, California State University – Fresno.

2012-2013: Professional Activities Chair, Untenured Faculty Organization, California State University – Fresno.

2012-2013: Center for Creativity and the Arts, California State University – Fresno.

2012-2013: College of Arts and Humanities Executive Committee, California State University – Fresno.

2012-2013: Chair, Philosophy Department Search Committee, California State University – Fresno.

2011-2012: Historian Reporter, Untenured Faculty Organization, California State University – Fresno.

Conference/symposium referee

2018: Canadian Philosophical Association Conference.

2009: Brain Matters: New Directions in Neuroethics. Dalhousie University, Halifax, Nova Scotia.

2006: Western Canadian Philosophical Association Conference.

2005: Canadian Society of Women in Philosophy.

2005: Canadian Philosophical Association Conference.

2002: Canadian Philosophical Association Conference.

1999: Canadian Philosophical Association Conference.

1999: Gender Research Symposium.

1997: Gender Research Symposium.

Media interviews/Podcasts

Interviewed by Kathryn Sussman for the *Now You Know* podcast series, Episode 4, July 2nd, 2019. Concerns the ethics of zoos. (An uncut version of the interview appeared on the *Now You Know* website on March 28th, 2019.)

Interviewed by Scott Thompson for *The Scott Thompson Show*, April 15th, 2019. Concerns the MCPH1 study in China using a small number of rhesus macaques, as reported on March 27th, 2019.

Interviewed by Aaron Beswick for *The Chronicle Herald*, March 18th, 2019. Concerns Peter Singer’s invitation to be a keynote speaker at a Dalhousie University animal law conference in the Fall, 2019.

Interviewed by Lina Zeldovich for *Hakai Magazine*, February 5th, 2019. Concerns the US Navy’s use of dolphins.

Interviewed by Stuart Peddle for *The Chronicle Herald*, May 13th, 2018. Concerns Judge Eugene Fahey’s concurring opinion on the Nonhuman Rights Project’s motion to the New York Court of Appeals.

Interviewed by Gene Valaitis for *Roundhouse Radio* (98.3 FM), May 2nd, 2018. Concerns “Chimpanzee Personhood: The Philosophers’ Brief,” an amicus brief which was submitted to the New York Court of Appeals in February, 2018.

Interviewed by Kristy Cameron for *The Weekend Newsfeed with Kristy Cameron* (580 CFRA News Talk Radio), April 29th, 2018. Concerns “Chimpanzee Personhood: The Philosophers’ Brief.”

Interviewed by Sheldon MacLeod for *The Sheldon MacLeod Show* (News 95.7), April 26th, 2018. Concerns “Chimpanzee Personhood: The Philosophers’ Brief.”

Interviewed by Ron Shaw for CTV News (appears in two versions): “Dalhousie professors say chimpanzees should have rights,” April 25th and “‘It’s an injustice’: Canadian profs join fight to have chimps declared persons,” April 26th, 2018. Concerns “Chimpanzee Personhood: The Philosophers’ Brief.”

“Dal philosophers join cause for chimpanzee rights.” Interviewed by Stuart Peddle for *The Chronicle Herald*, April 25th, 2018. Concerns “Chimpanzee Personhood: The Philosophers’ Brief.”

“Dalhousie professors join cause to help chimpanzees.” This is a repost of Stuart Peddle’s interview for the *Truro Daily*, April 25th, 2018. Concerns “Chimpanzee Personhood: The Philosophers’ Brief.”

“Animal Advocates and Academics Seek Personhood Rights for Chimpanzees.” Interviewed by Jen Viegas for *Seeker*, April 20th, 2018. Concerns “Chimpanzee Personhood: The Philosophers’ Brief.”

“Professor thinks chimpanzees should be legally considered people.” Interviewed by Sarah Jackson for *Washington Square News*, April 16th, 2018. Concerns “Chimpanzee Personhood: The Philosophers’ Brief.”

“Friends of the court—and of chimps.” Interviewed by Cherry Au for *Dal News*, April 6th, 2018. Concerns “Chimpanzee Personhood: The Philosophers’ Brief,” an amicus brief which was submitted to the New York Court of Appeals in February, 2018. Concerns “Chimpanzee Personhood: The Philosophers’ Brief.”

Interviewed by Andrew Fiala about the ethics of cockfighting in the Central Valley, California. Appeared in *Frenso Bee*, July 14th, 2012.

Interviewed by Pauline Dakin about the PTCHD1 genetic screen for autism. Aired as part of the story about the screening technology on the Canadian Broadcasting Corporation’s *The World At Six*, September 15th, 2010.

“Buddhism and Cognitive Enhancement.” A 2 part interview by James Hughes. *Changesurfer Radio*, November 14th, 2009 and February 13th, 2010.

“Ethics must keep pace with brain imaging.” Interviewed by Stuart Laidlaw. *Toronto Star*, January 13, 2009. Concerns a co-authored paper on pediatric fMRI.

Organizing Committee Member/Co-organizer

2018: Organizing committee member, “Shaping a More Just Bioethics: A Celebration of the Work of Susan Sherwin,” part of the 200th anniversary celebrations for Dalhousie University, Halifax, Nova Scotia.

2017-18: Co-organizer, “Pushing Boundaries” film panel series (Royal Society of Canada, Atlantic Open Academy events), Halifax, Nova Scotia.

2016: Organizing committee member, “Political Animals Panel” (Royal Society of Canada, Atlantic Open Academy event), Halifax, Nova Scotia.

2013: Organizing committee member, Animal Studies Public Symposium and Workshop (“Human relations with other animals: from the home front to the wild side”), Dalhousie University/NASCAD University/University of King’s College, Halifax, Nova Scotia.

2012: Local co-organizer, 9th Biennial Meeting of The International Society for the History of

- Philosophy of Science (HOPOS), Dalhousie University/University of King's College/Saint Mary's University/Cape Breton University/HOPOS, Halifax, Nova Scotia.
- 2010-2012: Area Coordinator (Epistemology [2011-2012], Non-Western submissions [2010-2012], Philosophy of Religion [2010-2012]), Program Committee Member, Canadian Philosophical Association.
- 2011: Co-organizer, "Novel Tech Ethics Neuroethics mini-symposium", Department of Bioethics (Novel Tech Ethics), Dalhousie University, Halifax, Nova Scotia.
- 2011: Co-organizer, "Bioethics in the City II", Department of Bioethics (Novel Tech Ethics), Dalhousie University, Halifax, Nova Scotia.
- 2010: Situating Science Atlantic Node's Science Fiction Movie and Panel Discussion Series. Dalhousie University, Halifax, Nova Scotia.
- 2010: "Healthy Research? The Implications of Pharmaceutical Industry Influence from the Laboratory to the Marketplace." University of King's College, Halifax, Nova Scotia.
- 2009-10: Circulating Knowledge East and West Conference. University of King's College, Halifax, Nova Scotia.
- 1999: Gender Research Symposium. University of Calgary, Calgary, Alberta.
- 1998: Canadian Society of Women in Philosophy Conference. University of Calgary, Calgary, Alberta.
- 1998: Gender Research Symposium. University of Calgary, Calgary, Alberta.
- 1997: Gender Research Symposium. University of Calgary, Calgary, Alberta.

Academic or Professional Memberships

Halifax Animal Studies Group (coordinator since 2014).

GZJ KDK'8"

Tyler M. John, *Curriculum Vitae*

CONTACT INFORMATION	106 Somerset St, Fl 5 New Brunswick, NJ 08901	Phone: +1 (610) 247-0179 Email: tyler.john@rutgers.edu
EDUCATION	Rutgers University, New Brunswick Ph.D., Philosophy	2016 – Present
	Cedarville University B.A., Philosophy, <i>magna cum laude</i> Minors in Bioethics, Honors, Religion	2010 – 2014
SPECIALIZATION	Moral and Political Philosophy, Bioethics, Applied Ethics	
COMPETENCE	Animal Ethics, Chinese Philosophy, Philosophy of Disability, Feminist Philosophy, Philosophical Psychology, Philosophy of Religion	
APPOINTMENTS	Oxford University Visiting Researcher, Faculty of Philosophy (Global Priorities Institute) Supervisor: William MacAskill	2018, 2019
	Australian National University Visiting Researcher, Department of Philosophy Supervisor: Christian Barry	2018
	National Institutes of Health Clinical Center Fellow, Department of Bioethics Advisors: Joseph Millum and David Wasserman	2014 – 2016
PUBLICATIONS	“Enfranchising the Young, and Other Attempts to Secure Intergenerational Justice,” <i>Ageing without Ageism? Conceptual Puzzles and Policy Proposals</i> , eds. Greg Bognar and Axel Gosseries (Oxford University Press)	Forthcoming
	“Longtermist Institutional Reform,” with William MacAskill, in Untitled Effective Giving Collection (FIRST)	Forthcoming
	“Consequentialism and Nonhuman Animals,” with Jeff Sebo, in <i>The Oxford Handbook of Consequentialism</i> , ed. Douglas Portmore (Oxford University Press)	Forthcoming
	“Neuroethics and Animals: Report and Recommendations” with Adam Shriver, <i>The ILAR Journal</i>	Forthcoming
	“First-come, First-served?” with Joseph Millum, <i>Ethics</i>	2020

	<i>Chimpanzee Rights: The Philosophers' Brief</i> , with Kristin Andrews, Sue Donaldson, Will Kymlicka, Jeff Sebo, <i>et al.</i> (Routledge)	2018
	"How to Allocate Scarce Health Resources without Discriminating against People with Disabilities" with Joseph Millum and David Wasserman, <i>Economics and Philosophy</i>	2017
	"In Defense of Animal Universalism," with Shawn Graves and Blake Hereth, in <i>Paradise Understood: New Philosophical Essays about Heaven</i> , eds. Ryan Beyerly and Eric Silverman (Oxford University Press)	2017
PEER-REVIEWED PRESENTATIONS	"Representing Future Generations" Effective Altruism Global Virtual	March 2020
	"Reasons in the Grips of Paws and Claws" APA Central Division Meeting, Chicago	February 2020
	"Be Nice!: A Theory of Just Social Norms" Rocky Mountain Ethics Congress, Boulder	August 2019
	"Social Norm Legitimacy" Australasian Association of Philosophy, Wellington, NZ	July 2018
	"Moral Offsetting" Rocky Mountain Ethics Congress, Boulder	August 2017
	"Moral Offsetting" The Ethics of Giving Conference, St. Andrews	May 2017
	"First-come, First-served?" American Society for Bioethics and Humanities, Washington, DC	October 2016
	"Aggregation, Relevant Claims, and Borderline Cases" APA Central Division Meeting, Chicago	March 2016
	"How to Allocate Scarce Health Resources without Discriminating against People with Disabilities" American Society for Bioethics and Humanities, Houston	October 2015
	"The Compossibility of (Open) Theism and Pointless Evils" Society of Christian Philosophers Eastern, Niagara, NY	November 2014
	"Can God Really Change God's Mind?: A Topography of Omniscient Agent Knowledge" The Randomness and Foreknowledge Conference, Dallas	October 2014
	"Luther's Existential Imago Dei and the Deprivation Thesis" Society of Christian Philosophers Mountain-Pacific, Helena	April 2014
	"God, Incarnation, and Freedom: A Case for Divine Temporality" Oxford Symposium on Religious Studies, Oxford	December 2013

	<p>“The Contemporary God: A Case for Divine Temporality” Society of Christian Philosophers Eastern, Tampa</p>	October 2013
INVITED TALKS	<p>“On the Fundamental Normative Ethics of the Mohists” APA Eastern Division Meeting, New York</p>	January 2021
	<p>“Representing Future Generations” Harvard Agathon Dinner, Graduate School of Arts and Science</p>	April 2020
	<p>“Longtermist Institutional Reform” Brown University Effective Altruism, Providence</p>	October 2019
	<p>Commentary on Molly Gardner Workshop on Utilitarian Approaches in Animal Ethics, Oxford</p>	September 2019
	<p>“Moral Responsibility, Character, and Community in Nonhuman Animals” Commentary on Paul Carron, Society for the Study of Ethics and Animals, Boulder</p>	August 2019
	<p>“Animal Advocacy: The Long View” Columbia University Effective Altruism</p>	November 2018
	<p>“Connections Between Oppressions” NYU Ethics and Animals (ANST 400)</p>	October 2018
	<p>“Moral Offsetting” University of Melbourne</p>	August 2018
	<p>“Shaping the Far Future with Personhood Initiatives” Effective Altruism Global, San Francisco</p>	June 2018
	<p>“Lessons from Effective Altruism for Food Advocacy” Food Thinkers Lunch Linacre College, University of Oxford</p>	May 2018
	<p>“Distributive Justice and Disability” Rutgers Robert Wood Johnson Medical School</p>	April 2018
	<p>“Interdisciplinary Panel on Food Ethics” with Peter Singer, Rachael Schwom, Adam Shriver, and Nicola Behrmann, New Brunswick</p>	December 2017
	<p>“Unlocking the Cage: Screening and Discussion” with Syd Johnson, Andrew Fenton, and Hope Ferdowsian American Society of Bioethics and Humanities, Kansas City</p>	October 2017
	<p>“Cost-effectiveness Analysis and Animals” Commentary on Govind Persad, Society for the Study of Ethics and Animals</p>	August 2017

“What is there to Hope For?” Commentary on Michael Rabenberg, APA Eastern Division Meeting, Baltimore	January 2017
“First-come, First-served?” Mid Atlantic Bioethics Fellows Symposium, Philadelphia	April 2016
“Distributive Justice” University of Mississippi Biomedical Ethics (PHIL 328)	January 2016
“Separating Health Care Financing from Health Care Use” Commentary on Govind Persad, APA Eastern Division Meeting, Washington, DC	January 2016
“The QALY Trap and Disability Discrimination” Priorities in Global Health 2020 workshop, Washington, DC	April 2015

TEACHING

Rutgers University, New Brunswick	
Phil 140: Chinese Philosophy	Spring 2020
Phil 329: Minds, Machines, and Persons	Fall 2019
Phil 105: Current Moral and Social Issues	Spring 2019
Phil 103: Introduction to Philosophy	Fall 2018

ACADEMIC SERVICE

Rutgers University	
Organizer, Graduate Student Talks	2016 – Present
Organizer, Value Theory Reading Group	2017 – 2019
Organizer, Alvin Goldman Retirement Conference	2018
American Society of Bioethics and Humanities	
Co-Chair, Animal Bioethics Affinity Group	2017 – 2019
PhilPapers	
Assistant Editor, Biomedical Ethics	2016 – 2019
<i>Food, Animals, and the Environment: An Ethical Approach</i> Christopher Schlottman and Jeff Sebo Research Assistant	2018
Dept. of Bioethics, National Institutes of Health	
Bioethics Consultation Service Member	2014 – 2016
Clinical Center Ethics Committee Member	2014 – 2016
Undiagnosed Diseases Program Rounds Participant	2014 – 2015
Psychiatry Rounds Participant	2014 – 2015
Peer Reviews	
<i>Analysis</i> x1	<i>Australasian Journal of Philosophy</i> x1
<i>Bioethics</i> x1	<i>Bloomsbury Publishing</i> x1
<i>Journal of Ethics</i> x1	<i>Philosophy & Technology</i> x1

PUBLIC SERVICE

Board of Directors, FaunAccion Mexican animal rights organization providing training and education to activists and citizens from an antispeciesist and interconnected theoretical framework and praxis.	2019 – Present
Effective Altruism Global Expert Advisory Board Consultant for multiple annual Effective Altruism Global international conferences	2017 – Present
Animal Charity Evaluators External Reviewer for research content	2017 – Present
Co-Founder, Philosophers Against Bad Things Annual philosophers’ fundraiser for effective charity In December 2017, thirty-eight philosophy departments participated; raised \$52,785 for The Humane League In December 2016, twenty-five philosophy departments participated; raised \$57,496 for Against Malaria Foundation	2016 – 2018
Founder, President, Giving What We Can: DC Society dedicated to identifying and promoting non-profit organizations that most effectively fight extreme poverty Co-hosted Peter Singer talk: “The Most Good You Can Do”, GW Lisner Auditorium; live audience: 1,500, online audience: 30,000	2015 – 2016
Volunteer, Oxfam Action Corps DC group focused on lobbying and outreach to fight extreme poverty and climate change Co-organized International Women’s Day Oxfam Slam, art expo featuring women artists; 155 attendees	2015 – 2016

AWARDS

Global Priorities Fellowship Forethought Foundation for Global Priorities Research	2019 – Present
Graduate Mentor Fellowship Rutgers University Honors College	2019 – Present
Presidential Fellowship Rutgers University, one of ten awarded university-wide to outstanding doctoral students	2016 – 2021
Young Ethicist Prize Rocky Mountain Ethics Congress Co-recipient with Amanda Askeff for “Moral Offsetting”	2017
Intramural Research Training Award Fellowship NIH Clinical Center Two-year fellowship with stipend	2014 – 2016
Philosophy of Paradise Essay Contest “In Defense of Animal Universalism” selected for publication in <i>Philosophy of Paradise: New Essays</i>	2015

REFERENCES

Alex Guerrero, Ph.D.
Henry Rutgers Term Chair and Associate Professor of Philosophy, Rutgers University
alex.guerrero@rutgers.edu

William MacAskill, Ph.D.
Associate Professor, Oxford University
william.macaskill@philosophy.ox.ac.uk

Larry Temkin, Ph.D.
Distinguished Professor, Rutgers University
temkinlarry@gmail.com

Holly Smith, Ph.D.
Distinguished Professor, Rutgers University
hsmith@philosophy.rutgers.edu

Jeff Sebo, Ph.D.
Clinical Assistant Professor of Environmental Studies,
Director of the Animal Studies M.A. Program, NYU
jeffsebo@nyu.edu

Joseph Millum, Ph.D.
Head, Unit on International Health Policy
Clinical Center Dept. of Bioethics & Fogarty International Center, NIH
joseph.millum@nih.gov

David T. Wasserman, J.D., M.A. (Psychology)
Visiting Scholar, Clinical Center Dept. of Bioethics, NIH
david.wasserman@nih.gov

GZJ KDK'9"

CURRICULUM VITAE

L. SYD M JOHNSON

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Center for Bioethics and Humanities
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ACADEMIC APPOINTMENTS

- 2020 - pres Associate Professor, Center for Bioethics and Humanities, Upstate Medical University, Syracuse, New York
- 2019 - 2020 Assistant Professor, Center for Bioethics and Humanities, Upstate Medical University, Syracuse, New York
- 2017 - 2019 Associate Professor of Philosophy & Bioethics, Department of Humanities; Affiliate Associate Professor, Department of Kinesiology & Integrative Physiology, Michigan Technological University, Houghton, Michigan
- 2017 - 2019 Coordinator and Faculty Advisor, Bioethics Minor Program, Department of Humanities, Michigan Technological University
- 2011- 2017 Assistant Professor of Philosophy & Bioethics, Department of Humanities; Affiliate Assistant Professor, Department of Kinesiology & Integrative Physiology, Michigan Technological University
- 2005-2009 Adjunct Lecturer, Philosophy Department, State University of New York at New Paltz, New Paltz, New York
- 2000-2003 Adjunct Professor, Department of Philosophy and Religious Studies, Mount Saint Mary College, Newburgh, New York

EDUCATION

- Post-doctoral Research Fellow in Neuroethics**, Novel Tech Ethics, Faculty of Medicine, Dalhousie University, Halifax, Nova Scotia. 2009-2011.
- Ph.D, Philosophy**. University at Albany, State University of New York, 2009.
- MA, Philosophy**. University at Albany, State University of New York. 2002.
- BA, Film**. Bard College, Annandale-on-Hudson, NY. 1987.

PUBLICATIONS

Peer-reviewed Journal Articles

2020. **Johnson, LSM**. The Road Not Mapped: The Neuroethics Roadmap on Research with Nonhuman Primates. *AJOB Neuroscience*. (in press)

2020. **Johnson, LSM** and K. Cerminara. All Things Considered: Surrogate Decision-making on Behalf of Patients in the MCS. *Clinical Ethics* 2020 (online 5/27/2020 DOI: 10.1177/1477750920927177)
2020. Ferdowsian, H., **Johnson, LSM.**, Johnson, J., Fenton, A., Shriver, A., and Gluck, J. A Belmont Report for Animals? *Cambridge Quarterly of Healthcare Ethics* 2020; 29(1): 19-37
2019. Ramos, K., Grady, C., Greely, HT., Chiong, W., Eberwine, J., Farahany, N., **Johnson, LSM.**, Hyman, BT., Hyman, SE., Rommelfanger, KS., Serrano, E., Churchill, J., Gordon, J., and Koroshetz, WJ. The NIH BRAIN Initiative: Integrating Neuroethics and Neuroscience. *Neuron* 2019; 101(3): P394-398.
2018. Greely, H., Grady, C., Ramos, K., Chiong, W., Eberwine, J. Farahany, N., **Johnson, LSM,** Hyman, B., Hyman, S., Rommelfanger, K.S., and Serrano, E., The Neuroethics Working Group. Neuroethics Guiding Principles for the NIH BRAIN Initiative. *The Journal of Neuroscience* 2018; 38(50): 10586-10588
2018. Amadio, J, Bi, G., Boshears. PF, Carter, A., Devor, A., Doya, K., Garden. H., Illes, J., **Johnson, LSM,** Jorgenson, L., Jun, B-O, Lee, I., Michie, P., Miyakawa, T., Nakazawa, E., Sakura, O., Sarkissian, H., Specker-Sullivan, L., Uh, S., Winickoff, D., Wolpe. PR., Wu, KC., Yasamura, A., Zheng, JC, Rommelfamger, KS, Jeong, SJ, Ema, A., Fukushi, T., Kasai, K., Ramos, KM, Salles, A., Singh, I. Neuroethics Questions to Guide Ethical Research in the International Brain Initiatives. *Neuron* 2018; 100(1): 19-36.
2018. **Johnson, LSM.** and Lazaridis, C. The Sources of Uncertainty in Disorders of Consciousness. *AJOB Neuroscience* 2018; 9(2): 76-82.
2017. **Johnson, LSM.** Death by neurological criteria: Expert definitions and lay misgivings. *QJM: An International Journal of Medicine* 2017; 110(5): 267-270.
2016. **Johnson, LSM.** Inference and inductive risk in disorders of consciousness. *AJOB Neuroscience* 2016; 7(1): 35-43.
2016. **Johnson, LSM.** The case for reasonable accommodation of conscientious objections to declarations of brain death. *Journal of Bioethical Inquiry* 2016; 13(1): 105-115.
2015. **Johnson, LSM.** Sport-related neurotrauma and neuroprotection: Are Return-to-play protocols justified by paternalism? *Neuroethics* 2015; 8(1):15-26.
2013. **Johnson, LSM.** Can they suffer? The ethical priority of quality of life research in disorders of consciousness. *Bioethics Forum* 2013;6(4):129-136
2012. **Johnson, LSM.** Return to play guidelines cannot solve the football-related concussion problem. *Journal of School Health* 2012; 82(4): 180-185
2011. Gilbert, F. & **LSM Johnson.** The impact of American tackle football-related concussion in youth athletes. *American Journal of Bioethics Neuroscience* 2011; 2(4): 48-59
2011. **Johnson, LSM.** Concussion and youth hockey: It's time to break the cycle. *Canadian Medical Association Journal* 2011; 183:921-924
2011. **Johnson, LSM.** The right to die in the minimally conscious state. *Journal of Medical Ethics* 2011; 37:175-178
2010. **Johnson, LSM.** Implications of recent neuroscientific findings in patients with disorders of consciousness. *Neuroethics* 2010; 3:185-196

Invited & Non-peer-reviewed Articles

2020. **Johnson, LSM.** Restoring trust and requiring consent in death by neurological criteria. *American Journal of Bioethics* 2020 20(6): 33-35
2019. **Johnson, LSM.** Neuroethics of the Nonhuman. *AJOB Neuroscience* 2019; 10(3): 111-113.
2017. **Johnson, LSM.** Known Unknowns: Diagnosis and Prognosis in Disorders of Consciousness. *AJOB Neuroscience* 2017; 8(3): 145-146
2015. **Johnson, LSM,** Partridge, B. and Gilbert, F. Framing the debate: Concussion and mTBI. *Neuroethics* 2015; 8(1):1-4
2015. Rommelfanger, KS and **Johnson, LSM.** What lies ahead for neuroethics scholarship and education in light of the Human Brain Projects? *AJOB Neuroscience* 2015; 6(1):1-3.
2014. **Johnson, LSM.** A legal fiction with real consequences. *American Journal of Bioethics* 2014; 14(8):34-36
2014. **Johnson, LSM.** A pathway to reducing concussions in youth hockey. *Concussion Litigation Reporter* 2014; 2(9)
2013. **Johnson, LSM.** Stable value sets, psychological well-being, and the disability paradox: ramifications for assessing decision making capacity. *AJOB Neuroscience* 2013; 4(4): 24-25
2011. **Johnson, LSM.** The ethically dubious practice of thwarting the redemption of the condemned. *American Journal of Bioethics* 2011;11(10):9-10
2010. **Johnson, LSM** and Krahn, T. Intimate relationships and dementia: an extended commentary on *Away From Her*. *Journal of Ethics in Mental Health* 2010; 5(1)

Books

2020. **Johnson, LSM,** Fenton, A., Shriver, A. (eds). 2020. *Neuroethics and Nonhuman Animals* Switzerland: Springer
2019. Andrews, K., Comstock, G., Crozier, GKD., Donaldson, S., Fenton, A., John, T., **Johnson, LSM,** Jones, RC., Kymlicka, W., Meynell, L., Nobis, N., Peña-Guzman, D., Sebo, J. 2019. *Chimpanzee Rights: The Philosopher's Brief*. New York: Routledge
2018. **Johnson, LSM** and Rommelfanger, KS (eds). 2018. *Routledge Handbook of Neuroethics*. New York: Routledge

Book Chapters

2020. **Johnson, LSM.** Introduction to Animal Neuroethics: What and Why? in **LSM Johnson,** A Fenton, A Shriver (eds). 2020. *Neuroethics and Nonhuman Animals* Switzerland: Springer
2020. **Johnson, LSM.** The Trouble with Animal Models in Brain Research in **LSM Johnson,** A Fenton, A Shriver (eds). 2020. *Neuroethics and Nonhuman Animals* Switzerland: Springer
2019. **Johnson, LSM.** The Transformer: Approaching the Assisted Death of Animals and Humans with Epistemic Humility and Uncertainty. In Brianne Donaldson & Ashley Harrison King (eds). 2019. *Feeling Animal Death: Being Host to Ghosts* London: Rowman & Littlefield International.

2018. **Johnson, LSM.** Chronic Traumatic Encephalopathy: Ethical and legal ramifications of prospective diagnosis. In **LSM Johnson & KS Rommelfanger** (eds). 2018. *Routledge Handbook of Neuroethics* New York: Routledge.
2018. **Johnson, LSM.** Prenatal and Neonatal Neuroethics: The moral significance of painience. In **LSM Johnson & KS Rommelfanger** (eds). 2018. *Routledge Handbook of Neuroethics* New York: Routledge.
2016. **Johnson, LSM.** When hypothetical vulnerability becomes actual: Research participation and the autonomy of pregnant women. In F. Baylis & A. Ballantyne (eds). 2016. *Clinical Research Involving Pregnant Women*. Switzerland: Springer.
2016. **Johnson, LSM.** Moving beyond end-of-life: the ethics of disorders of consciousness in an age of discovery and uncertainty. In M. Monti & W. Sannita (eds). 2016. *Brain function and responsiveness in disorders of consciousness*. Switzerland: Springer.
2016. **Johnson, LSM.** Reproductive Technologies. In C.M. Klugman (ed). 2016. *Philosophy: Medical Ethics*. Macmillan Interdisciplinary Handbooks: Philosophy series. Farmington Hills, MI: Macmillan Reference USA.

Encyclopedia Entries

2014. **Johnson, LSM.** Abortion II: Ethical Perspectives, in B Jennings (ed). 2014. *Bioethics*, Vol. 1. 4th ed. Farmington Hills, MI: Macmillan Reference USA.
2004. **Johnson, LSM.** Abortion: Contemporary Ethical and Legal Aspects: Ethical Perspectives, in SG Post (ed). 2004. *Encyclopedia of Bioethics*, 3e. New York; Macmillan.

Blog Articles

2020. **Johnson, LSM.** Prioritizing justice in ventilator allocation. *Journal of Medical Ethics Blog*. (04.15.2020)
2019. **Johnson, LSM.** and Maslen, H. Toward a Less Anthropocentric Neuroethics. *The Neuroethics Blog*. (04.09.2019)
2018. **Johnson, LSM.** Might Chimpanzees Have Legal Rights? *Bioethics Forum*. (05.30.2018)
2018. **Johnson, LSM.** Chimpanzees: Persons or things? *Bioethics Forum*. (03.28.2018)
2018. Fenton, A. and **Johnson, LSM.** Philosophers' Brief on Chimpanzee Personhood. *Impact Ethics*. (03.04.2018)
2016. **Johnson, LSM.** Paternalism, protection, and athlete autonomy. *Philosopher*. (06.17.2016)
2016. **Johnson, LSM.** Reversing brain death: An immodest proposal. *Impact Ethics*. (05.24.2016)
2016. Fenton, Andrew and **Johnson, LSM.** The ethics of non-human primate research. *Impact Ethics*. (04.05.2016)
2015. **Johnson, LSM.** Is football safe for brains? *The Neuroethics Blog* (10.2015). Reprinted at *Neuronline*, the blog of Society for Neuroscience. (02.02.2016)
2015. **Johnson, LSM.** Pigs as spare (human) parts. *Impact Ethics* (10.26.2015)
2014. **Johnson, LSM.** Needed: More honesty about death before donation. *Impact Ethics*. (5.20.2014) Reprinted in *Current Controversies: Medical Ethics* Greenhaven-Cengage 2015

2014. **Johnson, LSM.** A tragic death and a fight for life. *Impact Ethics*
2013. **Johnson, LSM.** Bioethicists as public advocates. *Impact Ethics*
2013. **Johnson, LSM & B. Partridge.** Sports concussions and sandbagging. *Bioethics Forum.*
2013. **Johnson, LSM.** Needed: Objective measures of subjective well-being. *NeuroEthics Women Leaders blog*
2010. **Johnson, LSM.** *Neuroethics & Law Blog.* Guest-blogger, October 2010.
Kids, concussion, and CONTACT: The shortcomings of return-to-play guidelines
Passing the mirror test: Reflections on the significance of animal self-awareness.
Medicating immaturity
Putting money in the pot: does neurological evidence support legalizing marijuana?
2010. **Johnson, LSM.** Withholding care from vegetative patients: the social and financial costs. *Bioethics Forum*
2010. **Johnson, LSM.** Lessons from H1N1. *Bioethics Forum*
2009. **Johnson, LSM.** The Silent Scream: Misdiagnosis in Disorders of Consciousness. *Bioethics Forum*
2009. **Johnson, LSM.** Training a Skeptical Eye on Neuroscience. *The Dana Foundation News*

Book & Film Reviews

2017. **Johnson, LSM.** *Concussion: How Bennet Omalu exposed the worst kept secret in football.* *Journal of Ethics in Mental Health* 2017;10:1-9
2017. **Johnson, LSM.** *Neuroethics and the Revision of Common Sense* by Nada Gligorov. *Notre Dame Philosophical Reviews* (03.07.2017)
2014. **Johnson, LSM.** *Breeders: A subclass of women?* by Center for Bioethics and Culture Network. *IJFAB (International Journal of Feminist Approaches to Bioethics)* 2014; 7(2): 248-253
2010. **Johnson, LSM.** *Decision-Making, Personhood and Dementia: Exploring the Interface* by D. O'Connor & B. Purves (eds.). *Metapsychology Online* 14(22)
2005. **Johnson, LSM.** *Children: Rights and Childhood* by David Archard. *Metapsychology Online* 9(25)
2003. **Johnson, LSM.** *Intensive Care: A Doctor's Journal* by John F. Murray, *Metapsychology Online* 7(37)
2003. **Johnson, LSM.** *Understanding Cloning* by Scientific American, *Metapsychology Online* 7(6)
2003. **Johnson, LSM.** *Understanding the Genome* by Scientific American. *Metapsychology Online* 7(6)

Journal Special Issues

2015. Co-editor (with B. Partridge and F. Gilbert), *Neuroethics* 2015; 8(1), special issue "Concussion & mTBI: Ethical Issues"

Popular Media & Public Philosophy

2018. Andrews, K., Comstock, G., Crozier, GKD., Fenton, A., **Johnson, LSM**, Jones, RC., Meynell, L., Nobis, N., Peña-Guzman, D., Rocha, J., Rollin, B., Shriver, A. Brief of

- Amici Curiae Philosophers In Support of Nonhuman Rights Project on Behalf of Beulah, Minnie, and Karen. Appellate Court, State of Connecticut. November 13, 2018.
2018. Andrews, K., Comstock, G., Crozier, GKD., Donaldson, S., Fenton, A., John, T., **Johnson, LSM**, Jones, RC., Kymlicka, W., Meynell, L., Nobis, N., Peña-Guzman, D., Rocha, J., Rollin, B., Sebo, J., Shriver, A., Walker, R. Brief of Amici Curiae Philosophers In Support of Petitioner-Appellant. State of New York Court of Appeals. February 23, 2018. Nonhuman Rights Project on behalf of Tommy and Kiko.
2011. **Johnson, LSM**. One small step for the NHL. *Toronto Globe and Mail* 15 June 2011
- 1991 - 2011. As **Syd M**. Film critic/columnist; reporter-at-large, *Woodstock Times & Almanac*, Woodstock, New York.

Published Abstracts

2018. **Johnson, LSM**. Research with Embryo-Like Organisms and Cerebral Organoids: Do the Usual Rules Apply? in Top 25 Abstracts from the 2017 International Neuroethics Society Meeting. *AJOB Neuroscience* 2018 9(1): W1-W20.
2017. **Johnson, LSM**. The Catch-22 of CTE: Ethical, Legal, and Social Implications in Selected Abstracts from the 2016 International Neuroethics Society Meeting. *AJOB Neuroscience* 2017; 8(1): W1-W17.
2016. **Johnson, LSM** and AJ Shriver. What can neuroscience contribute to the problem of neonatal pain? in “Selected Abstracts from the 2015 International Neuroethics Society Annual Meeting.” *AJOB Neuroscience* 2016; 7(2): W11-12.
2011. **Johnson, LSM**. Reconsidering Quality of Life and the right to die in disorders of consciousness. In “Abstracts for the 2010 Neuroethics Society Meeting, San Diego, California.” *AJOB Neuroscience*, 2011; 2(1): 47-69.

Manuscripts and Work in Submission and In Progress

2020. **Johnson, LSM**. *The Ethics of Uncertainty: Disorders of Consciousness and Inductive Risk*. Oxford University Press (*under contract; in progress*)
2020. Feltz, A., Dr Jacob Caton, J., Cogley, Z., Engel, M., Feltz, S., Ilea, R., **Johnson, LSM**, Tuvel, R. Educational Interventions and Animal Consumption: Results from Lab and Field Studies. (*under review*)

REFEREED CONFERENCE PRESENTATIONS

Papers & Panels

2020. “Potentially Inappropriate Interventions and “Sufficient Cognitive Ability””: Inappropriately Deciding Which Lives are Worth Saving.” Panel session with Laurel Hyle, Christos Lazaridis, and Sarah Risen. American Society for Bioethics + Humanities, October 2020. Online (due to Covid-19 pandemic).
2020. “What We Owe to Cora: Justice and Flourishing Beyond the Lab.” Panel session with Andrew Fenton, Hope Ferdowsian, and Steven Wise. American Society for Bioethics + Humanities, October 2020. Online (due to Covid-19 pandemic).

2019. "All Things Considered: Surrogate Decision-making on Behalf of Patients in the MCS." Panel session with Kathy Cerminara and David Lapedes. American Society for Bioethics + Humanities, Pittsburgh, PA. October 2019
2019. "Race, Remembrance, and Restoration: The Immortal Life of Jahi McMath." American Society for Bioethics + Humanities, Pittsburgh, PA. October 2019
2018. "Brain Injuries and Uncertain Futures: Does Consciousness Matter?" Panel session with Christos Lazaridis, Laura Specker Sullivan, & Robert Truog. American Society for Bioethics + Humanities, Anaheim, California. October 19, 2018
2017. "Ethics in the Center: When medically 'settled' matters and social, cultural, or religious values diverge." Panel with Harold Braswell, Seema Shah, and Mohamed Rady. American Society for Bioethics + Humanities, Kansas City, Missouri. October 22, 2017
2017. "Belmont for Animals? Considering a framework for protecting nonhuman primates in research." Workshop with Hope Ferdowsian, Andrew Fenton. American Society for Bioethics + Humanities, Kansas City, Missouri. October 21, 2017
2016. "The Catch-22 of CTE: Ethical, Legal, and Social Implications." (poster and oral presentation) International Neuroethics Society Meeting, San Diego, California, November 11, 2016
2016. "Inference, Uncertainty, and Inductive Risk." Dead Wrong? Ethical Implications of Misdiagnoses in Brain Death and the Vegetative State panel session with John Banja, Robert Truog, and Karen Rommelfanger. American Society for Bioethics & Humanities Meeting, Washington DC, October 7, 2016
2015. "The vulnerability of nonhuman animals used in research." Minding Animals: Ethical implications for research panel session with Andrew Fenton and Adam Shriver. American Society for Bioethics + Humanities Meeting, Houston, Texas, October 22, 2015
2014. "Conscientious objection to brain death: Why reasonable accommodation is reasonable, necessary, and good public policy." American Society for Bioethics + Humanities Meeting, San Diego, CA, October 2014
2014. "Functional neuroimaging of Disorders of Consciousness: The ethical implications of where we are now, and where we're going." Panel session with Martin M. Monti, PhD (UCLA) and Adam Shriver, PhD (Penn). American Society for Bioethics + Humanities Meeting, San Diego, CA, October 2014
2013. "Unnecessary Roughness: Ethical considerations in sport-related neurotrauma, sports participation, and consent." American Society for Bioethics + Humanities, Atlanta, GA. October 25, 2013
2013. "Why we need to know what it's like: The ethical priority of quality of life research in disorders of consciousness." Western Michigan University Medical Humanities Conference, Kalamazoo, MI. September 2013
2012. "Saying what no one else will say: The bioethicist as translator, interpreter, and advocate in the public sphere." American Society for Bioethics + Humanities, Washington DC October 20, 2012
2011. "The case for innovation in vaccine production." Canadian Bioethics Society Conference. St. John, New Brunswick. June 2011

- 2010. “Repeated football-related concussion in pediatric athletes: Assessing the risks and promoting prevention strategies.” (Co-presented with F. Gilbert) International Association for the Philosophy of Sport Conference. Rome, Italy. September 2010
- 2010. “Reconsidering quality of life and the right to die in disorders of consciousness.” Canadian Bioethics Society 21st Annual Conference. Kelowna, British Columbia. June 2010
- 2000. “Hume on the Origins of Society and Government: The Siren Song of the Proximal.” Hume Society Conference, Williamsburg, VA July 2000

Posters

- 2019. “Neuroethics of the Nonhuman.” International Neuroethics Society Meeting, Chicago, IL. October 17-18, 2019.
- 2017. “Research with Embryo-Like Organisms and Cerebral Organoids: Do the Usual Rules Apply?” International Neuroethics Society Meeting, Washington, DC. November 9-10, 2017.
- 2015. “What can neuroscience contribute to the problem of neonatal pain?” (With Adam Shriver) International Neuroethics Society Meeting, Chicago, Illinois, October 16-17, 2015.
- 2014. “Moral status and the capacity for conscious suffering.” International Neuroethics Society Meeting. Washington, DC. November 14, 2014
- 2013. “Why we need to know what it’s like: The ethical priority of quality of life research in disorders of consciousness.” International Neuroethics Society Meeting. San Diego, CA. November 8, 2013
- 2010. “Reconsidering quality of life and the right to die in the minimally conscious state.” International Neuroethics Society Meeting. San Diego, CA. November 2010
- 2010. “H1N1 and the critical need for alternatives to egg-based vaccines.” Canadian Center for Vaccinology 2nd Annual Symposium. Halifax, Nova Scotia. April 2010

INVITED PRESENTATIONS, MEETINGS, and WORKSHOPS

- 2020. Scholar Advocacy in Neuroscience and Psychology. Kimmela Center for Animal Advocacy. Live webinar with Lori Marino, Greg Berns, Becca Franks, and Bob Jacobs. June 3, 2020. (*via Zoom due to pandemic*)
- 2020. Annual BRAIN Initiative Investigator’s Meeting. Neuroethics Session, “neuroethics expert.” June 1, 2020 (*via Zoom due to COVID-19 pandemic*)
- 2020. “Belmont Report for Animals,” with Hope Ferdowsian. Neuroethics Network 2020. Paris, France. June 17, 2020. (*postponed due to COVID-19 pandemic*)
- 2020. “Does Unconsciousness Matter Morally?” Working Papers in Ethics and Moral Psychology. Icahn School of Medicine at Mount Sinai, New York, NY. May 21, 2020. (*via Zoom due to COVID-19 pandemic*)
- 2019. Phoenix Zones Initiative Unconference. Invited participant. Santa Fe, NM. November 15-17, 2019

2019. American Society of Bioethics + Humanities. Health & Science Affinity Group, Animal Bioethics Affinity Group, Neuroethics Affinity Group joint session. Discussant, “Frankenstein’s Pig: Reanimating Dead Pig Neural Tissue.” October 25, 2019
2019. International Neuroethics Society Meeting. Panelist, “Disorders of Consciousness: Concepts, Culture and Prognosis.” Chicago, IL. October 17-18, 2019
2019. Global Neuroethics Summit. Panelist, “Nonhuman primates (NeQN3).” Daegu, South Korea. September 24-27, 2019
2019. Annual BRAIN Initiative Investigator’s Meeting. BRAIN Initiative Neuroethics Working Group Representative. Washington, DC. April 11-13, 2019
2018. Global Neuroethics Summit. Delegate, BRAIN Initiative Neuroethics Working Group Representative. Seoul, South Korea. October 11-14, 2018
2018. Galveston Brain Injury Conference. Invited participant, Ethics track. Galveston, Texas. May 3-4, 2018
2018. Annual BRAIN Initiative Investigator’s Meeting. BRAIN Initiative Neuroethics Working Group Representative. Rockville, MD. April 11-13, 2019
2017. Global Neuroethics Summit. Delegate, BRAIN Initiative Neuroethics Division Representative. Daegu, South Korea. October 17-18, 2017
2017. *Unlocking the Cage*, Film screening, panelist/discussant. Visual Arts and Cultural Representations Affinity Group, American Society for Bioethics + Humanities, Kansas City, MO Oct 21, 2017
2017. “Creating transgenic pigs to grow organs: a high tech solution to a low tech problem?” World Congress on Alternatives and Animal Use in the Life Sciences, Seattle, WA. August 21, 2017
2017. Session co-chair (with Andrew Fenton), Ethics of New Technologies Session, World Congress on Alternatives and Animal Use in the Life Sciences, Seattle, WA. August 21, 2017
2017. “Emergent Properties: Ethical Considerations.” Stem Cells, Neural Organoids, and Ex Vivo Human Brain Tissue: Science and Ethics Workshop; Duke Science & Society Program and NIH BRAIN Initiative, Duke University, Durham, NC. May 11, 2017
2017. “Beyond End-of-Life: Disorders of Consciousness and the Ethics of Uncertainty” (plenary talk). Galveston Brain Injury Conference. Galveston, TX. May 4-5, 2017
2017. “Upstream/Downstream: Inference, Uncertainty, and Risk.” Galveston Brain Injury Conference. Galveston, TX. May 4-5, 2017
2016. Animal Research Neuroethics Workshop. Invited participant. Penn Center for Neuroscience and Society, University of Pennsylvania. Philadelphia, PA June 9-10, 2016
2016. *Concussion*. Panelist. Public screening and discussion, Novel Tech Ethics, Dalhousie University. Halifax, Nova Scotia. April 18, 2016
2014. “Disorders of Consciousness and the ethics of uncertainty.” Measuring Borderline States of Consciousness Conference. Center for Mind, Brain, and Consciousness/Center for Bioethics. New York University, New York, NY. October 24-25, 2014

- 2014. “Concussion and mTBI: Neuroethical issues.” (lightning talk) Neuroethics Affinity Group Meeting, American Society for Bioethics & Humanities Meeting, San Diego, CA, October 2014
- 2011. “Should youth hockey be safer?” Cafe Scientifique, Novel Tech Ethics, Dalhousie University. Halifax, Nova Scotia, Nov 22, 2011
- 2011. States of Mind: a film series on the ethics of mental health. *Precious* (Jan. 17, 2011); *Helen* (Jan 24, 2011); *Temple Grandin* (Jan 31, 2011); *Lars and the Real Girl* (Feb 7, 2011). Halifax, Nova Scotia.
- 2005. “Choosing for Children: Medical Decision-Making and Children’s Rights.” Dowling College, NY. October 2005

DEPARTMENTAL and UNIVERSITY TALKS

- 2020. “Inference and Inductive Risk in Brain Injury.” Center for Bioethics and Humanities, Upstate Medical University. July 9, 2020.
- 2018. “Chimpanzee Personhood.” Friends of the Michigan Tech Library Annual Lecture. Oct 25, 2018
- 2015. “The Catch-22 of CTE: Ethical and Legal Implications.” KIP Seminar Series. Department of Kinesiology and Integrative Physiology. Michigan Tech. Dec 4, 2015
- 2014. “What is it like to be a zombie?” Undead U: A Zombie Symposium. Michigan Tech. October 30, 2014
- 2014. “Filling the ethical vacuum: Ethics does not suck.” Ethics, Integrity, and Responsible Conduct of Research Workshop. Michigan Tech. May 2014
- 2013. “Killing the undead (and other problems in zombie ethics).” Undead U: A Zombie Symposium. Michigan Tech. November 1, 2013
- 2011. “Mapping a way around the authenticity detour: cognitive enhancement, cognitive mapping, and extended cognition.” Philosophy Colloquium, Philosophy Department. Dalhousie University. April 2011
- 2010. “The perils of progress: Halfway measures and treating disorders of consciousness.” Neuroethics Mini-Symposium, Neuroscience Institute, Dalhousie University. June 2010
- 2001. “The End of Reflection: Korsgaard’s Theory of Reflective Endorsement.” Graduate Philosophy Prize Lecture, University at Albany, State University of New York May 2001

GRANTS

- 2017. Co-PI (with Adam Feltz and Silke Feltz). “Knowing what you eat: The effectiveness of educational interventions on animal consumption.” \$11,385. Animal Charity Evaluators. September 2017 - August 2020.
- 2010. Project director. “Too Much Information? Public Health Planning and Communication.” \$2,450. Canadian Institutes of Health Research, Cafe Scientifique Partnership Program Grant. April 2011.

HONORS and AWARDS

- 2019. *AJOB Neuroscience* Top Abstract Award “Neuroethics of the Nonhuman.” International Neuroethics Society Meeting, Chicago, IL. October 17-18, 2019.
- 2019. Elsevier Outstanding Poster Award “Neuroethics of the Nonhuman.” International Neuroethics Society Meeting, Chicago, IL. October 17-18, 2019.
- 2017. *AJOB Neuroscience* Top Abstract Award “Research with Embryo-Like Organisms and Cerebral Organoids: Do the Usual Rules Apply?” International Neuroethics Society Meeting, Washington, DC. November 9-10, 2017.
- 2016. Top 10% University-wide Student Evaluation Scores, Michigan Technological University
- 2015. *AJOB Neuroscience* Top Abstract Award “What can neuroscience contribute to the problem of neonatal pain?” (co-authored with A. Shriver) International Neuroethics Society Meeting, Chicago, Illinois, October 16-17, 2015.
- 2001. Philosophy Essay Prize, Department of Philosophy, University at Albany, State University of New York
- 2000. Hume Society Young Scholar Award, Hume Society Conference, Williamsburg, Virginia
- 2000. Research/Travel Grant, University at Albany, State University of New York, Graduate Student Organization Grants Program

COURSES TAUGHT

Upstate Medical University

- Healthcare Ethics, Course director; small group preceptor (2020)
- Patients to Populations, small group preceptor (2019-2020; 2020-2021)
- Clinical Bioethics, small group preceptor (2019-2020; 2020-2021)

Michigan Technological University

- Biomedical Research Ethics (graduate) (Fall 2012, 2014, 2016, 2018)
- Biomedical Ethics (Spring 2012-2019)
- Philosophy & Death (Spring 2018)
- Sports Medicine & Ethics (Fall 2015; 2017)
- Political Philosophy (Spring 2016; 2017; 2019)
- Ethical Theory/Moral Problems: Zombie Ethics (*online* Summer 2013 - 2019)
- Ethical Theory/Moral Problems (Fall 2011, 2014-2018; *online* Summer 2012)
- Introduction to Philosophy: Philosophy and Film (Fall 2013)

Dalhousie University Medical School, Halifax, Nova Scotia

- Med III, Obstetrics & Gynecology Ethics Seminar (2010-2011)

State University of New York, New Paltz

- Mind and Morals in Movies (Spring 2009)
- Introduction to Philosophy: Problems (Spring 2008; Fall 2008)
- Philosophy in Film (Spring 2007; Spring 2008)
- Introduction to Philosophy: Classics (2005-2009)

Mount Saint Mary College, Newburgh, New York

Medical Ethics (Spring 2002)

Introduction to Philosophy (2001-2003)

Social Philosophy (Fall 2000)

GRADUATE STUDENT SUPERVISION

Doctoral Advising

Chair, Dissertation Committee: Silke Feltz (Rhetoric, Theory & Culture); “Because We Have Chosen a Life of Peace”: A Quantitative and Qualitative Study of Vegan Food Narratives. Michigan Technological University, 2019.

Member, Dissertation Committee: Ann Kitalong-Will (Rhetoric, Theory & Culture); Michigan Technological University

Member, Comprehensive Exam Committee: Valorie Troesch (Rhetoric, Theory & Culture); Michigan Technological University

ACADEMIC SERVICE & PROFESSIONAL ACTIVITIES

Organizational

Member, NIH BRAIN Initiative Neuroethics Working Group (formerly Neuroethics Division). (2017-present)

Co-chair (with Tyler John) and Founder. American Society for Bioethics & Humanities Animal Bioethics Affinity Group (2016-present)

Member, Communications Committee. International Neuroethics Society. (2015 - 2017)

Co-chair (with Laura Webster). American Society for Bioethics & Humanities Neuroethics Affinity Group (2014- 2016)

Faculty mentor, MAP: Minorities and Philosophy. (2013-2014)

Editorial

Associate Editor, *Neuroethics* (2019 -)

Editor, PhilPapers.org: Biomedical Ethics; Neuroethics; Ethics of Brain Imaging; Cognitive Enhancement; The Minimally Conscious State; Vegetative State and Coma; Biotechnology Ethics. (2010 -)

Ad hoc peer reviewer for: *Frontiers Neurology*; *Journal of Clinical Ethics*; *Kennedy Institute of Ethics Journal*; *Journal of Medical Ethics*; *Bioethics*; *Neuroethics*; *Developing World Bioethics*; *Accountability in Research*; *AJOB Neuroscience*; *Journal of School Health*; *Journal of Bioethical Inquiry*; *Canadian Medical Association Journal*; *Injury Prevention*; *European Journal of Sports Medicine*; *Science Magazine*; *International Journal of Sport Policy & Politics*; *Journal of Religion & Health*; *Philosophical Psychology*; MIT Press; Oxford University Press; Elsevier.

Grants Review

Specialist Reviewer: Bioethicist. Peer Review, Defense and Veterans Brain Injury Center (DVBIC). May 2019.

Specialist Reviewer/Panelist: Bioethicist. Peer Reviewed Orthopaedic Research Program, Department of Defense and Congressionally Directed Medical Research Programs. December 2018

Reviewer/Panelist: Special Emphasis Panel. Research on Improving Pediatric mTBI Outcomes Through Clinician Training, Decision Support, and Discharge Instructions. Centers for Disease Control & Prevention. May 2018.

Specialist Reviewer/Panelist: Bioethicist. Precision Trauma Care Research Award (PTCRA) Traumatic Brain Injury (TBI) peer review panel, Department of Defense and Congressionally Directed Medical Research Programs. September 2017

Specialist Reviewer/Panelist: Bioethicist. Complex Traumatic Brain Injury Rehabilitation Research peer review panel for the Department of Defense and Congressionally Directed Medical Research Programs. February 2017

Specialist Reviewer/Panelist: Bioethicist. Traumatic Brain Injury peer review panel of the FY16 Joint Program Committee-6/Combat Casualty Care Research Program for the Department of Defense and Congressionally Directed Medical Research Programs. October 2016

Specialist Reviewer/Panelist: Bioethicist. Department of Defense/CDMRP/Medical Research Program. Clinical Trial Award. December 2015

Specialist Reviewer/Panelist: Bioethicist. Department of Defense/CDMRP/US Army Medical Research and Materiel Command. Clinical Research Initiative - Health Services. August 2015

Scientific Reviewer/Panelist: Bioethicist. Special Emphasis Panel, Research to Evaluate CDC Heads Up Concussion Initiative in Youth Sports, Centers for Disease Control and Prevention. May 2015

Specialist Reviewer/Panelist: Bioethicist. U.S. Department of Defense/CDMRP. Psychological Health/Traumatic Brain Injury Research Program: Investigational Treatments for TBI and PTSD Clinical Trial Award. March 2015

Specialist Reviewer/Panelist: Bioethicist. U.S. Department of Defense/CDMRP. Chronic Effects of Neurotrauma Consortium Awards. February 2013

UNIVERSITY SERVICE

SUNY Upstate Medical University

Ethics Consult Service (2020 -)
Hospital Ethics Committee (2020-)

Center for Bioethics and Humanities, SUNY Upstate Medical University

Graduate Medical Education Assessment research (2019-2020)

University-wide, Michigan Technological University

Student Conduct Board & Academic Integrity Committee hearing officer (elected, 2013-2015; 2015-2018; 2018-2021)
Title IX hearing officer (2015-2019)
Book Club, Faculty Advisor (2013-2019)

Organizer, *Undead U: A Zombie Symposium*, Michigan Technological University, (November 2013; October 2014)

General Education Council Sub-committee on Values & Civic Engagement (2013)

Humanities Department, Michigan Technological University

Promotion & Tenure Committee (2017-2019)

Diversity Committee (2018-2019)

Technical Communication Search Committee (2019)

Philosophy Committee (2015-2019)

IRB Liaison (2013-2019)

Grievance Committee (2013-2016)

Search Committee, Philosophy (2014-2015)

Digital Media & Technology Committee (2013-2014)

Library Liaison (2012-2013)

MEDIA INTERVIEWS AND COVERAGE

Print Interviews

The Atlantic; Christian Science Monitor; Houston Chronicle; Seeker (Discovery Network); Futurism; Wallet Hub; City Pages; Big Think; Centre Ice: The Hockey Magazine; Medill News Service; Chronicle-Herald (Halifax, Nova Scotia); Post Media News; Daily Mining Gazette (Michigan)

Television Interviews

Fox6 UP News; CBC Nova Scotia; CBC National; CTV (Canada); Global National News (Canada)

Radio Interviews

Copper Country Today; Jason Gregor Show (Edmonton Sports Radio); Radio-Canada (CBC French); Mike Pintek Show (KDKA Pittsburgh news radio); Rick Howe Show (News 95.7 radio); CBC Halifax Information Morning; Bill McLean sports show (CKDU radio); CBC Saint John Information Morning; CBC Sydney Cape Breton Information Morning; The Roy Green Show; Health, Wealth & Wisdom radio

Media coverage of scholarly work

CNN; Discovery Channel; DalNews; ABC10 News (Michigan); *Daily Mining Gazette* (Michigan)

PROFESSIONAL MEMBERSHIPS

American Society for Bioethics + Humanities

Association of Scientific Studies of Consciousness

International Neuroethics Society

Consortium for Socially Relevant Philosophy of/in Science and Engineering (SRPoiSE)

Minding Animals International

NEW Leaders: Neuroethics Women Leaders

EXHIBIT 8

Curriculum Vitae

May 2020

Robert C. Jones

Department of Philosophy
California State University, Dominguez Hills
Carson, CA 90747
rjones@csudh.edu

EDUCATION

Stanford University

Ph.D. in Philosophy, 2005

Dissertation: *The Moral Significance of Animal Cognition*

Committee: Peter Godfrey-Smith (adviser), Debra Satz, Kenneth Taylor

AREAS OF SPECIALIZATION

Animal Ethics

Animal Cognition

Critical Animal Studies

AREAS OF COMPETENCE

Critical Race Theory

Philosophy of Race

Philosophy of Biology

Environmental Ethics

I. SCHOLARSHIP

BOOKS

- *Chimpanzee Rights: The Philosophers' Brief*, (co-author), Routledge, 2018.

SELECTED PUBLICATIONS

- “Animal Cognition and Moral Status”, forthcoming in *The Routledge Companion to Environmental Ethics*, Andrew Light and Benjamin Hale, editors, Routledge, 2020.
- “Environmental, Food, and Animal Ethics Guide to Responsible Food and Agriculture Systems” forthcoming in *Rethinking Food and Agriculture: New Ways Forward*, Amir Kassam and Laila Kassam, eds., Academic Press (Elsevier), 2020.
- “20 Anti-Vegan Arguments and Replies”, forthcoming in *Encyclopedia of Veganism and Animal Ethics*, Presses Universitaires de France, 2020.
- “Speciesism and Animal Neuroscience”, in *Neuroethics and Nonhuman Animals*, Andrew Fenton, L. Syd M Johnson, and Adam Shriver, eds., Springer, 2020.
- “Sentientist Politics”, Alasdair Cochrane, book review, forthcoming in *Environmental Values*, 2020.
- “The Precautionary Principle: A Cautionary Note”, *Animal Sentience: An Interdisciplinary Journal on Animal Feeling*, 16(15), 2017.
- “Veganisms”, in *New Critical Perspectives on Veganism*, Jodey Castricano and Rasmus R. Simonsen, eds., Palgrave, 2016.
- “Fish Sentience and the Precautionary Principle”, *Animal Sentience: An Interdisciplinary Journal on Animal Feeling*, 1(3), 2016.
- “Animal Rights is a Social Justice Issue”, *Contemporary Justice Review*, 18(4), pp. 467–482, 2015.
- “Veganism as an Aspiration”, co-authored with Lori Gruen, *The Moral Complexities of Eating Meat*, Ben Bramble and Bob Fischer, eds., Oxford University Press, 2015.

- “The Lobster Considered”, in *Gesturing Toward Reality: Philosophy and David Foster Wallace*, Robert Bolger and Scott Korb, editors, Bloomsbury Academic Press, pp. 85–102, 2014.
- “A Review of the Institute of Medicine’s Analysis of using Chimpanzees in Biomedical Research”, co-authored with Ray Greek, *Science and Engineering Ethics*, pp. 1–24, 2015.
- “Science, Sentience, and Animal Welfare”, *Biology & Philosophy*, 28(1), pp. 1–30, 2013.
- “‘That Ain’t Legal Either’: Rules, Virtue, and Authenticity in The Big Lebowski”, co-authored with Troy Jollimore in *The Big Lebowski and Philosophy*, Wiley-Blackwell, pp. 106–122, 2012.
- Review of *Ethics and the Beast: A Speciesist Argument for Animal Liberation*, Tzachi Zamir, *Philosophy in Review*, 29(6), p. 448, 2009.

TALKS, PRESENTATIONS, & PUBLIC MEDIA

SELECTED TALKS & PRESENTATIONS

1. “Should Chimpanzees Be Considered ‘Persons’”
World Explorations Series
Valene Smith Museum of Anthropology
California State University, Chico, April 28, 2019
2. “Animal Liberation was Never a Triangular Affair”, *Killing Cats to Save Finches: Perspectives on Invasive Species and Conservation Policy*
University of Pennsylvania, March 16, 2019
3. “Chimpanzee Rights: The Philosophers’ Amicus Brief”
Animal Bioethics Affinity Group
American Society for Bioethics and Humanities Annual Conference, Anaheim, CA, October 19, 2018
4. “Is Sentientism like Racism?”
 - *Animal Sentience: Pushing the Boundaries*, Australia National University, August 17, 2018
 - Philosophy of Biology at Dolphin Beach, August 11, 2018

5. "Racism & Speciesism: Linked Oppressions"
#BlackLivesMatter Teach-In: Let's Keep the Conversation Going
California State University, Chico, October 11, 2016
6. "Animal Sentience, Speciesism, and Veganism"
Philosophy of Biology at Dolphin Beach, August 12, 2017
7. "*Jacobin* and Animal Liberation: Interrogating the Speciesist Left"
Left Forum, May 21, 2016
8. "White Privilege: A Public Discussion" (with Prof. Susanna Boxall)
Courageous Conversations: Where Do We Go From Here?
California State University, Chico, April 6, 2018
9. "Is Anti-Speciesism a Form of Exterminism?"
APA Pacific Division Meeting, Spring 2016
10. "Veganisms"
Northern California Animal Advocacy Coalition, August 14, 2016
11. "How Not To Be Vegan"
•Animal Rights Academy, University of Toronto, April 19, 2016
•*Conscious Eating Conference*, Berkeley, March 19, 2016
12. "Veganism as an Aspiration"
•The Ethics Center
California State University, Fresno, October 8, 2015
•*All Things Great and Small: Interdisciplinary Interspecies Conference*,
University of California, Davis, November 17, 2015
13. "Strategies Against Animal Research and Ranching"
Figuring Praxis in Critical Animal Studies
Institute for Critical Animal Studies North America Conference
April 18, 2015
14. "The Conversation"
University Film Series, California State University, Chico
February 3, 2015
15. "Animal Rights is a Social Justice Issue" *The Peace Institute*
California State University, Chico, October 22, 2014
16. "I Like Killing Flies"
University Film Series, California State University, Chico
November 18, 2014

17. "When Humans Attack" (with Prof. Sarah Pike)
Humanities Center *Tertulia*, California State University, Chico
September 18, 2014
18. "Interspecies Relations"
Modern Animals #1 Art Collective
Los Angeles, CA, July 25, 2014
19. "An Omnivore's Dilemma: The Myth of the Sustainable Meat Movement"
This Way to Sustainability IX
California State University, Chico, March 7, 2014
20. "What Might a Species-Free Ethics Look Like?"
Personhood Beyond the Human Conference
Yale University, December 7, 2013
21. "A Moral Argument for Why People Who Live in SF Should Be Vegan*"
University of San Francisco, November 11, 2013
22. "The Moral Significance of Animal Cognition"
Ethics and the Environment
University of Pennsylvania, October 23, 2013
23. "Eating Animals: A 'Funny' Kind of 'Love'"
Center for Science, Technology, Medicine & Society
University of California, Berkeley, May 10, 2013
24. "Animal Liberation at 40"
The Humanities Center
California State University, Chico, April 18, 2013
25. "Traditional Chinese Medicine: Green or Mean?"
Nature & the Popular Imagination
The International Society for the Study of Religion, Nature & Culture
Pepperdine University, August 2012
26. "Animal Ethics in Practice: Conversations with a Vivisector"
Invited Symposium: *Philosophy and Animal Activism*
APA Pacific Division Meeting, Spring 2012
27. "The Use of Animals in Biomedical Research"
Public debate with Prof. Dario Ringach (UCLA Dept. of Neuroscience)
Vistamar School, El Segundo, CA, December 1, 2011

28. “Ethics of Art Practice”
Enjoy Poverty
Kadist Art Foundation
San Francisco, CA, October 19, 2011
29. “The Ethics of Animal Experimentation”
 - University of California, Davis, April 25, 2011
 - University of California, Los Angeles, April 22, 2010
30. “The Science and Ethics of Animal Use in Biomedical Research”
University of California, Los Angeles Panel Discussion, February 2010
31. “The Ethics of Genetically Modified Animals”
Ethics in Everyday Life: The Ethics of Food
The Fourth Annual Fall Ethics Symposium
Sacramento State University, November 9, 2009
32. “Traditional Chinese Medicine: Green or Mean?”
This Way to Sustainability V
California State University, Chico, November 2009
33. “The Moral Insignificance of Species”
Museum of Anthropology *World Explorations* Speakers Series
California State University, Chico, October 2009
34. “Special Relations and the Privileged Moral Status of Humans Over Animals”
 - University of Auckland, New Zealand, July 2009
 - Minding Animals* Conference, Newcastle, Australia, July 2009
 - Yale University Interdisciplinary Center for Bioethics, March 2008
35. “The Moral Implications of Darwinism”
Darwin Days: A Celebration of Charles Darwin
Barnes and Noble Books, Chico, CA, February 2009
36. “Do Animals Have Moral Rights?”
Pierce College Department of Philosophy, November 2008
37. “Why Preserve Species?: Some Philosophical Problems (and Answers)”
California State University, Chico
Center for Applied and Professional Ethics, May 2008
This Way to Sustainability III, November 2007

38. "The Environmental Impact of Meat Production"
 - Wesleyan University First Annual Social Justice Day Conference, March 2008
 - The Community College of Philadelphia, March 2008
 - California State University, Chico, *This Way to Sustainability, IV*, 2008
39. "An Environmentalist Argument for Vegetarianism"

Wesleyan University College of Social Studies, February 2008
40. "Is Species Membership Morally Significant?"

Wesleyan University College of Social Studies, November 2007
41. "Rethinking the Ethical Implications of Animal Cognition"

Stanford University *Ethics at Noon* Lecture Series, December 2005
42. "Are Monkeys Moral?"

Occidental College, 2003
43. "Kant and the Problem of Nonhuman Animals"

Stanford University, 2001
44. "Against Davidson's View of Mental Content"

CUNY Graduate Student Philosophy Conference, 1999

COMMENTER

1. Lisa Rivera's "Coercion and Captivity"

APA Pacific Division Meeting, April 2015
2. Donald W. Bruckner's "Strict Vegetarianism Is Immoral"

APA Pacific Division Meeting, April 18, 2014
3. "Pedagogy and the 'Animal Turn'", Invited Contributor

University of California, Berkeley, November 2, 2012
4. Mark Shelton's "Korsgaard, Kant, and Animals: A Response"

APA Pacific Division Meeting, April 23, 2011
5. Benjamin Sachs's "The Hopelessness of Carving out a Threatening Speech Exception to Freedom of Speech", Rocky Mountain Ethics Conference,

University of Colorado, Boulder, August 6, 2011
6. David Sussman's "Pain for Constructivists"

Rocky Mountain Ethics Congress, UC Boulder, August 8, 2010

7. Alastair Norcross's Keynote Address
"It Shouldn't Happen to a Dog, or a Chicken: Why You Shouldn't Eat Meat"
Ethics in Everyday Life: The Ethics of Food
The Fourth Annual Fall Ethics Symposium
University of California, Sacramento, November 9, 2009

CONFERENCE/SYMPOSIA ORGANIZER

1. *Killing Cats to Save Finches: Perspectives on Invasive Species and Conservation Policy*, co-organizer with Emily Parke and Michael Weisberg, University of Pennsylvania, March 2019
2. "Philosophy and Animal Activism"
co-organizer with Janet Stemwedel, APA Pacific Division Meeting, Spring 2012
3. "How Like Us Are They?: Human and Nonhuman Primate Cognition", (Dan Dennett, Dale Jamieson, Marc Bekoff, Sally Boysen, Daniel Povinelli, Derek Penn, Clive Wynne), co-organizer with Dario Ringach, University of California, Los Angeles, February 4, 2011

SELECTED PUBLIC MEDIA APPEARANCES & INTERVIEWS

1. *The Hunting Collective Podcast*, "Ep. 122: The Bargains of Suffering with Vegan Philosopher Dr. Robert C. Jones", April 21, 2020.
2. *The Hunting Collective Podcast*, "Episode 71: Exploring Consumption & Ethical Veganism with Professor Robert C. Jones", July 23, 2019.
3. "Nonhumans Had A Small but Unprecedented Win In Court This Week", *Forbes*, May 11, 2018
4. "We Need To Talk About Sentient Robots", *Forbes*, May 13, 2018
5. Interview, Charter for Animal Compassion, 2018.
6. Radio Interview, "Animal Rights is a Social Justice Issue", *The Peace and Social Justice Program*, KZFR 90.1 FM, Chico, CA, April 17, 2015
7. Radio Debate, "Should Animals Be Used for Scientific Testing?", KALW 91.7 FM, San Francisco, CA, June, 2014
8. Online Debate, "The Great Ape Project: Where Are We?", *Sentience Mosaic: The Science of Animal Sentience*, December 3, 2013

9. Radio Interview, "Veganism and the Academy," *Sentients*, KZFR 90.1 FM, Chico, CA, June 18, 2013
10. Online interview, *Sentience Mosaic: The Science of Animal Sentience*, March 2013
11. Book Reading/Signing, *The Big Lebowski and Philosophy*, Lyon Books, November 5, 2012
12. Radio Interview, "The Big Lebowski and Philosophy", *Nancy's Bookshelf*, Northstate Public Radio, KCHO 91.7 FM, Chico, CA, December 14, 2012
13. Interview, "One Animal Researcher Refuses to Hide", *The Chronicle of Higher Education*, February 20, 2011
14. Radio Interview, "The Ethics of Animal Experimentation," *The Access Hour*, WORT 89.9 FM, Madison, WI, May 10, 2010

PAPERS REFEREED FOR PROFESSIONAL PEER-REVIEWED JOURNALS

- *Biology & Philosophy*, 2020, 2018, 2017, 2016, 2014, 2012
- *Ethnicities*, 2018
- *Journal of Moral Philosophy*, 2017
- *Science and Engineering Ethics*, 2017
- *Sloth*, 2017
- *Hypatia*, 2016
- *Princeton University Press*, 2015
- *Ergo*, 2015
- *Environmental Philosophy*, 2014
- *Mosaic*, 2013
- *Pacific Philosophical Quarterly*, 2012
- *Social Theory and Practice*, 2012
- *Society & Animals*, 2012
- *Between the Species*, 2012

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Letitia Mercia Meynell

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Current Position

July 2011 – present: Associate Professor (tenured), Department of Philosophy, Dalhousie University; member of the Faculty of Graduate Studies; cross-appointed with the Gender and Women's Studies Programme since September 2006; 50% workload reduction since 2016.

Previous Positions

June 2008 – June 2011: Assistant Professor (tenure track), Department of Philosophy, Dalhousie University; member of the Faculty of Graduate Studies, cross-appointed with the Gender and Women's Studies Programme.

July 2004 – May 2008: Assistant Professor (limited term appointment), Department of Philosophy, Dalhousie University, member of the Faculty of Graduate Studies; cross-appointed with the Gender and Women's Studies Programme.

2000 – 2004: Instructor (part-time), Department of Philosophy and Centre for Women's Studies and Feminist Research, University of Western Ontario.

Areas of Specialization: Philosophy of Science, Epistemology, Feminist Philosophy, Philosophy of Biology, Aesthetics.

Areas of Competence: Introductory Logic, Applied Ethics (specifically, Ethics in Science), History of Philosophy (Modern and Contemporary Anglo-American), Philosophy of Sex and Love.

EDUCATION

Ph.D., Philosophy, University of Western Ontario, 1998-2003.

Thesis title: *Representing, Imagining and Understanding: The Aesthetics and Epistemology of Images in Science*. Supervisor: K. Okruhlik.

M.A., Philosophy, University of Calgary, 1995-1998.

Thesis title: *Picture Hooks: Prelude to an Aesthetic Epistemology*. Supervisor: B. Grant.

B.A. (Hons.), Theatre, York University, 1989-1993 (first class).

GRANTS AND AWARDS

External Grants as Principal Investigator, Co-Investigator, or Co-Applicant

2020 (Co-Principal Investigator with Ford Doolittle) New Frontiers in Research Fund (Tri-Agency) Exploration Grant for *Testing "It's the song, not the singer(s)": microbiomes to Gaia* - \$245,828.

- 2016 (Principal Investigator) Social Sciences and Humanities Research Council (SSHRC) Insight Development Grant for *Chimpopolis: Science, Society, and the Philosophical Animal* - \$59,000.
- 2016 (Principal Investigator) Royal Society of Canada Atlantic Open Academy Grant for *Political Animals* - \$3,000.
- 2014 (Co-applicant) Social Sciences and Humanities Research Council (SSHRC) Partnership Development Grant for *Cosmopolitanism and the Local in Science and Nature: Creating an East/West Partnership* (Principal Investigator: Gordon McOuat) - \$200,000.
- 2013 (Principal Investigator) Royal Society of Canada Atlantic Open Academy Grant for *Human Relationships with Canids, from the Home Front to the Wild Side* - \$3,000.
- 2010 (Principal Investigator) Social Sciences and Humanities Research Council (SSHRC) Workshop Grant for *Science Without Data? The Role of Thought Experiments in the Empirical Sciences* - \$12,936.
- 2010 (Co-applicant with Mélanie Frappier) Situating Science Workshop Grant for *Science Without Data? The Role of Thought Experiments in the Empirical Sciences* - \$10,000.

External Grants as Collaborator

- 2016 National Science and Engineering Research Council (NSERC) Collaborative Research and Training Experience Grant for *ReNewZoo – Training Conservation Professionals for the Zoo/Aquarium of the 21st Century* (Principal Investigator: Albrecht Schulte-Hostedde) - \$1,650,000.
- 2013 Social Sciences and Humanities Research Council (SSHRC) LOI Grant in anticipation of a Partnership Grant Application for *Sciences, Technologies, and Their Publics* (Principal Investigator: Bernard Lightman) - \$20,000.
- 2013 Social Sciences and Humanities Research Council (SSHRC) Partnership Grant for *Thinking While Doing: Connecting Insight to Innovations in the Construction Sector* (Principal Investigator: Ted Cavanaugh) - \$ 2,483,150.
- 2012 Social Sciences and Humanities Research Council (SSHRC) LOI Grant in anticipation of a Partnership Grant Application for *Thinking While Doing: Connecting Insight to Innovations in the Construction Sector* (Principal Investigator: Ted Cavanaugh) - \$20,000.
- 2005 (Co-investigator) Social Sciences and Humanities Research Council of Canada Conference Grant (Principal Investigator: Susan Sherwin) for *Agency and Embodiment* - \$20,000.

Internal Grants

- 2019 Supplemental Sabbatical/Special Leave Grant, Dalhousie University - \$7,883.
- 2017 Dalhousie University Research Development Fund for *Materials and People: Social Characterization of New Materials in Architecture* (Principal Investigator: James Forren) - \$ 4,440.
- 2014 Centre for Learning and Teaching Course Development Grant for *Building Ethics Courses and Ethics Capacity in the Sciences* - \$4,700.

- 2006-2013 Dalhousie University Research Development Fund Faculty Travel Grant - \$1,277 (2006), \$1,500 (2009), \$1,000 (2013).
- 2012 Supplemental Sabbatical/Special Leave Grant, Dalhousie University - \$6,224.
- 2009-2010 Research Development Fund for the Humanities and Social Sciences Grant - \$2,500 (awarded).
- 1998-1999 President's Scholarship for Graduate Study, University of Western Ontario.

Other Awards

- 2006 Dalhousie Sessional or Part-time Instructor Award for Teaching Excellence.

RESEARCH (* indicates anonymously peer-reviewed)

Books

1. Kristin Andrews, Gary Comstock, G.K.D. Crozier, Sue Donaldson, Andrew Fenton, Tyler M. John, L. Syd M Johnson, Robert Jones, Will Kymlicka, **Letitia Meynell**, Nathan Nobis, David Peña-Guzmán and Jeffrey Sebo. *Chimpanzee Rights—The Philosophers' Brief*. London: Routledge, 2019, 122 pages.
 - Reviewed on All-Creatures.org
<https://www.all-creatures.org/book/r-chimpanzee-rights.html>.
 - Reviewed on Metapsychology Online
http://metapsychology.net/poc/view_doc.php?type=book&id=8296&cn=135.
2. Mélanie Frappier, **Letitia Meynell** and James Robert Brown, editors. *Thought Experiments in Philosophy, Science and the Arts*. London: Routledge, 2012, 268 pages.
 - Reviewed in *Analysis* 74 (1 2014): 167-169.
 - Reviewed in *HOPOS: The Journal of the International Society for the History of Philosophy of Science* 5 (2) 2015, 348-52.
3. * Sue Campbell, **Letitia Meynell** and Susan Sherwin, editors. *Embodiment and Agency*. University Park, PA: Penn State University Press, 2009, 272 pages.
 - Reviewed in *Notre Dame Philosophical Reviews*.
 - Reviewed in the *American Philosophical Association Newsletter on Feminism and Philosophy*: 10 (1) 2010, 28-30.
 - Reviewed in *Dialogue* 49 (4) 2011, 647-50.
 - Reviewed in *Hypatia* 27 (2) 2012, 338-47.

Journal Special Issues and Conference Proceedings

1. Kirstin Borgerson and **Letitia Meynell**, guest editors, *IJFAB International Journal of Feminist Approaches to Bioethics* special issue, *Shaping a More Just Bioethics: A Celebration of the Work of Susan Sherwin* 13 (2) (forthcoming).
2. James Robert Brown, Mélanie Frappier and **Letitia Meynell**, guest editors, *Knowledge Engineering Review* special issue on *Visual Reasoning* 28 (3) 2013.

3. **Letitia Meynell**, Nathan Brett, Don Baxter and Livia Guimarães, compilers, *36th International Hume Society Conference, Naturalism and Hume's Philosophy: Conference Papers*, Halifax, 2009, 286 pages.

Journal Articles

1. * Caroline Vardigans, MacGregor Malloy and **Letitia Meynell**, "Breaking Barriers to Ethical Research: An Analysis of the Effectiveness of Nonhuman Animal Research Approval in Canada," *Accountability in Research: Policies and Quality Assurance* 26 (8) 2019, 473-97. <https://doi.org/10.1080/08989621.2019.1684906>
2. * **Letitia Meynell**, "Picturing Feynman Diagrams and the Epistemology of Understanding," *Perspectives on Science* 26 (4) 2018, 459-81. https://doi.org/doi:10.1162/posc_a_00283
3. * **Letitia Meynell**, "Imagination and Insight: A New Account of the Content of Thought Experiments," *Synthese* 191 (17) 2014, 4149-68. <https://doi.org/10.1007/s11229-014-0519-x>
4. **Letitia Meynell**, "Parsing Pictures: On Analyzing the Content of Images in Science," *Knowledge Engineering Review*, special issue on *Visual Reasoning* 28 (3) 2013, 327-45. <https://doi.org/10.1017/S0269888913000271>
5. * **Letitia Meynell**, "Evolutionary Psychology, Ethology, and Essentialism (Because What They Don't Know Can Hurt Us)," *Hypatia* 27 (1) 2012, 3-27. <https://doi.org/10.1111/j.1527-2001.2011.01240.x>
6. * Timothy Krahn, Andrew Fenton and **Letitia Meynell**, "Novel Neurotechnologies in Film - A Reading of Steven Spielberg's *Minority Report*," *Neuroethics* 3 (1) 2010, 73-88. <https://doi.org/10.1007/s12152-009-9038-8>
7. * Andrew Fenton, **Letitia Meynell** and Françoise Baylis, "Ethical Challenges and Interpretive Difficulties with Non-Clinical Applications of Pediatric fMRI," *American Journal of Bioethics (AJOB Neuroscience)* 9 (1) 2009, 3-13. <https://doi.org/10.1080/15265160802617829>
8. * **Letitia Meynell**, "The Power and Promise of Developmental Systems Theory," *Les Ateliers de l'Éthique: La Revue de CREUM* 3 (2) 2008, 88-103.
9. * **Letitia Meynell**, "Pictures, Pluralism and Feminist Epistemology: Lessons from 'Coming to Understand'," *Hypatia* 23 (4) 2008, 1-29.
10. * **Letitia Meynell**, "Why Feynman Diagrams Represent," *International Studies in the Philosophy of Science* 22 (1) 2008, 39-59. <https://doi.org/10.1080/02698590802280902>

Chapters in Books

1. **Letitia Meynell**, "What's Wrong with (Narrow) Evolutionary Psychology," *The Routledge Handbook of Feminist Philosophy of Science*, eds. Sharon Crasnow and Kristen Intemann. New York: Routledge (forthcoming).
2. **Letitia Meynell**, "Getting the Picture: A New Account of Scientific Understanding," *The Aesthetics of Science: Beauty, Imagination and Understanding*, eds. Steven French and Milena Ivanova. London: Routledge, 2020, 36-62.
3. G.K.D. Crozier, Andrew Fenton, **Letitia Meynell**, and David M. Peña-Guzmán, "Nonhuman, All Too Human: Towards Developing Policies for Ethical Chimera Research," *Neuroethics and Nonhuman Animals*, eds. L. Syd M Johnson, Andrew Fenton, and Adam Shriver. New York: Springer, 2020, 205-19.

4. **Letitia Meynell**, "The Social Epistemology of Thinking While Making Architecture," *Thinking While Doing: Explorations in Educational Design/Build*, eds. Steven Verderber, Ted Cavanagh, and Arlene Oak. Basel: Birkhäuser Verlag, 2019, 111-26.
5. **Letitia Meynell**, "Images and Imagination in Thought Experiments," *The Routledge Companion to Thought Experiments*, eds. Mike Stuart, Yiftach Fehige and James Robert Brown. London: Routledge, 2018, 498-511.
6. **Letitia Meynell** and Richmond Campbell, "The Logical Project," *"Shut up," he explained. Essays in Honour of Peter K. Schotch*, ed. Gillman Payette. Milton Keynes: College Publications, 2016, 41-61.
7. * **Letitia Meynell**, "See What I Mean? On Developing Norms for the Production and Publication of Scientific Images," in *Narratives of Science and Nature: East and West*, eds. Jobin Kanjirakkat, Gordon McOuat, and Sundar Sarukkai. Delhi: Routledge, 2015, 239-260.
8. James Robert Brown, Mélanie Frappier, and **Letitia Meynell**, "Introduction," in *Thought Experiments in Philosophy, Science and the Arts*, eds. Mélanie Frappier, Letitia Meynell and James Robert Brown. London: Routledge, 2012, 1-10.
9. **Letitia Meynell**, "The Politics of Pictured Reality: Locating the Object from Nowhere in fMRI," in *Neurofeminism: Issues at the Intersection of Feminist Theory and Cognitive Neuroscience*, co-edited by Robyn Bluhm, Heidi Maibom and Anne Jaap Jacobson. Houndmills, UK: Palgrave Macmillan, 2012, 11-29.
10. * **Letitia Meynell**, "Introduction: Minding Bodies" in *Embodiment and Agency*, eds. Sue Campbell, Letitia Meynell and Susan Sherwin. University Park, PA: Penn State University Press, 2009, 1-22.
11. * **Letitia Meynell**, "Dredging the Third Wave: Reflections on the Feminism of the Nineties," *Social Philosophy Today 17: Communication, Conflict, and Reconciliation*, eds. Cheryl Hughes and James Wong. Charlottesville VA.: Philosophy Documentation Center, 2003, 179-201.

Book Reviews, Editorials, Encyclopedia Entries, and Interventions

1. **Letitia Meynell** and Kirstin Borgerson, "Susan Sherwin: Shaping a More Just Bioethics," *IJFAB International Journal of Feminist Approaches to Bioethics*, special issue on *Shaping a More Just Bioethics: A Celebration of the Work of Susan Sherwin* 13 (2) (forthcoming).
2. **Letitia Meynell**, "On Political Correctness," *Dialogue: Canadian Philosophical Review* 56 (4) 2017, 799-804. <https://doi.org/10.1017/S0012217317000385>; also published in the *Dalhousie University Culture of Respect Progress on Report Recommendations—Update June 2017* (Halifax: Dalhousie, 2017); and *Ethical Issues: Perspectives for Canadians* (4th edition), eds. Eldon Soifer; Doug Al-Maini; Ann Levey; Angus Taylor. Peterborough: Broadview, 2020.
3. * **Letitia Meynell**, "Feminist Studies of Science," *Wiley-Blackwell Encyclopedia of Gender and Sexuality Studies*, eds. Nancy A. Naples, et al. John Wiley & Sons, 2016 (online). <https://doi.org/10.1002/9781118663219.wbegss031>
4. James R. Brown, Mélanie Frappier and **Letitia Meynell**, "Introduction," *Knowledge Engineering Review*, special issue on *Visual Reasoning* 28 (3) 2013, 231-6. <https://doi.org/10.1017/S0269888913000301>
5. * **Letitia Meynell**, Review of Cordelia Fine's *Delusions of Gender* and Rebecca Jordan-Young's *Brain Storms*, *Hypatia* 28 (3) 2013: 684-9. <https://doi.org/10.1111/hypa.12036>

6. **Letitia Meynell**, Review of *The Case of the Female Orgasm* by Elisabeth Lloyd, *Hypatia* 22 (3) 2007, 218-22.

Policy Documents and Amici Curiae

1. **Letitia Meynell**, *Report on the Canadian Philosophical Association Equity Survey 2018*, submitted May 2020.
2. Kristin Andrews, Gary Comstock, G.K.D. Crozier, Andrew Fenton, L. Syd M Johnson, Robert Jones, **Letitia Meynell**, Nathan Nobis, David Peña-Guzmán, James Rocha, Bernard Rollin, and Adam Shriver, *Elephant Personhood: The Philosophers' Brief* (2018), submitted in the state of Connecticut, available at <<https://www.nonhumanrights.org/content/uploads/The-Philosophers-Brief.pdf>>.
3. Kristin Andrews, Gary Comstock, G.K.D. Crozier, Sue Donaldson, Andrew Fenton, Tyler M. John, L. Syd M Johnson, Robert Jones, Will Kymlicka, **Letitia Meynell**, Nathan Nobis, David Peña-Guzmán, James Rocha, Bernard Rollin, Jeffrey Sebo, Adam Shriver, and Rebecca L. Walker, *Chimpanzee Personhood: The Philosophers' Brief* (2018), submitted in the state of New York, available at <<https://www.nonhumanrights.org/content/uploads/In-re-Nonhuman-Rights-v.-Lavery-Proposed-Brief-by-PHILOSOPHERS-74435.pdf>>.
4. **Letitia Meynell** with the Equity Committee of the Canadian Philosophical Association, *Good Equity Practices* (2018), available at <<https://www.acpcpa.ca/articles/good-equity-practices>>.

Blogs, Newsletters, Correspondences, and Replies

1. **Letitia Meynell**, "Who is Where? Why? And is it Just?" invited blog for the *Canadian Philosophical Association*, <https://www.acpcpa.ca/blogs/who-is-where-why-and-is-it-just>; translated into French as "Qui est où? Pourquoi? Et est-ce juste?" by Johanne Roberge, 2018.
2. **Letitia Meynell**, "MAiD and a Directive to Protect Your Future Self," blog for *Impact Ethics*, <https://impactethics.ca/2018/07/26/maid-a-directive-to-protect-your-future-self/>, 2018.
3. Andrew Fenton and **Letitia Meynell**, "The Lure of Human-Animal Chimera Research," blog for *Impact Ethics*, <https://impactethics.ca/2017/01/30/the-lure-of-human-animal-chimera-research/>, 2017.
4. G.K.D. Crozier, Andrew Fenton, Lori Marino, **Letitia Meynell**, and David M. Peña-Guzmán, "Public Comment: Should NIH Fund Research on Human-Animal Chimeras?" *Hastings Bioethics Forum*, <http://www.thehastingscenter.org/challenges-nih-policy-human-animal-chimera-research>, 2016.
5. **Letitia Meynell** and Timothy Krahn, "Applying Applied Ethics – A Suggestion for How to Move Toward a More Just Academy," invited newsletter article for *Focus on University Teaching and Learning*, *Centre for Learning and Teaching*, Dalhousie University 23 (3) 2015: 17-18.
6. **Letitia Meynell**, "Ethics Inside and Out," invited guest blog for *Impact Ethics*, <http://impactethics.ca/2015/05/22/ethics-inside-and-out/>, 2015.
7. Andrew Fenton and **Letitia Meynell**, "Which Lives are you Pro?" invited guest blog for *Impact Ethics*, <http://impactethics.ca/2014/09/05/which-lives-are-you-pro/>, 2014.
8. **Letitia Meynell**, "When Living is a Fate Worse than Death," invited guest blog for *Impact Ethics*, <http://impactethics.ca/2014/06/17/when-living-is-a-fate-worse-than-death/>, 2014.

9. **Letitia Meynell**, "Sexism: control experimental bias," *Nature* 493 (January 17, 2013), 305.
10. Andrew Fenton, **Letitia Meynell** and Françoise Baylis, "Responsibility and Speculation: On Possible Applications of Pediatric fMRI," *American Journal of Bioethics (AJOB Neuroscience)* 9 (1) 2009, W1-W2.

Papers Currently in Preparation, Submitted for Publication, or Undergoing Revision

1. (with Andrew Lopez) "Gendering Animals," under review.
2. (with Shane Bryson) "The Bad Touch," in preparation.
3. "Measuring Minds: Towards a Non-anthropocentric Model for the Comparative Study of Cognition," in preparation.
4. White paper on the 3Rs and Canadian Research Ethics, in preparation.
5. "Getting the Picture – A New Analysis of Understanding," in planning stages.
6. (with others) a second amicus brief on elephant personhood, in preparation.

Papers Presented - International (including international meetings held locally)

1. "On Developing a Scientifically Plausible Non-Anthropocentric Approach to Values," presented to the Association for Feminist Epistemologies, Methodologies, Metaphysics and Science Studies (Oregon State University; skyped in), August 2018.
2. "Getting the Picture: Towards a New Account of Scientific Understanding," presented to *Bridging the Gap: Scientific Imagination Meets Aesthetic Imagination* (London School of Economics), October 2017 (invited).
3. "Sexual Configurations Theory as a feminist successor science," presented to the Association for Feminist Epistemologies, Methodologies, Metaphysics and Science Studies (Notre Dame University), October 2016.
4. "The Social Character of Imagining a Building into Reality," presented to the Society for the Social Studies of Science (Denver), November 2015.
5. "On the Resilience of Politically-Valenced Biases," presented to the International Society for the History, Philosophy and Social Studies of Biology (UQAM), July 2015.
6. "Understanding Feynman Diagrams," as part of a panel on *How Do Feynman Diagrams Work?* presented to the European Philosophy of Science Association (University of Helsinki, Finland), August 2013.
7. "Imagining Gender: Sex Difference Research in Evolutionary Psychology," presented to the Ethics Center at California State University (Fresno), November 2012 (invited).
8. "What Can Ecofeminism Learn from Cognitive Ethology?" presented to the Association for Feminist Epistemologies, Methodologies, Metaphysics and Science Studies (Pennsylvania State University), May 2012.
9. "Scientific Images," presented to *Sciences and Narratives of Nature: East and West*, Manipal University, India, December 2011 (invited).
10. "Cognitive Ethology as Ecofeminist Methodology," presented to the International Society for the History, Philosophy and Social Studies of Biology, University of Utah, July 2011.
11. "The Difference Between Transparency and Depictiveness: On Understanding fMR Images," presented to the *Neuroimaging and the Law* Workshop, Dalhousie University, May 2010 (invited).

12. "Biological Ontology and Gender Politics: Lessons from Developmental Systems Theory and Evolutionary Psychology," presented to the *Idea of Evolution* Workshop, Dalhousie University, October 2009 (invited).
13. "Explanation, Sex Essentialism and Evolutionary Psychology," presented to the Association for Feminist Ethics and Social Theory Conference (Clearwater Beach, Florida), September 2009 (invited).
14. "The Epistemology of Feynman Diagrams as Representations," presented to the 36th Annual Philosophy of Science Conference (Inter-University Centre, Dubrovnik), April 2009 and Thought Experiments: A Workshop (University of Toronto), May 2009 (invited).
15. "The Construction of Ignorance Through Biomedical Imaging," presented to the Association for Feminist Epistemologies, Methodologies, Metaphysics and Science Studies (University of South Carolina, Columbia), March 2009.
16. "The Social Epistemology of Pictures in Science," presented to the Association for Feminist Epistemologies, Methodologies, Metaphysics and Science Studies (University of Arizona, Tempe), February 2007 and presented to the Philosophy Department at Adelphi University, March 2007.
17. "The Facts About Pictures: A Response to Perini," presented at *Beyond Mimesis and Nominalism: Representation in Art and Science* (London School of Economics and Courtauld Institute of Art), June 2006.
18. "Negotiating the 'F-word' in the Malestream Philosophy Classroom: The Feminist Professor's Triple Bind," presented to the Association for Feminist Epistemologies, Methodologies, Metaphysics and Science Studies (University of Washington), November 2004.
19. "'Let Them Eat Cake': Integrity, Power, and Oppressive Values," with Dr. Carolyn McLeod, presented to the Association for Feminist Ethics and Social Theory Conference (Clearwater Beach, Florida), February 2001.
20. "Dredging the Third Wave: Reflections on the Feminism of the Nineties," presented to the North American Society for Social Philosophy at the 17th International Social Philosophy Conference (Wilfred Laurier), July 2000.
21. "Do Feminists Need a Theory of Backlash?" presented to the Eastern Division of the Society for Women In Philosophy (State University of New York, Binghamton), April 2000.

Papers Presented - National

1. "Gendering Animals," presented to the Philosophy Department of the University of Calgary, January 2020.
2. "(En)gendering Animals," with Andrew Lopez, presented to the Canadian Society of Women in Philosophy (University of Guelph), October 2019.
3. "Breaking Barriers to Ethical Research: An Analysis of the Effectiveness of Nonhuman Animal Research Approval in Canada," with MacGregor Malloy and Caroline Vardigans, presented to the Canadian Society for the History and Philosophy of Science (University of British Columbia), June 2019.
4. "Measuring Minds: Towards a Non-anthropocentric Model for the Comparative Study of Cognition," presented to the Canadian Philosophical Association (Montreal), June 2018.

5. "Getting the Picture: Towards a New Account of Scientific Understanding," presented to the Canadian Society for the History and Philosophy of Science (Calgary), May 2016.
6. "Lessons from the Dalhousie Dentistry Scandal on Ethics Capacity Building and Moral Literacy," with Tim Krahn, presented to the Canadian Bioethics Society (Toronto), May 2016.
7. "Engendering Animals," presented to the Canadian Society for the History and Philosophy of Science (University of Victoria), June 2013 and presented to the Interdisciplinary Humanities MA Program at Laurentian University, November 2015 (invited).
8. "Understanding Feynman Diagrams," presented to *Diagramming Evidence: Visualizing Connections in Science and Humanities* (University of Windsor), April 2014 (invited).
9. "A Waltonian Model for Thought Experiments," presented to the Canadian Society for the History and Philosophy of Science and the Canadian Philosophical Association (University of Waterloo), May 2012.
10. "Cognitive Ethology as Ecofeminist Methodology," with Dr. Andrew Fenton, presented to the Canadian Society for the History and Philosophy of Science (University of New Brunswick, Fredericton), May 2011.
11. "The Object from Nowhere: Mischief-Making in fMRI," presented to *Envisioning Science: Imaging the Body*, University of Alberta, September 2010 (invited).
12. "The Depiction of Causes," presented to the Canadian Society for the History and Philosophy of Science (University of British Columbia), June 2008.
13. "Selecting Out Theories of Oppression: An Alternative Model for Communicating Feminism," presented to the Canadian Society for Women in Philosophy (University of Alberta), October 2007.
14. "The Facts About Pictures: A Response to Perini," presented to the Canadian Society for the History and Philosophy of Science (York University), June 2006.
15. "Does Present Theorizing About Images in Science Challenge Contemporary Mainstream Epistemology? Preliminary Considerations" presented to the Canadian Philosophical Association (Dalhousie University), May 2003.
16. "Why Feynman Diagrams Represent," presented to the Canadian Society for the History and Philosophy of Science (University of Toronto), May 2002.
17. "Some Ins and Outs of Sexual Identification in the Lesbian Studies Classroom," with Dr. Catherine Hundleby, presented to the Canadian Women's Studies Association (University of Toronto), May 2002.

Papers Presented - Local

1. "Getting the Picture – An Analysis of Understanding," presented to the Atlantic Region Philosophical Association (Cape Breton University), October 2019.
2. "What Can Philosophers Do to Help?" presented to the Fifth Annual Arts Matters Undergraduate Conference (University of New Brunswick), March 2019 (invited keynote).
3. "A Neo-Tinbergian Incursion Against Morgan's Cannon," presented to the Atlantic Region Philosophical Association (Saint Francis Xavier University), October 2018.
4. "The Social Character of Imagining a Building into Reality: Philosophical Reflections on Architecture," presented to the Atlantic Region Philosophical Association (Saint Mary's University), October 2017.

5. "Feminist Critiques of Biology," presented to the Graduate Program in Social and Political Thought, Acadia University, November 2016 (invited).
6. "Getting the Picture: Toward a New Account of Scientific Understanding," presented to the Atlantic Region Philosophical Association (Acadia University), October 2016.
7. "Imagining Gender: Sex Difference Research in Evolutionary Psychology," presented to the Dalhousie Arts and Social Sciences Undergraduate Conference, Dalhousie University, March 2015 (invited keynote); also presented to the Philosophy Department at Mount Allison University, March 2014 (invited).
8. "Inside and Out: On the Importance of External Standpoints for Learning Professional Ethics," as part of a Cross Currents Panel on *Ethics and the University*, organized by the Faculty of Arts and Social Sciences, March 2015 (invited).
9. "What do Feminist Epistemology, Scientific Images, Thoughts Experiments, and Evolutionary Biology have to do with each other?" as part of the Local Philosophers Series at Saint Mary's University, October 2014 (invited).
10. "Engendering Animals," as part of a workshop hosted by the Animal Studies Group on *Human Relationships with Canids, from the Home Front to the Wild Side*, July 2013.
11. "Cognitive Ethology as Ecofeminist Methodology: Images in Science - Representing Human and Non-human Animal Subjects," presented to the Animal Studies Group, Dalhousie University, October 2011.
12. "On the Improbable Future of Neuropolitical Imaging," with Dr. Andrew Fenton, presented to the Atlantic Region Philosophers' Association (St. Francis Xavier University), October 2008.
13. "Operationalizing Oppression," presented to the Atlantic Region Philosophers' Association (Saint Mary's University), October 2007.
14. "The Social Epistemology of Pictures in Science," presented to the Department of Philosophy and Religious Studies at Cape Breton University, March 2007 (invited).
15. "Sex and Pictures: Medical Illustration, Sexual Knowledge and the Construction of Ignorance," presented to the Gender and Women's Studies Programme, Dalhousie University, November 2005 (invited).
16. "Still Standing? Reflections on Third Wave Feminism," presented to the Women's Club at Dalhousie University, 2005 (invited); also presented as part of the *Role-ing Waves of Feminism* lecture series, hosted by *The Circle Women's Centre*, Brescia College, University of Western Ontario, 2004 (invited).
17. "Picturing Sexual Difference and Understanding the Ideology of Sexual Dimorphism," presented to the Atlantic Region Philosophers' Association (Dalhousie University), October 2004.
18. "Representing, Imagining and Understanding: The Aesthetics and Epistemology of Images in Science," presented to the Department of Philosophy, University of Western Ontario, September 2003.
19. "Dredging the Third Wave: Reflections on the Feminism of the Nineties," presented to the Western Canadian Philosophical Association (University of Alberta), October 2000.
20. "Constructing a Feminist Theory of Emotions: Reflections on Biology and Society," presented to the Ontario Philosophical Society (University of Guelph), November 1999 and the Western Canadian Philosophical Association (University of Saskatchewan), October 1999.

21. "Feminism, Emotion and Epistemology," presented at the Gender Research Symposium (University of Calgary), March 1997.

Dalhousie Philosophy Colloquium Presentations

1. "What's Wrong with Evolutionary Psychology," August 2019.
2. "Engendering Animals," September 2018.
3. (with Andrew Fenton) "Why Tommy and Kiko Deserve Habeas Corpus Relief," March 2018.
4. "Imagining a Building Into Reality: Philosophical Adventures in Architecture," January 2018.
5. (with Anthony Fernandez, Tiffany Gordon, and Sarah Wieten) "Developing Good Practices in Canadian Philosophy," May 2017.
6. "Feynman Diagrams, Non-factivity and Understanding: The Epistemic Value of Getting Things Wrong," February 2017.
7. "Getting the Picture: Towards a New Account of Scientific Understanding," November 2016.
8. "Picturing Feynman Diagrams and the Epistemology of Understanding," November 2015.
9. "Images and Imagination in Thought Experiments," May 2015.
10. "Evolutionary Psychology and the Genealogy of Gender...Again," November 2012.
11. "Imagination and Insight: A Waltonian Approach to Thought Experiments," July 2012.
12. "Evolutionary Psychology, Ethology, and Essentialism (Because What They Don't Know Can Hurt Us)," June 2010.
13. "The Object from Nowhere: Mischief-Making and Biomedical Imaging," May 2009.
14. "What's Wrong with this Picture? On Developing Norms for the Production and Publication of Scientific Images," January 2008.
15. "Parsing Pictures: On Analyzing Pictures in Science," May 2007.
16. "The Power and Promise of Developmental Systems Theory," August 2006.
17. "Why Feynman Diagrams Represent," September 2004.

Other Presentations and Professional Activities

1. Public zoom interview for the NhRP (Nonhuman Rights Project) Interview Series, May 2020 <https://www.youtube.com/watch?v=degVCu_6O4I>.
2. Panel member for *Research, Doing, Thinking*, part of the Thinking While Doing Workshop, Dalhousie School of Architecture, September 2019.
3. Panel member for the SSHRC Workshop, for Research Services, Dalhousie University, June 2019.
4. Co-presenter with Kristin Andrews for *Chimpanzee Rights: The View from Philosophers*, Fauna Foundation (Chambly, Quebec), June 2018.
5. Introduction and moderator for *Why Feminist Philosophy Matters to the Health of Canadians*, Halifax Central Library, May 2018.
6. Moderator for *War in the Age of Intelligent Machines: A Debate between Noel Sharkey and Duncan MacIntosh*, Saint Mary's University, March 2018.
7. Panel member for Novel Tech Ethics Film Series event, *I Smile Back*, held at the Halifax Central Library, March 2018.
8. Co-presenter with Andrew Fenton for "Bill S-203 – The End of Cetacean Captivity in Canada" for the Dalhousie Association of Marine Biology Students, March 2018.

9. Moderator for *Pushing Boundaries: A Film Series About What We Owe Other Animals*, co-hosted by NTE Impact Ethics and the Halifax Public Library, January-February 2018.
10. Presentation to the volunteers of the Fauna Foundation (Chambly, Quebec) on *The Chimpopolis Grant*, July 2017.
11. Panel organizer and chair for *The Animal Sciences Meet Animal Ethics*, presented to the Canadian Philosophical Association (Ryerson University), May 2017.
12. *Ethics and the Deep Blue Sea: How Transparent is the Communication of Ocean Science?* an Ethics in the Evening lecture, hosted by the Canadian Centre for Ethics in Public Affairs and as part of the *Clear Seas: Transparency in Ocean Science and Ocean Governance* conference, March 2017.
13. Panel member for *Failing Forward: Falling Short and Climbing Up*, Dalhousie University, February 2017.
14. Panel member for the Insight Development Grant Workshop, for the Faculty of Management, Dalhousie University, January 2017.
15. Chair of the Canadian Philosophical Association Equity Committee Panel on *Decolonizing Philosophy*, presented to the Canadian Philosophical Association (University of Calgary), June 2016.
16. Roundtable panel member for *Chilly Climates: Gendered Politics and Sexualized Violence in Canadian Universities*, presented to the Canadian Anthropology Society (CASCA) and the Society for the Anthropology of North America (SANA) (Dalhousie University), May 2016.
17. Panel member for *Faculty Panel Of HOST and On HOST*, presented at The First Annual Conference of the History of Science and Technology (University of King's College), February 2016.
18. Chair for *Backhouse and Beyond: A Public Forum on Rape Culture and the Future of Dalhousie*, hosted by the Gender and Women's Studies Programme and the Dalhousie Student Union, September 2015.
19. Panel member for *Science & Narratives of Nature, East & West – An Encounter*, presented to the Canadian Society for the History and Philosophy of Science (Carleton University), May 2015.
20. Panel member for *The Compliant Academy: Academic Freedom and the Future of University Governance*, organized by the Dalhousie Faculty Association, March 2015.
21. Panel member for the *Forum on Misogyny*, organized by the Gender and Women's Studies Programme and the Dalhousie Student Union (Dalhousie University), January 2015.
22. Chair for book panel on Sarah Richardson's *Sex Itself: The Search for Male and Female in the Human Genome*, at the meeting of the Association for Feminist Epistemologies, Methodologies, Metaphysics and Science Studies and Canadian Society for Women in Philosophy (University of Waterloo), August 2014.
23. Panel member for Novel Tech Ethics Film Series, *Nebraska*, held at the Royal Bank Auditorium in the QEII Health Centre, Halifax, March 2014.
24. Participant in the *Teaching About Science* series of workshops, sponsored by Situating Science, January-March 2014.
25. "The Significance of Situating Science," part of *Circulating Knowledge, Crossing Borders: A Roundtable*, part of *Imagining Canada's Future Initiative*, Dalhousie University, March 2014.
26. Organizer and moderator for "Conversations Across Feminist Theory, Disciplines,

- Activisms," a panel discussion celebrating International Women's Day with Isabelle Stengers, Susan Sherwin, and Afua Cooper, University of King's College, March 2012.
27. Informal, invited presentation as part of the "Ideas are Free" meeting, organized by U. of Occupy, at Dalhousie University, November 2011.
 28. Panel member for "Neuroimaging Technologies: Promises and Issues," held as part of Brain Awareness Week, sponsored by the Neuroscience Institute, Dalhousie University, March 2011.
 29. Observer at the *Conference for Science, Spirituality and Education*, sponsored by the government of Sikkim and the Namgyal Institute of Tibetology, Gangtok, India, December 2010.
 30. Moderator for the Situating Science Atlantic Node *Sci Fi Film and Panel Discussion Series*, Halifax, October 2010.
 31. Panel member for Novel Tech Ethics Film Series, *Minority Report*, held at the Royal Bank Auditorium in the QEII Health Centre, Halifax, March 2010.
 32. Attendee of the *Tree of Life Workshop*, held at the University of King's College, August 2009.
 33. Debater contra Dr. John Spencer on "Universal Moral Principles? What is the Physical or Metaphysical Basis of Value?" held as part of *Speak Here in Plain Sight (S.H.I.P.S.)*, University of King's College, March 2009.
 34. Poster presentation of "Ethical Challenges and Interpretive Difficulties with Non-Clinical Applications of Pediatric fMRI," with Andrew Fenton and Françoise Baylis, hosted by the National Research Council and the Institute for Biodiagnostics (Atlantic) held with *Advances in Biomedical Imaging*, Halifax, Nova Scotia, October 2008.
 35. Poster presentation of "Neuroethics Considerations and *Minority Report*," with Timothy Krahn and Andrew Fenton, hosted by the National Research Council and the Institute for Biodiagnostics (Atlantic) held with *Advances in Biomedical Imaging*, Halifax, Nova Scotia, October 2008.
 36. Commentary on "Do Natural Kinds Violate Naturalism?" by Mary Butterfield, presented at the meeting of the Canadian Philosophical Association (University of British Columbia), June 2008.
 37. Panel member for "Ethics and Research...Or Why Shouldn't the Medical Scientist Play God" (organized by Tim Holland), as part of Humanities Days (Dalhousie University, May 2008).
 38. Panel member for "New Approaches to First-Year Teaching," at the Dalhousie University Faculty of Arts and Social Sciences Annual Retreat (April 2007).
 39. Book panel member for "Elisabeth Lloyd's *The Case of the Female Orgasm*," presented to the Canadian Philosophical Association and the Canadian Society for Women In Philosophy (York University), May 2006.
 40. Commentary on "Bridging the Gap between Math and Art by way of *Goodman's Languages of Art*," by Elana Geller, presented at the meeting of the Canadian Philosophical Association (University of Western Ontario), May 2005.
 41. Invited 'Business Leader', speaking on business ethics, at the Global Vision Junior Team Canada Networking Luncheon in London, Ontario, June 2004.
 42. "The Lysistrata Project," presentation given to the Women's Studies Mini-Conference at King's College, University of Western Ontario, March 2003.
 43. Director of a staged reading of Plato's *Meno* (translated and produced by Dr. Janet Sisson), presented at the Canadian Philosophical Association (University of Alberta), May 2000.

44. Commentary on “Nietzsche and the Rhetoric of the Drives,” by Noah Horwitz, presented at the Midsouth Philosophy Conference (University of Memphis), February 1999.
45. “Opening Remarks,” the Gender Research Symposium (University of Calgary), March 1997.

TEACHING AND SUPERVISION

Current Teaching at Dalhousie University

PHIL 1050 **Ethics in Science**
 PHIL 3420/5420/Biology 3580 **Philosophy of Biology**

Previous Teaching Experience

- 2004-2019 Department of Philosophy, Dalhousie University
 PHIL 1010 **Introduction to Philosophy (Writing Intensive)**
 PHIL 1050 **Ethical Issues in Science**
 PHIL 2160/Gender and Women’s Studies 2500 **Philosophical Issues of Feminism**
 PHIL 2170 **Philosophy of Sex and Love**
 PHIL 2660 **Understanding Scientific Reasoning**
 PHIL 2680 **Ethics in Science**
 PHIL 3051/5051 **Epistemology**
 PHIL 3420/5420/Biology 3580 **Philosophy of Biology**
 PHIL 3670/5670 **Philosophy of Science**
 PHIL 4500/5500/Women’s Studies 4500/5500 **Topics in Feminist Philosophy: Current Trends in Feminist Epistemology**
 PHIL 4500/5500/Gender and Women’s Studies 4500/5500 **Topics in Feminist Philosophy: Sex, Sexism and Sexuality: Feminist Critiques of Biology**
 PHIL 4500/5500/Gender and Women’s Studies 4500/5500 **Topics in Feminist Philosophy: Embodiment and Agency**
 PHIL 4680/5680 **Topics in Philosophy of Science: Seeing, Representing and Knowing: Perspectives on the Epistemology of Images in Science**
- 2000-2004 Lecturer, Department of Philosophy, University of Western Ontario for
 PHIL 162F **Business Ethics.**
 PHIL 152E **Biomedical Ethics.**
 PHIL 134E **Introduction to Philosophy of Science** (Distance Studies).
 PHIL 020E **Introduction to Philosophy.**
- 2002 Lecturer, Centre for Women’s Studies and Feminist Research, University of Western Ontario, WS 253: **Lesbian Theory and Issues.**
- 1999-2001 Instructor, Department of Philosophy, University of Western Ontario,
 PHIL 155E: **Philosophical Issues in Feminism.**

Postdoctoral Supervision

1. Co-supervisor (with Dr. Gordon McOuat) for Dr. Jobin M. Kanjirakkat, for the SSHRC funded Partnership Development Project, *Cosmopolitanism and the Local in Science and Nature, East and West*, Department Philosophy, Dalhousie University and the History of Science and

Technology Programme, University of King's College (2015-2017).

2. Co-supervisor (with Drs. W. Ford Doolittle [principal supervisor] and Gordon McOuat) for Dr. Austin Booth, Departments of Philosophy and Biochemistry and Molecular Biology, Dalhousie University (2014-2016).

Graduate Thesis Supervision

1. Ph.D. Thesis Co-supervisor (with Dr. Gordon McOuat) for *System-Driven Research: Legitimate Experimental Design for Biological/Biomedical Research*, by Dr. Eve Roberts, Department of Philosophy, Dalhousie University, 2015.
2. Ph.D. Thesis Supervisor for *Intelligent Design, Science and Sexual Politics* by Sharon Woodill, Interdisciplinary Ph.D. Programme, Dalhousie University, 2014.
3. M.A. Thesis Supervisor for *A Call for Humility: Human Supremacy Through a Biological Lens* by Carling Bergquist-Terplawy, Department of Philosophy, Dalhousie University, 2019.
4. M.A. Thesis Supervisor for *An Interest-Based Account of Police Service Dog Labour Rights*, by Oliver Boettcher, Department of Philosophy, Dalhousie University, 2018.
5. M.A. Thesis Supervisor for *"The Taming of Savagery": Kantian Perspectives on Animal Embodiment and Human Dignity*, by Andrew Lopez, Department of Philosophy, Dalhousie University, 2017.
6. M.A. Thesis Co-supervisor (with Mélanie Frappier) for *Does Quantum Mechanics Establish the Final Failure of Causality?* by MacGregor Malloy, Department of Philosophy, Dalhousie University, 2017.
7. M.A. Thesis Supervisor for *Illocutionary Autonomy: Moral Responsibility for Disabling Speech Acts* by Michelle Laplante, Department of Philosophy, Dalhousie University, 2014.
8. M.A. Thesis Supervisor for *Science Fiction Thought Experiments in Bioethics* by Jasmine Smart, Department of Philosophy, Dalhousie University, 2012.
9. M.A. Thesis Supervisor for *Making Evolution Relevant in Psychiatry: Evolutionary Developmental Biology as a Foundation for Psychiatry* by Christopher Chalmers, Department of Philosophy, Dalhousie University, 2011.
10. M.A. Thesis Co-supervisor (with Dr. Sue Campbell) for *Cultural Appropriation and the Politics of Difference*, by Anna Sheridan-Jonah, Department of Philosophy, Dalhousie University, 2010.
11. M.A. Thesis Supervisor for *Scientific Realism and the Problem of Inconsistency: A Look at the Views of Brown and Cartwright*, by Michael Gabriel, Department of Philosophy, Dalhousie University, 2006.

Undergraduate Honours Thesis Supervision

1. Honours Thesis Supervisor for *The Reproductive Rights of Domesticated Animal Citizens in the Zoopoietic Paradigm*, by Oliver Boettcher, Department of Philosophy, Dalhousie University, 2017.
2. Honours Thesis Supervisor for *A Confutation of Knowledge as a Natural Kind*, by David Adam Cavanaugh, Department of Philosophy, Dalhousie University, 2012.
3. Honours Thesis Supervisor for *The Bad Touch: Masculinity, Man Hands, and Care Giving* by Shane Bryson, Department of Philosophy, Dalhousie University, 2012.

4. Honours Thesis Supervisor for *Is 'True Enough' True Enough for Contextualism?* by Alison Kepkay, Department of Philosophy, Dalhousie University, 2011.
5. Honours Thesis Supervisor for *How Conceptualizing Gender as Orientation Unites Two Discourses to Reveal the Profound Realities of the Gendered Body*, by Zenia Mulhern, Department of Philosophy, Dalhousie University, 2010.
6. Honours Thesis Supervisor for *'Your fetus? ...Don't say that! It's your baby: ' Ultrasound's role in constructing fetal personhood*, by Elizabeth Fraser, Contemporary Studies Programme, University of King's College/Dalhousie University, 2009.
7. Honours Thesis Supervisor for *The Genetic Paradigm and Developmental Systems Theory: Determining a Developmental Science*, by Holly Langille, Contemporary Studies Programme, University of King's College/Dalhousie University, 2008.

Graduate Thesis External Examination

1. Ph.D. External Examiner for *A Constructive Critical Assessment of Feminist Evolutionary Psychology* by Sara Weaver, Department of Philosophy, University of Waterloo, December 2017.
2. M.A. External Examiner for *To Play is to be Free, to Game is to be Ruled: A Study of Dangers in Which the Concept of Playing Is Mixed Up With Gaming* by S. Lowell Soderman, Humanities Program, Laurentian University, 2018.

Graduate Thesis Internal Examination and Committee Membership

1. Ph.D. Committee Member for *An Ethics of Attention* by Warren Heiti, Department of Philosophy, Dalhousie University, 2014.
2. Ph.D. Committee Member for *The Philosophy and Physics of Relationality and Inherent Nature: Śūnyatā in Madhyamaka Buddhist Philosophy, Western Metaphysics, Philosophy of Science and Physics* by Robert Paul, Interdisciplinary Ph.D. Programme, Dalhousie University, 2013.
3. Ph.D. Committee Member for *Respect and Health Care Ethics: Respect, Social Power and Health Policy* by Meredith Schwartz, Department of Philosophy, Dalhousie University, 2011.
4. M.A. Thesis Examiner for *Art, Mind, and Evolution* by Alyssa Robichaud, Department of Philosophy, Dalhousie University, 2017.
5. M.A. Thesis Examiner for *Dissecting Race: An Examination of Anatomical Illustration and the Absence of Non-White Bodies* by Katherine Cober, Department of Philosophy, Dalhousie University, 2015.
6. M.A. Thesis Examiner for *The Formal Foundations of Our Epistemic Practices* by Jamaal Hyder, Department of Philosophy, Dalhousie Philosophy, 2014.
7. M.A. Thesis Examiner for *Epistemic Injustice: Understanding Across Difference* by Marisa Webster, Department of Philosophy, Dalhousie University, 2011.
8. M.A. Thesis Examiner for *Justifying Hard Paternalism in Research Ethics* by Tyler Pulley, Department of Philosophy, Dalhousie University, 2010.
9. M.A. Thesis Examiner for *Radical Scepticism's Presuppositions* by Ashley Pringle, Department of Philosophy, Dalhousie University, 2008.
10. M.A. Thesis Examiner for *Is Simplicity an Epistemic Virtue* by Eve Roberts, Department of Philosophy, Dalhousie University, 2008.

11. M.A. Thesis Examiner for *Social Dependency: A Study of the Implications of Institutions and Social Practices on Virtue* by Allison Hines, Department of Philosophy, Dalhousie University, 2007.
12. M.A. Thesis Examiner for *Phor-play: A Look at Deep and Widespread Metaphor* by Jeremy McMillan, Department of Philosophy, Dalhousie University, 2007.
13. M.A. Thesis Examiner for *Emotional Responsibility: The Ethical Implications of Emotional Control* by Devin Ens, Department of Philosophy, Dalhousie University, 2006.
14. Honours Thesis Reader for *Female Genital Alterations through the Lens of Feminist Relational Autonomy* by Emma Morgan Thorp, Gender and Women's Studies Programme, Dalhousie University, April 2011.

Comprehensive Exam Examiner

- Philosophy Ph.D. - Philosophy of Science, 2008 - present.
 Philosophy Ph.D. - Epistemology, 2008 - 2016.
 Philosophy Ph.D. - History of Philosophy (Modern), 2008 - present.
 Interdisciplinary Ph.D. - Physics and Philosophy of Science, 2008.

Preliminary Examiner

- Biology Ph.D. - "Us vs. Them: Symbolic marking of nonhuman cultural groups," by Shane Gero (external reader) 2011.

Reading Courses

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| 2018 | (with Kirstin Borgerson) GWST 4xxx: Feminist Epistemology |
| 2017 | (with Andrew Fenton), PHIL 4980/5980: Philosophy of Animal Minds |
| 2015 | PHIL 5960: Recent Work in Critical Animal Philosophy |
| 2009 | PHIL 5960: Contemporary Discussions in Feminist Social Epistemology |
| 2008 | PHIL 4980: The Construction of Ignorance through Biomedical Imaging |
| 2007 | PHIL 5980: Biology, Value and the Naturalized Turn in Philosophy |
| 2006 | GWST 3000: The Case of the Female Orgasm: Further Investigations |

SERVICE

Administrative Positions within the University

1. Acting Graduate Coordinator, Department of Philosophy, Dalhousie University, January - June 2015.
2. Acting Graduate Coordinator, Department of Philosophy, Dalhousie University, July-December 2012.
3. Acting Coordinator, Gender and Women's Studies Programme, Dalhousie University, January-June 2006.

Conference and Workshop Organizing Experience

1. Member of the organizing committee for the Canadian Animal Law Conference, Dalhousie University, October 2019.

2. Co-organizer for *Shaping a More Just Bioethics: A Celebration of the Work of Susan Sherwin*, part of the 200th anniversary celebrations for Dalhousie University, May 2018.
3. Member of the organizing committee for FEMMSS 6, the sixth biennial meeting of the Association for Feminist Epistemologies, Methodologies, Metaphysics and Science Studies, hosted by the Notre Dame University, October 2016.
4. Member of the Senate Workshop Planning Group, *Share Cuz You Care*, November 2015.
5. Member of the organizing committee for FEMMSS 5, the fifth biennial meeting of the Association for Feminist Epistemologies, Methodologies, Metaphysics and Science Studies, hosted by the University of Waterloo, August 2014.
6. Member of the organizing committee for the 2013 meeting of the Atlantic Region Philosophical Association (ARPA), Dalhousie University, October 2013.
7. Member of the organizing committee for a workshop, *Human Relationships with Canids, from the Home Front to the Wild Side*, hosted by the Animal Studies Group, July 2013.
8. Member of the local organizing committee for the 2012 meeting of the International Society for the History of Philosophy of Science (HOPOS), hosted by Dalhousie University and the University of King's College, June 2012.
9. Member of the conference committee for FEMMSS 4, the fourth biennial meeting of the Association for Feminist Epistemologies, Methodologies, Metaphysics and Science Studies, hosted by the Rock Ethics Institute, Pennsylvania State University, May 2012.
10. Member of the local organizing committee for *Circulating Knowledge East and West*, hosted by the Situating Science Knowledge Cluster at the University of King's College, July 2010.
11. Co-chair of the organizing committee for *Science without Data? The Role of Thought Experiments in Empirical Investigations* (a workshop), hosted by Dalhousie University and the University of King's College, June 2010.
12. Co-chair of the local organizing committee for the 2009 meeting of the Hume Society Conference, "Naturalism and Hume's Philosophy," hosted by Dalhousie University and the University of King's College, August 2009.
13. Chair of the organizing committee for the Canadian Society for Women In Philosophy 2005 Conference, "Agency and Embodiment," hosted by Dalhousie University, Mount Saint Vincent University, Saint Mary's University, and the University of King's College, October 2005.
14. Member of the organizing executive for the Association for Feminist Epistemology, Metaphysics, Methodology and Science Studies (FEMMSS), at the University of Washington, November 2004.
15. Member of the organizing committee for a meeting of the Society for Analytic Feminism, hosted by the University of Western Ontario, June 2004.
16. Member of the organizing committee for "Challenges of the Academic Journey: A Symposium on Women in the Sciences and Engineering at UWO," at the University of Western Ontario, May 2004.
17. Member of the organizing committee for the Canadian Society for Women In Philosophy 2003 Conference, "Objectivity and Subjectivity," at the University of Western Ontario, October 2003.
18. Member of the organizing committee for the Gender Research Symposium at the University of Calgary, March 1997.

Referee for the Following Journals and Book Publishers

Accountability in Research (2009)
Canadian Journal of Philosophy (2008, 2014, 2015, 2020)
Corvus (Undergraduate Journal of Philosophy) (2011, 2012)
Dialogue (2013, 2018)
Feminist Philosophy Quarterly (2016)
Hypatia (various)
Informal Logic (2010)
Journal of Social Philosophy (2019, 2020)
Journal of Undergraduate Science Today (2010)
Philosophy of Science (2015)
Philosophical Psychology (2008, 2010)
Signs (2015)
Social Epistemology (2012)
Spontaneous Generations (2012)
Studies in History and Philosophy of Science (2013, 2016)
Synthese (2018, 2019, 2020)
Routledge (2017)
Springer (2014, 2017)

Referee for the Following Professional Societies and Organizations

Canadian Philosophical Association (various)
Canadian Society for Women In Philosophy (various)
Association for Feminist Epistemologies, Methodologies, Metaphysics and Science Studies (various)
Western Canadian Philosophical Association (2010, 2014)
National Science Foundation (US) – Research Grant (2014)
Social Sciences and Humanities Research Council (Canada) – Insight Grant (2013)

Other Professional Service – University

1. Austin-Hempel Speaker Series coordinator (Philosophy Department), 2016-present.
2. Colloquium Series Organizer, Philosophy Department, January 2015 – August 2019; July 2020-present.
3. Faculty Senator, representing the Faculty of Arts and Social Sciences, Dalhousie University Senate, 2010-2012, 2014-2017, 2020-2023.
4. Chair, Appointments Committee for Director of the History of Science and Technology Programme, University of King's College, 2017-2018.
5. Member, FASS Professional Development Committee, 2017-2019.
6. Member, Senate Planning and Governance Committee, 2016-2017.
7. Member, Ad Hoc Committee of Senate on Senate Composition, 2016.
8. Member, ADAC Rapid Task Force on Ethics Across the Curriculum, 2016.
9. Member, Ad Hoc Senate Workshop Planning Group, 2016.
10. Member, Gender and Women's Studies Steering Committee, 2009-2012, 2015-2020.
11. Member, Senate Principles and Values Workgroup, Dalhousie University, 2014-2016.

12. Member, Contemporary Studies Programme Joint Council (University of King's College/ Dalhousie University), 2011-2012, 2013-14.
13. Member, Appointments Committee for Chair of the Contemporary Studies Programme, University of King's College, 2012.
14. Member, Faculty of Arts and Social Sciences Student Affairs Committee, 2009-2012.
15. Member, Appointments Committee for Chair of the History of Science and Technology Programme, University of King's College, 2010.
16. Committee member of the Part-Time and Sessional Teaching Award Committee, 2011.
17. Philosophy Department coordinator for the Dalhousie University Open House (October) and Academic Fair (January), 2004-2010.
18. Faculty Advisor for the Dalhousie Undergraduate Philosophy Society, 2007-2010.
19. Co-chair of the Ad Hoc Committee of Graduate Students on the Doctoral Program in the Department of Philosophy, University of Western Ontario, 2002-2003.

Other Professional Service – the Profession

1. Website designer for the Association for Feminist Epistemologies, Methodologies, Metaphysics and Science Studies (<http://femmss.org>), 2004-present.
2. Member, Canadian Philosophical Association Equity Committee, 2014-2015, 2018-19.
3. Member, Canadian Society for Women In Philosophy Graduate Prize Committee for outstanding paper submission to the annual conference, 2015-2018.
4. Member, 2018 Insight Development Grants committee for the Social Sciences and Humanities Research Council, 2018.
5. Chair, Canadian Philosophical Association Equity Committee, 2016-2017.
6. Co-Chair, Canadian Philosophical Association Equity Committee, 2013-2014, 2015-2016, 2017-2018.
7. Node Co-Manager, Halifax Node of the Situating Science SSHRC Knowledge Cluster, 2009-2015.
8. Member, Programme Committee for the Canadian Society for the History and Philosophy of Science, 2014.
9. Committee member, 2011 Student Science Writing and Video Competition, sponsored by the Nova Scotian Institute of Science and the Local Atlantic Node of the Situating Science SSHRC Knowledge Cluster.
10. Co-organizer for the Situating Science Atlantic Node *Sci Fi Film and Panel Discussion Series*, October 2010.
11. Archive liaison for the University of Western Ontario Caucus on Women's Issues, 2002-2004.
12. Newsletter editor for the University of Western Ontario Caucus on Women's Issues, 1999-2002.

Other Professional Service – Media Interviews and Opinion Pieces (Print)

1. Email interview for "Scientists went to China to create controversial human-monkey embryos," by George Dvorsky, *Gizmodo*, August 2, 2019, <<https://gizmodo.com/scientists-went-to-china-to-create-controversial-human-1836913597>>.

2. Interview for “‘It just really ethically scares me’: Caution urged as scientists look to create human-monkey chimeras,” by Sharon Kirkey, *National Post*, July 2, 2019, <<https://nationalpost.com/news/canada/it-just-really-ethically-scares-me-caution-urged-as-scientists-look-to-create-human-monkey-chimeras>>.
3. Interview for “Chinese scientists give monkeys human brain genes in ‘morally risky’ experiment,” by Sharon Kirkey, *National Post*, April 12, 2019, <<https://nationalpost.com/health/chinese-scientists-give-monkeys-human-brain-genes-in-morally-risky-experiment>>.
4. Interview for “Dalhousie president stirs controversy with book on campus dissent,” by Brett Bundale, *National Post (Canadian Press)*, February 1, 2019, <<https://nationalpost.com/pmn/news-pmn/canada-news-pmn/dalhousies-interim-president-stirs-controversy-with-book-on-campus-dissent>>.
5. Interview for “Court denied chimpanzee rights bid,” by Stuart Peddle, *Chronicle Herald*, May 13, 2018, <<https://www.saltwire.com/news/court-denies-chimpanzee-rights-bid-209981/>> (also in *Truro Daily News*).
6. Interview for “Dal philosophers join the call for chimpanzee rights,” by Stuart Peddle, *Chronicle Herald*, April 25, 2018, <<https://www.saltwire.com/news/dalhousie-philosophers-join-cause-to-help-chimpanzees-204832/>> (also in *Truro Daily News*).
7. Interview, “Friends of the court – and of chimps,” by Cherry Au for *Dal News*, April 6, 2018, <<https://www.dal.ca/news/2018/04/06/friends-of-the-court--and-of-chimps.html>>.
8. Email interview for “Dalhousie faculty pen letter in support of Masuma Khan,” by Maggie Rahr, *The Coast*, October 23, 2017 <<https://www.thecoast.ca/RealityBites/archives/2017/10/23/dalhousie-faculty-pen-letter-in-support-of-masuma-khan>>.
9. Part of “Free gorillas,” with Gillian Crozier, Andrew Fenton and Brett Buchanan, Letter to editor, *Maclean’s* 129:25, 7 (June 27, 2016) <<http://www.macleans.ca/society/letters-lets-move-on-to-more-important-subjects/>>.
10. “Report into dentistry scandal says sexism at Dalhousie faculty isn’t isolated,” by Michael MacDonald for the *Canadian Press*, June 29, 2015, <<http://www.nationalnewswatch.com/2015/06/29/dalhousie-task-force-calls-for-overhaul-of-complaint-system/#.VZHLqUbmlm4>>.
11. “Opinion: A Fixation on the Dalhousie Details Misses the Bigger Picture,” *The Globe and Mail*, January 8, 2015 <<http://www.theglobeandmail.com/globe-debate/a-fixation-on-the-dalhousie-details-misses-the-bigger-picture/article22360052/>>.
12. Interview, “Getting to the Heart of Sex and Love,” by Ryan McNutt for *Dal News*, February 14, 2014 <<http://www.dal.ca/news/2014/02/14/getting-to-the-heart-of-sex-and-love.html>>.
13. Interview, “Prof Talk: Letitia Meynell – The Philosophy of Sex and Love,” by Hilary Stamper for *The Dalhousie Gazette* 114:14 (Feb. 10-16, 2012) <<http://dalgazette.com/arts-culture/prof-talk-letitia-meynell/>>
14. Interview, “Sci-fi Films a Peek into the Future,” by Andrea Nemetz, for *The Chronicle Herald* (Oct. 4, 2010).
15. Interview, “Alien Life Forms and Virtual Lives,” by Marilyn Smulders, for *Dal News*, October 1, 2010 <<http://www.dal.ca/news/2010/10/01/scifi.html>>.
16. Interview, “Sites Breast Intentions,” by Richard Woodbury, for *The Chronicle Herald* Dec. 4, 2007: B3

Other Professional Service – Media Interviews and Opinion Pieces (Radio, TV, Podcasts)

1. Interview for *Scott Thompson Show*, on Transgenic Monkeys, Global News Radio CHML 900 (Hamilton), April 15, 2019.
2. *The Ethics of Zoos*, Andrew Fenton and Letitia Meynell, for *Now You Know with Kathryn and Gen* (podcast), February 2019, < <https://nowyouknow.ca/is-captivity-ethical-andrew-fenton-and-letitia-meynell/>>.
3. Interview for *Morning with Gene Valaitis*, on Chimpanzee Personhood and the Philosophers' Brief, Roadhouse Radio 98.3 (Vancouver), May 2, 2018.
4. Interview for *The Newsfeed with Kristy Cameron*, on Chimpanzee Personhood and the Philosophers' Brief, Newstalk 580 CFRA (Ottawa), April 29, 2018.
5. Interview for *The Sheldon MacLeod Show*, on the Chimpanzee Personhood and the Philosophers' Brief, News 95.7, April 26, 2018, <http://pmd.news957.com/podcasts/atlantic_talk_shows/SMshow/2018.04.26-1300.mp3> (starts at the 20 minute mark).
6. Interview with Ron Shaw for “‘It’s an injustice’: Canadian profs join fight to have chimps declared persons,” *CTV News* (Halifax), April 25, 2018, <<https://atlantic.ctvnews.ca/dalhousie-professors-say-chimpanzees-should-have-rights-1.3902709>>.
7. Interview with Bob Murphy, on the Chimpanzee Personhood and the Philosophers' Brief, for CBC's *Mainstreet* (April 25, 2018).
8. “A daughter’s call for physician assisted death,” Commentary for *Information Morning*, September 16, 2015, text available at <<http://impactethics.ca/2015/09/16/a-fate-worse-than-death/>>.
9. Interview with Don Connolly, “Advice for Dal on how to move forward,” *Information Morning*, July 2, 2015.
10. Interview for *The Rick Howe Show*, on the Philosophy of Sex and Love, News 95.7, February 14, 2014.
11. Interview with Rebecca Lau, as part of “Combining Pornography with Education,” for *Global News* (Halifax), February 12, 2014 <<http://globalnews.ca/news/1145749/combining-pornography-with-education/>>.

Professional Membership

Halifax Animal Studies Group, Dalhousie University

Association for Feminist Epistemologies, Methodologies, Metaphysics and Science Studies (FEMMSS)

Atlantic Region Philosophy Association (ARPA)

Canadian Philosophical Association (CPA)

Canadian Society for the History and Philosophy of Science (CSHPS)

Canadian Society for Women In Philosophy (CSWIP)

Centre for Evolutionary Ecology and Ethical Conservation, Laurentian University (CEECP)

Evolution Studies Group, Dalhousie University

GZJ KDKV'32''

Curriculum Vitae
Nathan Nobis, Ph.D.

203 Adair St. Decatur, GA 30030

Nathan.Nobis@gmail.com; NathanNobis.com; 404-480-2717 (cell)

Employment

2006 – current: Associate Professor (with tenure, 2014); previously, Assistant Professor, Philosophy, Morehouse College, Atlanta, GA

2009 – current: Adjunct Assistant Professor of Community Health & Preventive Medicine, Morehouse School of Medicine, Atlanta, GA. Provide bioethics support for a large cancer research and outreach project.

2007 – 2015: Adjunct Professor of Animal Studies, *Humane Society University*, Humane Society of the United States, Washington, DC. (Program closed)

2005-2006: Visiting Assistant Professor of Philosophy, University of Alabama, Birmingham.

Education

Ph.D., University of Rochester, 2005, Philosophy

M.A., Northern Illinois University, 1999, Philosophy

B.A., Wheaton College, IL, 1996, Philosophy, Psychology

[Logic-Based Therapy Certification, Institute of Critical Thinking, 2012.](#)

Areas of Research Specialization

Applied or Practical Ethics (especially Bioethics), Ethical Theory, Critical Thinking

Areas of Teaching Competence

Philosophy of Religion, Epistemology, Philosophy of Race

Interdisciplinary Interests

Philosophy and Psychotherapy, Philosophy and Family Law

Editorships

Lead Editor of *1000-Word Philosophy: An Introductory Anthology*, since 2018.

www.1000WordPhilosophy.com

Teaching

Courses taught at Morehouse College, unless otherwise noted: see nathannobis.com/p/courses.html for more information:

- *Introduction to Philosophical Ethics*: 2 sections every semester, 1 in summer, since fall 2006. Attempted to teach the course online in Summer 2019; will teach online in spring 2020.

Topics include: logic, moral theories and theories of justice, the treatment of disabled newborns, genital mutilation, sexual ethics, homosexuality, abortion, absolute poverty, racism, sexism, and speciesism, reparations for historic injustices, affirmative action; euthanasia and assisted suicide, vegetarianism and the treatment of animals, drug use and the criminalization of drug use, the ethics of grading and extra credit, and more.
- *Philosophy of Religion*: almost every 3rd semester since spring 2007.
- *Modern Philosophy* (Descartes- Hume): every third semester since 2014.
- *Bioethics*: every other year or so, since 2006.

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- *Metaphysics*: Fall 2008, Fall 2010, Fall 2018.
- *Modern Political Philosophy*, spring 2020.
- *Animals & Ethics: Violence or Non-Violence?* Jmester, week-long course, January 2017 & 2018.
- *Ethics, Justice and Social Justice*. Jmester 2020.
- *Aesthetics & Philosophy of the Arts*: Spring 2019.
- *Philosophy of Education*: Spring 2013:
- *Philosophy of Science*: co-instructor, Fall 2012.
- *Philosophy of Sex and Gender*: Spring 2012.
- *Advanced Ethics*: Spring 2009.
- *Introduction to Philosophy*: Spring 2009.
- [*Bioethics / Values in the Sciences, a Project IMHOTEP – Public Health Program – 4-hour mini course, Summer 2009; Summer 2010\).*](#)
- [*Animals and Ethics: AS305/AS605 \(Humane Society University, sponsored by the Humane Society of the United States\). 8-week course online course taught approximately every year from 2008-2015.*](#)
- Guest lectures in courses on bioethics, ethics or philosophy at Morehouse Biology department; Morehouse Medical School; Tuskegee Institute; Emory psychology department; Georgia State philosophy; Georgia State biomedical research; Oglethorpe. Lecture on journalism and ethics for Morehouse journalism course.
- [*Philosophical Ethics, 2013, 5-week summer “adult education” course at the Unitarian Universalist Congregation of Atlanta.*](#)

Books

- ***Thinking Critically About Abortion***. Kristina Grob, co-author. Open Philosophy Press, 2019. www.AbortionArguments.com (an open-access book).
- ***Chimpanzee Rights: The Philosophers’ Brief***. Andrews, K., Comstock, G.L., Crozier, G.K.D., Donaldson, S., Fenton, A., John, T.M., Johnson, L.S.M., Jones, R.C., Kymlicka, W., Meynell, L. and Nobis, N., Routledge, 2018. Developed out of an *amicus brief* 16 philosophers co-wrote at the request of an animal law organization for a case.
- ***Animal Ethics 101: Thinking Critically About Animal Rights***. Open Philosophy Press, 2016. www.AnimalEthics101.com (an open-access textbook)
- Booklet: [*Real Life: This is not a Game: Personal Finance for Young Adults*](#) (Amazon, 2017)

In Preparation

- ***Making Moral Progress: An Ethical Arguments Workbook*** (open-access textbook, with Scott McElreath, Peace College, NC): MakingMoralProgress.blogspot.com
- ***A Rulebook for Students: Success in College & Beyond*** (an open-access textbook): RulebookForStudents.blogspot.com/
- “Is your opinion on abortion wrong?” for *The Conversation*, with Kristina Grob, and some other public writings on abortion with other co-authors.
- Under consideration and development: contributing to a “debate” book on the topics of drugs, imprisonment and government regulations. In discussion with the book series editor and seeking an opposing author for the book.

Curriculum Vitae
Nathan Nobis, Ph.D.

Articles and Chapters All publications available at <https://morehouse.academia.edu/NathanNobis>

Invited (and peer-reviewed)

1. “Why *Ethical* Animal Care and Use Committees (IACUCs) Need Ethicists” (for the *ILAR – Institute for Lab Animal Research – Journal*, invited, forthcoming, for special 2020 issue on ethics and animal research).
2. “Early and Later Abortions: Ethics and Law,” in Bob Fischer, ed., *Ethics: Left and Right*, Oxford, 2020. Also in volume, “Reply to Christopher Tollefsen on Abortion.”
3. “Bioethics and Cancer Biomarker Research” (with Stephen Sodeke and William Grizzle), *Biomarkers in Cancer Screening & Early Detection*, ed. Sudhir Srivastava (2017 Wiley).
4. “Tom Regan on ‘Kind’ Arguments,” in *The Moral Rights of Animals* edited by Mylan Engel and Gary Comstock (Lexington Books, 2016).
5. “An Argument for Veganism” (with Dan Hooley), in *Philosophy Comes to Dinner*, edited by Andrew Chignell, Terrance Cuneo and Matt Halteman (Routledge, 2015).
6. “Rational Engagement, Emotional Response and the Prospects for Progress in Animal Use ‘Debates,’” (2012). In Jeremy Garrett (ed.) *Animal Research in Theory and Practice* (237-266). MIT Press: Basic Bioethics Series.
7. “Peter Singer,” (2009). Entry in *Encyclopedia of Environmental Ethics and Philosophy*, eds. J. Baird Callicott and Robert Frodeman (Gale-Thompson Publishing), 245-247.

Peer-Reviewed (but not invited):

1. “Making Ethics Happen: Addressing Injustice in Health Inequalities,” (with Stephen Sodeke) *American Journal of Bioethics*, March, 2020; 20(4):100-101.
2. “Moral Experts and Disagreements” (with Jon Matheson & Scott McElreath), in Watson J., Guidry-Grimes L. (eds) *Moral Expertise: New Essays from Theoretical and Clinical Bioethics*. Springer, 2018.
3. “Xenotransplantation, Subsistence Hunting and the Pursuit of Health: Lessons for Animal Rights-Based Vegan Advocacy,” *Between the Species*, Vol. 21: Issue. 1, 2018, Article 8.
4. “The ethics of animal research: a survey of the public and scientists in North America.” Joffe, A. R., Bara, M., Anton, N., & Nobis, N. (2016). *BMC medical ethics*, 17(1),
5. “The ethics of animal research: a survey of pediatric health care workers.” Joffe, A. R., Bara, M., Anton, N., & Nobis, N. (2014). *Philosophy, Ethics, and Humanities in Medicine*, 9(1), 1.
6. “Racial Health Disparities and Race-Based Bioethics: A Critique of a Critique,” (2013) *The International Journal of Radical Critique*, Volume 2, Number 1.
7. “R.M. Hare’s Irrationalist ‘Rationalism’: A Critique of Universal Prescriptivism,” (2011) *Southwest Philosophy Review*, Volume 27, Issue 1, January 2011, 205-214.
8. “The Harmful, Nontherapeutic Use of Animals in Research Is Morally Wrong,” (2011) *American Journal of the Medical Sciences*, October, Volume 342, Issue 4, 297-304.
9. “Abortion, Metaphysics & Morality: A Review of Francis Beckwith’s *Defending Life: A Moral and Legal Case Against Abortion Choice*,” (2011) *Journal of Medicine and Philosophy*, 36(3): 261-73.
10. “Do Zoos and Aquariums Promote Attitude Change in Visitors? A Critical Evaluation of the American Zoo and Aquarium Study,” (2010), Marino, Lori; Lilienfeld, Scott O.; Malamud, Randy; Nobis, Nathan; Broglio, Ron; *Society and Animals*, Volume 18, Number 2, 126-138.

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Nathan Nobis, Ph.D.

11. “Cut the Fat! Defending Trans Fat Bans,” (2010) (with Molly Gardner) *American Journal of Bioethics-Neuroscience*, 2010, Volume 10, Number 3, 39-40.
 - Cited in Kraak, Colon-Ramos, Monge-Rojas. “Trans fats. Case for a global ban.” *World Nutrition (World Public Health Nutrition Association)*, December 2012, 3, 12, 570-591:
12. “Abortion and Moral Arguments from Analogy,” (2010), co-author Abubakarr Sidique Jarr-Koroma (Morehouse undergraduate student), *The American Journal of Bioethics*, 10: 12, 59-61.
13. “Ought We Accept What Neuroscience Might Imply? Many Questions, Incommensurable Answers?” (2010), *American Journal of Bioethics-Neuroscience*, 1, Issue 4, 45-47.
14. “Interests and Harms in Primate Research,” (2009) *American Journal of Bioethics-Neuroscience*, May, Volume 9, Number 5, 27-29.
15. “Reasonable Humans and Animals: An Argument for Vegetarianism,” (2008) *Between the Species: An Online Journal for the Study of Philosophy & Animals*, Volume 13, Issue 8.
16. “Feminist Ethics without *Feminist Ethical Theory* (or, more generally, Φ Ethics Without Φ *Ethical Theory*)” (2005). *Journal of Philosophical Research*. Volume 30, Issue Supplement. *Ethical Issues for the 21st Century*, 213-225.
17. “Ayer and Stevenson’s *Epistemological Emotivism*,” (2004) *Croatian Journal of Philosophy*, Volume IV, Number 10, 61-81.
18. “Carl Cohen’s ‘Kind’ Argument *For* Animal Rights and *Against* Human Rights,” (2004) *Journal of Applied Philosophy*, Volume 21, Number 1, 43-59.
 - Response: Neil Levy, “Cohen and Kinds: A Response to Nathan Nobis,” (2004) *Journal of Applied Philosophy*, Volume 21, Number 2, 213-217.
 - Reprinted: Clare Palmer, ed., *Animal Rights* (Ashgate, Int’l Library of Essays on Rights, 2008).
19. “The *Real* Problem of Infant and *Animal* Suffering,” (2002) *Philo*, Volume 5, No. 2, 216-225.
20. “What Would Be So Bad If We Rejected Belief in Libertarian Free Will?” (2002) *De Philosophia*, Volume XVI, Number 2, 21-34.
21. “Who Needs the ‘Actual Future Principle’? Harman on Abortion,” (2002) *Southwest Philosophy Review*, Volume 18, Number 2, 55-63.
22. “Vegetarianism and Virtue: Does Consequentialism Demand *Too Little*?” (2002) *Social Theory and Practice*, Volume 28, Number 1, 135-56.
 - Reprinted: Christine Koggel, ed., *Moral Issues in Global Perspective*, 2nd Ed. (Broadview Press, 2006).
 - Reprinted: *Taking Sides: Clashing Views on Moral Issues*, Expanded 14th Edition, edited by Owen Smith and Anne Smith (McGraw Hill, 2016)
23. “Animal Dissection and Evidence-Based Life-Science & Health-Professions Education,” (2002) *Journal of Applied Animal Welfare Science*, Volume 5, Number 2, 155-159.
24. “Vagueness, Borderline Cases, and Moral Realism: Where’s the Incompatibility?” (2000), *Philosophical Writings*, Volume 14, 29-39.
25. “Cultivating Philosophical Skills and Virtues in Philosophy of Education,” *Proceedings of the Midwest Philosophy of Education Society*, 1999, 149-162.
26. “‘Balancing Off’ Infant Torture and Death: A Reply to Chignell,” (2001) *Religious Studies*, Volume 37, 103-108.

Curriculum Vitae
Nathan Nobis, Ph.D.

Dissertation

Title: *Truth in Ethics and Epistemology: A Defense of Normative Realism* (2005)

Committee: Richard Feldman & Earl Conee (co-directors), Edward Wierenga

Synopsis: Common reasons given to think that moral judgments are never true suggest that epistemic and intellectual judgments, e.g., that some beliefs are *rational, justified or should be held*, are never true either. I argue that these epistemic anti-realisms are rationally unacceptable and so that major premises that entail them are false. The main cases against moral realism, which rest on these same premises, are undercut and realisms, moral and epistemic, are defended.

Other Publications

1. [“Why Writing Better Will Make You a Better Person,”](#) with Bob Fischer, in the *Chronicle of Higher Education*, June 4, 2019.
2. [“Abortion and Soundbites: Why Pro-Choice Arguments Are Harder to Make”](#) in *Areo Magazine*, July 23, 2019.
3. “Euthanasia, or Mercy Killing” and “Common Arguments about Abortion” and “Better (Philosophical) Arguments about Abortion,” with Kristina Grob, in [Introduction to Ethics: An Open Educational Resource](#), ed. Noah Levin. NGE Far Press, 2019.
 - “Common Arguments about Abortion” and “Better (Philosophical) Arguments about Abortion” to be reprinted in *College Ethics: A Reader on Moral Issues that Affect You*, 2nd Edition, ed. Bob Fischer. Forthcoming, 2020.
4. “Ethical Egoism,” (2/2/2020), “Euthanasia or Mercy Killing,” (3/5/2019) “Ethics and ‘Extra Credit,’” (2/25/2018), “Responding to Morally Flawed Historical Philosophers and Philosophies” (with Victor Fabian Abundez-Guerra) (7/17/2018) and “Ethics and Abortion,” (3/7/2016) at *1000-Word Philosophy: An Introductory Anthology*.
5. [“Abortion and Animal Rights: Does Either Topic Lead to the Other?”](#) At *What's Wrong? the not quite official blog of cu-boulder's center for values and social policy*. 7/16/2016. Reprinted in *Animals and Ethics 101*.

Invited Book Reviews

1. Reviews of Christine Kosgaard’s *Fellow Creatures* for *The Philosophers’ Magazine*, Issue 87, 4th Quarter 2019 and for “Animals & Society” journal (forthcoming).
2. [Review of Bob Fischer’s *College Ethics: A Reader on Moral Issues that Affect You*. *Teaching Ethics*, 2017.](#)
3. [Review of Sherry Colb and Michael Dorf, *Beating Hearts: Abortion and Animal Rights*, *Notre Dame Philosophy Reviews*, June 26, 2016.](#)
4. [Review of Jonathan Kahn, *Race in a Bottle: The Story of BiDil and Racialized Medicine in the Post-Genomic Age*, *American Journal of Bioethics*, Volume 15, 2015.](#)

Select Presentations:

- [“Is it us, or is it them? Problems of Ineffective Philosophizing About Abortion,”](#) Association for Practical and Professional Ethics (APPE), Atlanta, GA, February 2020.
- “Integrity and Eating,” [Reimagining Culture: Integrity in Higher Education](#), Emory, April, 2019.
- At Atlanta University Center Library: [Presentation on Public Scholarship – “Don't Hide your Light Under a Bushel,” Sept. 21, 2018;](#) presentation on [“Open Access Textbooks,”](#) March, 2017. (Invited).

Curriculum Vitae
Nathan Nobis, Ph.D.

- “The Limited Relevance of Neuroscience to Moral Reasoning,” (October 2013), *American Society for Bioethics and Humanities conference*, Atlanta, GA. (Invited).
- “Taking it to the Streets: Bioethics and Health Disparities” for the First Bioethics Conference on Cancer Health Disparities Research, January 2012, Tuskegee Institute, AL.
- “Using Surveys in Teaching Philosophy,” (2013) *American Association of Philosophy Teachers*, summer mini-conference, Morehouse College.
- “Moral Progress and Moral Argument Analysis,” *American Association of Philosophy Teachers Conference-Workshop*, Coastal Carolina University, July 29-August 2, 2010.

Select Service to the Profession of Philosophy

- ***1000-Word Philosophy: An Introductory Anthology***, Editor, since 2017; Lead Editor since 2018. 1000WordPhilosophy.com
- [Georgia Philosophical Society](#): past President, Vice-President and current webmaster.
- [Between the Species: A Journal of Ethics & Animals](#), Associate Editor.
- Former member of *American Philosophical Association’s Committee on Teaching Philosophy*.
- [Organized workshop conference for American Association of Philosophy Teachers](#).
- Member, *American Philosophical Association*, *American Association of Philosophy Teachers*.

Select Service to Morehouse College:

- **IRB (Institutional Research Board) Co-Chair**, since 2016 or so. De facto IRB administrator since 2019. Processing and reviewing all human research proposals for ethical and regulatory compliance; providing guidance to researchers on their research protocols.
- **Current Member of Faculty Grievance Committee, Faculty Appeals Committee, and Library Committee**. I have served multiple terms on the Library Committee and the Grievance Committee. Previous member of Curriculum and Educational Policy Committee.

Other:

- *Senior Writing Fellow* at Sentient Media, a non-profit media organization. Since 2020; invited on the basis of accomplishments in writing. <https://SentientMedia.org>
- A small philosophical counseling and consulting practice, *Atlanta Philosophical Counseling*, since 2012. www.AtlantaPhilosophicalCounseling.com

EXHIBIT 11

DAVID M. PEÑA-GUZMÁN

School of Humanities and Liberal Studies
1600 Holloway Ave., HUM 337
San Francisco, CA 94132

Contact Information

Email: davidmpena@gmail.com
Phone: (667) 217-0387
Office: Humanities Building, Room 337

Professional Positions

2017 - Assistant Professor
School of Humanities and Liberal Studies
San Francisco State University – San Francisco, CA,

2016-2017 Hecht-Levi Postdoctoral Research Fellow
Berman Institute of Bioethics
Johns Hopkins University - Baltimore, MD

2015-2016 Postdoctoral Research Fellow
Centre for Evolutionary Ecology and Conservation Ethics
Laurentian University - Sudbury, ON, Canada

Education

2015 Ph.D., Philosophy. Emory University
Dissertation: “The Rational Turn in Continental Philosophy:
Bachelard, Canguilhem, and Foucault”

2012 M.A., Philosophy. Emory University

2009 B.A., Philosophy/Women’s Studies. University of Nevada, Reno

Languages

FULL FLUENCY (native or native-level mastery)
English and *Spanish*

RESEARCH PROFICIENCY (ability to read original manuscripts)
French, Catalan, Italian and *Portuguese*

Publications

BOOKS

1. *Chimpanzee Rights: The Philosophers' Brief* (Routledge, 2018) (co-authored)
Featured in *Forbes* and *The New York Times*.

PEER-REVIEWED ARTICLES

1. Peña-Guzmán, David M. and Jessica Locke. "The Groundlessness of Philosophy: Critiquing the Identity of a Discipline" (forthcoming in *PhiloSOPHIA*).
2. Peña-Guzmán, David M. "Bergson's philosophical method: At the edge of phenomenology and mathematics." *Continental Philosophy Review* 53.1 (2020): 85-101.
3. Peña-Guzmán, David M. "French historical epistemology: Discourse, concepts, and the norms of rationality." *Studies in History and Philosophy of Science Part A* 79 (2020): 68-76.
4. Peña-Guzmán, David M., and Joel Michael Reynolds. "The harm of ableism: Medical error and epistemic injustice." *Kennedy Institute of Ethics Journal* 29.3 (2019): 205-242.
Anthologized in *Ethics and Error in Medicine*, eds. Fritz Allhoff and Sandra L. Borden (Routledge 2019).
5. Spera, Rebekah, and David M. Peña-Guzmán. "The Anatomy of a Philosophical Hoax: The Politics of Delegitimation in Contemporary Philosophy." *Metaphilosophy* 50.1-2 (2019): 156-174.
6. Peña-Guzmán, David M. "Canguilhem's Concepts." *Transversal: International Journal for the Historiography of Science* 4 (2018): 27-46.
7. Peña-Guzmán, David M. "Can nondolphins commit suicide?" *Animal Sentience* 2.20 (2018): 1-22.
8. Peña-Guzmán, David M. "Can nonhuman animals commit suicide?" *Animal Sentience* 2.20 (2017): 1-24.
Featured in *Psychology Today*, *Vice: Australia*, *Faunalytics*, *The Institute of Art and Ideas*, *Talking Animals Podcast*, *Fur-bearers Podcast*, and *NEwstalk National Radio (Ireland)*.
9. Peña-Guzmán, David M., and Rebekah Spera. "The philosophical personality." *Hypatia* 32.4 (2017): 911-927.
10. Peña-Guzmán, David M. "Beauvoir's Reading of Biology in 'The Second Sex.'" *Journal of French and Francophone Philosophy* 24.2 (2016): 259-285.
11. Peña-Guzmán, David M. "A Legal-Political Framework for Feminist Bioethics: The Case of International Gestational Surrogacy." *IJFAB: International Journal of Feminist Approaches to Bioethics* 10.1 (2017): 50-77.
12. Peña-Guzmán, David M. "The Nineteenth Century in Ruins: A Genealogy of French Historical Epistemology." *Foucault Studies* 2110.22439 (2016): 159-183.
13. Peña-Guzmán, David M. "Pathetic Normativity: Canguilhem and Merleau-Ponty's Philosophy of Norms." *Chiasmi International* 15 (2013): 361-384.
14. Seltzer-Kelly, Deborah, Sean J. Westwood, and David M. Peña-Guzman. "Deweyan multicultural democracy, Rortian solidarity, and the popular arts: Krumping into presence." *Studies in Philosophy and Education* 29.5 (2010): 441-457.
15. Seltzer-Kelly, Deborah, Sean J. Westwood, and David M. Peña-Guzman. "A methodological self-study of quantizing: Negotiating meaning and revealing multiplicity." *Journal of Mixed Methods Research* 6.4 (2012): 258-274.

EDITOR-REVIEWED PUBLICATIONS

1. Crozier, G. K. D., et al. "Nonhuman, All Too Human: Toward Developing Policies for Ethical Chimera Research." *Neuroethics and Nonhuman Animals*. Springer, Cham, 2020. 205-219.
2. Peña-Guzmán, David M. "Casting a sheep's eye on science." *Animal Sentience* 4.25 (2019): 6.
3. Thomas, Joelle, and David M. Peña-Guzmán. "Review of Vinciane Despret's *What Would Animals Say If We Asked the Right Questions?*" *PACT Journal* (2019): 1-6
4. Peña-Guzmán, David M. "Not Phenomenology's 'Other': Historical Epistemology's Critique and Expansion of Phenomenology." *The Subject (s) of Phenomenology*. Springer, Cham, 2020. 355-380.
5. Peña-Guzmán, David M. "Catharine MacKinnon," forthcoming in *Encyclopedia of Law and Social Philosophy* (Netherlands: Springer, 2019) (accepted for publication 2017)
6. Peña-Guzmán, David M., and Cynthia Willett. "Emerging Ethics." In *Cambridge History of Philosophy, V8: 1945 to 2010* (Cambridge University Press, 2018) (accepted for publication December 2016)
7. Peña-Guzmán, David M., and G. K. D. Crozier. "Surrogacy as Medical Tourism: Philosophical Issues." *Handbook of Gestational Surrogacy: International Clinical Practice and Policy Issues* (2016): 45-54.
8. Crozier, G.K.D., et al. "Should NIH Fund Research on Human-Animal Chimeras?" *Hastings Center Report* (published August 30, 2016)
9. Peña-Guzmán, David Marcelo, and Rabih Hage. "Bioethics and Wish-Outsourcing: Report from a Case of Brain Axonal Injury." *AJOB Neuroscience* 7.1 (2016): 73-75.
10. Peña-Guzmán, David M. "On the Use and Abuse of Phenomenological Methodology in Neuroscience and Bioethics." *AJOB Neuroscience* 6.4 (2015): 28-30.
11. Crozier, G. K. D., Peña-Guzmán, D., and Albrecht Schulte-Hostedde. "Genetic Integrity, Conservation Biology and the Ethics of Non-Intervention." *Ethics, Policy & Environment* 18.3 (2015): 259-261.
12. Peña-Guzmán, David M. "And The Corpus Still Breathes" (Review of Jennifer Mensch's *Kant's Organicism: Epigenesis And The Development Of Critical Theory* [University of Chicago Press, 2013]), *Con-textos Kantianos: International Journal of Philosophy* 2: 365-9.
13. Peña-Guzmán, David M. Review of Katerina Kolozova's *Cut Of The Real: Subjectivity In Poststructuralist Philosophy* (New York: Columbia UP, 2014). In *Hypatia*, special issue on "Feminist Love Studies in the 21st Century," edited by Ann Ferguson and Margaret Toyne.

TRANSLATIONS

1. "What is Psychology?" Translation of Georges Canguilhem's 1958 essay "Qu'est-ce que la psychologie?" *Foucault Studies* (2016)

LEGAL PUBLICATIONS

1. Amicus Brief on Chimpanzee Personhood Submitted to the NY Appellate Court.

IN PROGRESS

1. "Whale Rights"
2. "Disability and Animals"
3. "Epistemological Recurrence"

Media Presence

ELECTRONIC MEDIA INTERVIEWS

- “Restoring the Love of Reading,” [Teaching in Higher Ed Podcast](#)
- “Universities Experiment with Distraction-Free Zones,” [Enrollment Growth University Podcast](#)
- “Can Nonhuman Animals Commit Suicide?” [Talking Animals Podcast](#)
- “A Discussion on Nonhuman Animal Suicide,” [Fur-bearers Podcast](#)
- “Suicidal Animals? Can Animals Really Kill Themselves?” [Newstalk National Radio in Ireland](#)

PRINT MEDIA INTERVIEWS

Vice Magazine: Australia
The Guardian
The Atlantic Magazine

Honors, Grants, Achievements

FELLOWSHIPS AND AWARDS

2019	Marcus Early Career Research Award. SFSU.
2017	‘Teaching Excellence’ Recognition. The Johns Hopkins Bloomberg School of Public Health. 2017-2018
2016-	Hecht-Levi Postdoctoral Fellowship. The Berman Institute of Bioethics. Johns Hopkins University. Baltimore, MD.
2015 - 16	Postdoctoral Research Fellowship. The Center for Evolutionary Ecology and Ethical Conservation. Laurentian University
2014 - 15	Dissertation Completion Fellowship, Andrew Mellon Foundation. Dillard University
2014 - 15	Dean’s Teaching Fellowship, Emory University (Declined)
2014 - 18	Emory-Tibet Science Initiative Fellowship (E.T.S.I.), Gaden University (India)
2011 - 12	On Recent Discoveries by Emory Researchers Fellowship (O.R.D.E.R.), Emory University
2012 - 13	Piedmont Sustainability Fellowship, Emory University.
2012	M.C. Dillon Award for Best Graduate Student Essay. International Merleau-Ponty Circle.
2011	Howard Hughes Medical Institute Teacher-Scholar Award. Emory University.

GRANTS

2019	Extraordinary Ideas Grant. “Historicity of Consciousness” Project (with Dr. Arezoo Islami)
2018	Senate Office. SFSU. “Year of Conversation” Grant (with Dr. Charles Postel).
2016	Co-investigator. SSHRC Insight Development Grant, “Chimpopolis: Science, Society, and the Philosophical Animal” with Letitia Meynell (PI), G.K.D. Crozier, and Andrew Fenton. \$59,000 (accepted September 13, 2016).
2016	Diversity Institute Alumni Fund Grant. American Philosophical Association. (\$500)

- 2015 Research Development Grant. Emory University (\$2,500)
- 2014 Graduate Student Travel Grant. American Philosophical Association (\$500).
- 2012. Conference Travel Grant. National Science Foundation (\$750)
- 2012. Course Development Grant. Center for Faculty Development and Excellence. Emory University (\$1000)

ACADEMIC INSTITUTES

- 2017 Animal Ethics and the 3Rs. Montreal, Canada. July 28-August 2, 2017.
- 2016 Workshop on “Exploitation and Coercion” at the Center for Ethics & Policy at Carnegie Mellon University.
- 2016 Second annual workshop on ‘Historical Epistemology’ at the Université Paris-Sorbonne. Paris, France.
- 2016 Workshop on “Diversity and Mentorship” at the 2016 Eastern APA, organized by the APA’s *Diversity Institute Advisory Committee*.
- 2015 “Critical Theory Workshop” (*Atelier de Théorie Critique*) at the Université Paris-Sorbonne, France.
- 2014 Summer Symposium on Contemporary Philosophy (“Formalism and the Real: Ontology, Politics, and the Subject”) at Duquesne University.

Conference Presentations

REFEREED CONFERENCE PRESENTATIONS

1. “The Anarchic Animal: Anthropological Racism, Natural History, and Political Theory in the Nineteenth Century” Annual Meeting of PACT (Pacific Association for Continental Theory). Volcano, Hawai‘I [postponed due to COVID-19]
2. “Phenomenology for the Other Animals,” NASEP St. John’s University, Manhattan Campus, 22–24 April 2020 [cancelled due to COVID-19]
3. “Pachyderm Remembrance: The Phenomenology of Animal Memory.” Remembering: Phenomenological and Analytic Approaches: Early-career researcher workshop. Université Grenoble Alpes. 6-7 May 2020 [cancelled due to COVID-19]
4. “Whale Phenomenology,” Annual Meeting of PACT (Pacific Association for Continental Theory). University of Seattle. Seattle, WA. September 13-16, 2019.
Also to be presented at the Annual Meeting of IAEP at the Eastern APA. Philadelphia, PA. January 9-14, 2020.
5. “*Épistémologie Historique*. A Dangerous Method,” Conference *Crossing the Boundaries Reassessing Historical Epistemology between Science and Philosophy* at the University of Turin. Turin, Italy. June 5th–6th, 2019
6. “Prolegomena Towards a Future (and Ethical) Animal Science” Annual Meeting of EACAS (European Association of Critical Animal Studies). Barcelona, Spain. May 22-14, 2019.
7. “Europe is Not Enough: Toward a Worldly History of Philosophy” Annual Meeting of PACT. Yosemite. November 2018.
8. “Toward an Embodied Theory of Animal Minds: Phenomenology’s Promise” International Conference *Minding Animals*. Royal Pedregal, Ciudad de México. January 17-24, 2018.
9. “Merleau-Ponty’s Material Apriori.” 2018 annual meeting of *The American Philosophical Association* (A.P.A.) in Savannah, Georgia. January 6-9, 2018
10. “Merleau-Ponty’s Material Apriori.” 2017 annual meeting of *Society for Phenomenology and Existential Philosophy* (S.P.E.P.) in Memphis, Tennessee. October 22, 2017.

11. "Epistemic Injustice in Medicine." 2017 annual meeting of the *American Society for Bioethics + Humanities* (ASBH). Kansas City, MO. October 19-20, 2017.
12. "Nonhuman Embodiment: A Phenomenology of Dark Time." 9th annual meeting of *Pacific Association for the Continental Tradition* (PACT). San Francisco, California. September 28-30, 2017
13. (Panel Organizer) "The Animal Sciences Meet Animal Ethics." Presenters: Dr. Kristin Andrews, Dr. Guillaume Beaulac, Dr. Maria Botero, Dr. Gillian Crozier, Dr. Andrew Fenton, Dr. Will Kymlicka, and Sue Donaldson. Canadian Philosophical Association Meeting. Toronto, Canada. May 28-30.
14. "Chimeric Beings: The Ethical Challenges Posed by New Life-Forms." Berman Institute of Bioethics Research Retreat. Baltimore, MD, April 6, 2017.
15. "Primate Affects: Can Non-Human Animals Mourn?" 2017 Annual Meeting of PhiloSOPHIA: A Feminist Society. Boca Raton, FL. March 30-April 2, 2017.
16. "Bad foundations and poor (regulatory) construction" (with Dr. Andrew Fenton, Dalhousie University). Annual meeting of the *American Society of Bioethics and the Humanities* (ASBH) in Washington, DC. October 6-9, 2016.
17. "Feminism, Existentialism, and the Philosophy of Science." 2016 annual meeting of *Society for Phenomenology and Existential Philosophy* (S.P.E.P.) in Salt Lake City, Utah in September 22-14, 2016
18. "The Logic of Epistemological Recurrence: Methodology and Normativity in the History and Philosophy of the Sciences." *Sorbonne 2nd Workshop On Historical Epistemology*. Paris, France. May 12-21.
19. "PANEL: Reflections on Harm/Benefit Analysis in Research Involving Nonhuman Animal Subjects." *Canadian Bioethics Society Annual Conference*. Toronto, Canada. May 25-8, 2016.
20. "Neuroscience, Plasticity and the Visual Brain: From Consciousness to Micro-Consciousness." *CAREP Conference — Passionate Disattachments: The Work of Catherine Malabou*, held at King's University College. London, Canada. February 5-6, 2016.
21. "The Turbulent Ethics and Politics of Water: A Philosophical Study of California's Water Crisis." *International Society for Environmental Ethics*, held at the 2016 meeting of the Eastern Division of the *American Philosophical Association* (APA). Washington, DC. January 6-9, 2016.
22. "The Eclipse of Biology in Twentieth Century Continental Philosophy." *International Association for Environmental Philosophy*, held at the 2016 meeting of the Eastern Division of the *American Philosophical Association* (APA). Washington, DC. January 6-9, 2016.
23. Invited Panelist at workshop on "Mentorship and Diversity" at Eastern APA meeting. Organized by APA's Diversity Institute Advisory Board. Washington, DC, US. January 6-9, 2016.
24. "The Zoo and the City: Reflections On A New Bio-political Paradigm." *Philosophy of the City* Conference, held at UNAM (Universidad Nacional Autónoma de México). Mexico City, MX. December 3-4.
25. "Phenomenology and Neuroscience in Pieces: A Speculative Reductionist Manifesto." *Society for Phenomenology and Existential Philosophy*. Atlanta, GA. October 8-12, 2015.
26. "Philosophy: A Class Act." *Conference on "Diversifying Philosophy,"* jointly organized by *Hypatia* and the APA Committee on the Status of Women, held at Villanova University. Nashville, TN. May 28-30, 2015.
27. "Philosophy, Feminism and Science." Philosophy Department at Michigan Technological University. March 11, 2015.

28. "Synthesis Without Subjectivity: A Phenomenological Reading of French Historical Epistemology." Main Program of 2014 Eastern Division meeting of the American Philosophical Association. Philadelphia, PA. December 28-30, 2015.
29. "Synthesis Without Subjectivity: A Phenomenological Reading of French Historical Epistemology." Main Program 53rd annual meeting of SPEP. New Orleans, LA. October 23-25, 2014.
30. "Simone de Beauvoir's Philosophy of Science." *PhiloSOPHLA: A Feminist Society*, held at Penn State University. State College, PA. May 1-3, 2014.
31. "The Marx-Heidegger Tension: Marcuse, Nancy and Lacoue-Labarthe on the Political." *Fifth Biennial Meeting of the International Herbert Marcuse Society*, held at the University of Kentucky. Lexington, KY. November 7-9, 2013.
32. "What is the Historical *A Priori*?" *First Annual Philosophers' Cocoon Philosophy Conference*, held at the University of Tampa. Tampa, FL. October 18-20, 2013.
33. "A Metastable Epistemology: The Role of 'Emergence' in 20th Century French Thought (from Historical Epistemology to New Realism)." *Translating Realism—An Interdisciplinary Conference on Contemporary French Thought*, held at the University of Notre Dame. South Bend, IN. May 10-11, 2013.
34. "A History of the Concept 'Environment.'" *American Society for Environmental History (ASEH)*, held at the University of Toronto. Toronto, ON, Canada. April 2-4, 2013.
35. "On the Value of Interdisciplinary Research in Philosophy: Gearing Philosophy into the 21st Century." *American Association of Philosophy Teachers (A.A.P.T.)* held at the 2012 Eastern Division meeting of the American Philosophical Association, Atlanta, GA. December 27-30, 2012.
36. "Meaning-Making and Mediating: Unfolding Uexküllian *Umwelten*." *International Association for Environmental Philosophy (I.A.E.P.)*, held at the 2012 Eastern APA. Atlanta, GA. December 27-30, 2012.
37. "Essential Revelations: Georges Canguilhem's Phenomenology of Scientific Rationality." *Society for Phenomenology and Existential Philosophy (S.P.E.P.)*, held at the Rochester Riverside Convention Center. Rochester, NY. November 1-3, 2012.
38. "Pathetic Normativity: Merleau-Ponty and Canguilhem's Philosophy of Norms." *International Merleau-Ponty Circle*, held at Fordham University. New York, NY. Sept. 20-22, 2012.
39. "Can there be a 'Transcendental Induction'? An Analysis of Gaston Bachelard's Theory of Scientific Change." Conference on *The Wise Scientist: Historical and Philosophical Reflections on the Place of Wisdom in Science*. University of Toronto. Toronto, ON, Canada. June 22-4, 2012.
40. "The Descent of Difference, Sexual Selection and the Ascent of Art: A Defense of Elizabeth Grosz's Darwinian Feminism." *PhiloSOPHLA: A Feminist Society*, held at Miami University. Oxford, OH. April 10-2, 2012.
41. "The Greek Political Animal: Diogenes as a Critic of Aristotle." *Pacific Association for Continental Thought (P.A.C.T.)*, held at the University of Seattle. Seattle, WA. October 11-3, 2011.
42. "Vulnerable Subjects of the Law: Reconstructing the Relationship between French Feminist Philosophy and Feminist Legal Thought." *Annual Feminism and Legal Theory Workshop on Structuring Resilience*, held at Emory Law School. Atlanta, GA. December 2-3, 2011.
43. "Living on the Brink of a Thousand Plateaus: Deleuze and Guattari on Ethics, Uncertainty and Capitalism." *Society for Phenomenology and Existential Philosophy (SPEP)*, held at Penn State University. Philadelphia, PA. October 4-6, 2011.

44. “Mocking our Cynical Consciousness: Sloterdijk and Žižek on Reification and Freedom.” *Society for Existential and Phenomenological Theory and Culture*, held at the International Congress of the Humanities. New Brunswick, Canada. June 17-21, 2011.
45. “Being-towards-Murder: Martin Heidegger and Donna Haraway on Ethics, Violence and Ontology.” *PhiloSOPHIA: A Feminist Society*, held at Vanderbilt University. Nashville, TN. May 2-4, 2011.

INVITED TALKS

1. Invited panelist to luncheon for alumni of undergraduate diversity institutes in philosophy. American Philosophical Association, annual meeting. 2019.
2. “In Search of Lost Meaning: What Do We Lose When Species Go Extinct?” Invited to *Phenomenology of Loss Workshop*. USF Department of Philosophy, March 8, 2019.
3. “Nonhuman Rights: Philosophy and Legal Personhood for Nonhuman Animals.” Invited to Stanford Law School. February 21, 2018.
4. “Nonhuman Rights: Philosophy and Legal Personhood for Nonhuman Animals.” Invited to San Jose State University. April 26, 2018.
5. “The Dreams of Animals.” Invited to USF Colloquium Series. Philosophy Department. April 18, 2018.
6. “Animal Ethics.” Invited speech at the Annual Fundraiser of The Animal Union. February 10, 2018.
7. Invited panelist to luncheon for alumni of undergraduate diversity institutes in philosophy. American Philosophical Association, annual meeting. Savannah, Georgia. January 4-7
8. “Phenomenology and Environmentalism.” Invited to Laurentian University. Annual Speaker Series. January 2016.
9. “Reason Without a Human Face: French Epistemology and the Limits of Phenomenology.” Florida International University. Miami, Florida. February 2, 2016.
10. “The Womb-for-Rent Business: Ethics, Medicine, Reproduction.” Portland State University. Portland, OR. January 19, 2016.
11. Invited Panelist at workshop on “Mentorship and Diversity” at Eastern APA meeting. Organized by APA’s Diversity Institute Advisory Board. Washington, DC, US. January 6-9, 2016.
12. “Who is Afraid of Instrumental Rationality? Critical Theory and the Philosophy of Technology.” Delivered to the Philosophy Department at San Jose State University. February 25, 2015.
13. “Philosophy, Feminism and Science.” Philosophy Department at Michigan Technological University. March 11, 2015.
14. “Feminism’s ‘Fourth Wave’ and the Possibility of Social Critique.” Delivered to the Philosophy Department at Western Carolina University. October 23, 2013.

Teaching Experience

SOLE INSTRUCTOR

- Mind, Brain, Culture -San Francisco State University, 2018
- The Reading Experiment -San Francisco State University, 2018
- Critical Animal Studies -San Francisco State University, 2018
- History of Science since the Scientific Revolution -San Francisco State University, 2017
- Form and Culture -San Francisco State University, 2017

- Grad Seminar: Sex, Drugs, and Bioethics -Johns Hopkins University, 2017
- Grad Seminar: Master’s Thesis Workshop -Johns Hopkins University, 2017
- Grad Seminar: Foundations of Bioethics -Johns Hopkins University, 2016
- Radical Ethics -Dillard University, Spring 2015
- Introduction to Symbolic Logic -Dillard University, Fall 2014
- Philosophy Goes to the Movies -Emory University, Summer 2014
- Social and Political Philosophy -Emory University, Spring 2013
- Philosophy of Law -Emory University, Fall 2012
- Contemporary Moral Issues -Emory University, Spring 2012
- Philosophy of the Social Sciences -Emory University, Fall 2011

CO-TAUGHT

- Philosophy of Science (India) -Gaden University, 2014-2018
With Dr. David Henderson, University of Nebraska
With Dr. Jessica Locke, Loyola University Maryland
- 19th and 20th Century Philosophies of Subjectivity -Emory University, Fall 2010
With Dr. Andrew Mitchell, Emory University
- Introduction to the Philosophy of Law -Emory University, Spring 2011
With Dr. Michael Sullivan, Emory University
- Human Experience: Social and Biological -Emory University, Spring 2012
With instructors from Neuroscience,
Molecular Biology, and Women’s Studies.
- Human Experience: Social and Biological -Emory University, Fall 2011
With instructors from Neuroscience,
Molecular Biology, and Women’s Studies.

TEACHING DEVELOPMENT

- (2010) Completed Emory University’s “Teaching Assistant Training and Teaching Opportunity (TATTO)” Program.
- (2010) Completed “PHIL 777: Philosophy and Pedagogy,” a Department-run course designed to improve teaching skills.

Academic Service

TO THE DEPARTMENT

- 2019 Liberal Studies Curriculum Committee. HUMLS, SFSU.
- 2018 Department Remodeling Committee. HUMLS, SFSU.
- 2017-Present Kaufmann Scholarship Selection Committee. HUMLS, SFSU.
- 2013-2014 Graduate Student Representative to the Faculty. Philosophy, Emory.
- 2012-2014 Certificate Student Representative. Women’s, Gender and Sexuality Studies
Department. Emory University.
- 2011-2012 Department Representative to the Emory Graduate Student Council.

TO THE UNIVERSITY

- 2019 LCA Faculty Success Committee Member.

- 2019 Extraordinary Ideas Workshop. “The Historicity of Consciousness.” Co-Organized with Dr. Arezoo Islami (Philosophy, SFSU).
- Funded by a grant from LCA. This project brought to campus two external speakers and organized five meetings with experts from SFSU on the topic of the nature of consciousness.
 - Organized Public Talk: “The Five Burdens of Encapsulation” By Dr. Ezequiel Morsella (Psychology)
- 2018 A Year of Conversation. Colloquium Series: “The Politics of the Alt-Right.” Co-Organized with Dr. Charles Postel (History, SFSU).
- Funded by a grant from the Senate Office, this project brought three speakers to campus to educate undergraduate students about the history, nature, politics, and dangers of the Alt-Right.
- 2015 – 2016 Steering Committee Member, *International Center for Interdisciplinary Research in the Human Sciences*. Laurentian University, Canada.
- The aim of ICIRHS is to facilitate and nurture interdisciplinary research on human beings from a socio-cultural dimension. The Centre promotes dialogue and research among specialists working in the fields of social sciences and humanities throughout Ontario, elsewhere in Canada and around the world.
- 2012 Member, Dean of Undergraduate Education’s *Education Assessment Committee*. Emory University.
- Committee was in charge of assessing undergraduate achievement and writing skills across the curriculum. My function was to provide feedback and recommendations for improving the writing of undergraduates and re-structuring the core curriculum program.
- 2011 Member, University President’s *Commission for Sexuality, Gender Diversity, and Queer Equality*. Emory University.
- Commission was responsible for acting as a liaison between the GLBTQI community and the President’s Office and for making direct policy recommendations designed to make Emory a safe space for sexual minorities.

TO THE PROFESSION

- 2019 PIKSI Rock Advisory Board Member.
- 2014-18 ETSI (Emory-Tibet Science Initiative). Volunteer Professor.
- 2017 Executive Committee At-Large Member, *PhiloSOPHLA: A Feminist Society*.
- 2017 Helped organize, and participated in, an expert working group on “The Necessity of the Use of Non-Human Primate Models in Research” at Johns Hopkins University. April 18-19, 2017
- 2017 Helped organize, and participated in, an expert working group on “The 3Rs of Animal Research Ethics: Replacement, Reduction, Refinement” in Brossard, Canada. July 28-August 3, 2017
- 2016 Steering Committee. 2016 Annual Meeting of *PhiloSOPHLA: A Feminist Society*. University of Colorado, Denver.
- 2014 Organizing Committee. 2014 Advancing Public Philosophy Conference, *Public Philosophy Network*. Emory University.

Advising

- Committee member for Anthony Hyun's MA Thesis (2018)
- Second reader for Victoria Gray's MA Thesis (2019). Title: "Queering Time: The Futurity of José Esteban Muñoz in Monáe's Dirty Computer"

Editing and Reviwing

CO-EDITOR

- *Symposia on Race, Gender and Philosophy* (electronic journal, MIT); with Cynthia Willett (2012).

INVITATIONS TO SERVE AS REVIEWER

- *Social Science Journal* (2019)
- *British Journal for the History of Philosophy* (2019)
- *Institute for Laboratory Animal Research Journal* (2019)
- *Journal of Applied Animal Ethics Research* (2018)
- *Society and Animals* (2018)

Affiliations

PACT	Pacifica Association for Continental Theory
MA	Minding Animals
APA	American Philosophical Association
ASBH	American Society for Bioethics & Humanities
FEMMSS	Association for Feminist Epistemologies, Methodologies, Metaphysics and Science Studies
PhiloSOPHIA	PhiloSOPHIA: A Society for Continental Feminism
PPN	Public Philosophy Network
RNHE	Research Network on Historical Epistemology
SPEP	Society for Phenomenology and Existential Philosophy

References

Gillian Crozier
Canada Research Chair (Tier 2) in Environment, Culture and Values
Associate Professor of Philosophy, Laurentian University
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Robert R Chambers Distinguished Professor of Philosophy, University of Nebraska-Lincoln
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JAMES ROCHA

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ACADEMIC APPOINTMENTS

California State University, Fresno
Philosophy, Associate Professor, Fall 2020 -
Philosophy, Assistant Professor, Fall 2016 to 2020
Louisiana State University
Philosophy & Religious Studies, Assistant Professor, Fall 2008 to Spring 2014
Philosophy & Religious Studies, Associate Professor, Fall 2014 to Spring 2016
Women & Gender Studies, Affiliate Faculty, Fall 2009 to Spring 2016
California Polytechnic University at Pomona, Philosophy, Instructor, Fall 2007 to Spring 2008
Pierce Community College, Philosophy, Adjunct Lecturer, Fall 2007 to Spring 2008

EDUCATION

University of California at Los Angeles, Ph.D., 2007
Dissertation: *The Value of a Legislated Life*
University of California at Los Angeles, M.A., 2000
University of California at Los Angeles, B.A., 1998

AREAS OF SPECIALIZATION

Applied Ethics, Social/Political Philosophy, Philosophy of Law

AREAS OF COMPETENCE

Ethics, Kant's Moral and Political Philosophy, Philosophy of Race, Feminist Philosophy

ADDITIONAL AREAS OF TEACHING INTEREST

Bioethics, Engineering Ethics, Early Modern (from Descartes to Kant), Kant's *Critique of Pure Reason*, Analytical Marxism, Philosophy in Literature, Critical Thinking, Philosophy and Popular Culture

AWARDS

Henry Madden Library Outstanding Faculty Publications, Spring 2020
Most Valuable Professor, Fresno State Softball, Spring 2020
Tiger Athletic Foundation Undergraduate Teaching Award, Honors College, 2014
Tiger Athletic Foundation Undergraduate Teaching Award, Philosophy & Religious Studies Department, 2013
Pierce College's Alpha Gamma Sigma Honor Society Apple Award for Excellence in Teaching, 2008
UCLA Academic Senate Distinguished Teaching Assistant Award and Fellowship, 2006

BOOKS

The Ethics of Hooking Up: Casual Sex and Moral Philosophy on Campus. Routledge, 2019.
Joss Whedon, Anarchist? A Unified Theory of the Films and Television Series. With Mona Rocha. Worlds of Whedon Series. McFarland Publishing, 2019.

JOURNAL ARTICLES

“Environmental Racism and Privileged Consumerism.” *Philosophy in the Contemporary World.* Volume 25, Issue 1 (Spring 2019): 5-20.

“Love, Sex, and Social Justice: The Anarcha-Feminist Free Love Debate.” With Mona Rocha. *Anarchist Studies.* Volume 27, Number 1 (2019): 63-82.

“Chasing Secretariat’s Consent: The Impossibility of Permissible Animal Sports.” *Between the Species.* Volume 21, Issue 1, Article 5 (2018): 128-150.

“Oppositional Courage: The Martial Courage of Refusing to Fight.” *Essays in Philosophy.* Volume 18, Issue 2, Article 3 (2017): 1-19.

“Autonomous Pigs.” With David Judd. *Ethics & The Environment.* Volume 22, Number 1 (Spring 2017): 1-18.

“The Black Reaching Out: An Anarchist Analysis of *Firefly*.” *Slayage: The Journal of Whedon Studies.* Volume 14, Issue 2 [44] (Summer 2016): 1-23.

“Aggressive Hook Ups: Modeling Aggressive Casual Sex on BDSM for Moral Permissibility.” *Res Publica.* Volume 22, Issue 2 (May 2016): 173-192.

“The Homophobic Sexual Harassment Complaint and Sexuality Discrimination.” *Ratio Juris.* Volume 28, Number 2 (June 2015): 204-215.

“Kantian Respect for Minimally Rational Animals.” *Social Theory and Practice.* Volume 41, Number 2 (April 2015): 309-327.

“Forced to Listen to the Heart: Fetal Heartbeat Laws and Autonomous Abortions.” *Southwest Philosophy Review.* Volume 30, Number 1 (January 2014): 187-194.

“Unauthorized, but Permitted: Limits on the Legal Obligations of Unauthorized Immigrants.” *Philosophy in the Contemporary World.* Volume 20, Number 1 (Spring 2013): 1-14.

“Preemptive Anonymous Whistleblowing.” With Ed Song. *Public Affairs Quarterly.* Volume 26, Number 4 (October 2012): 257-272.

“Autonomous Abortion: The Inhibiting of Women’s Autonomy through Legal Ultrasound Requirements.” *Kennedy Institute of Ethics Journal.* Volume 22, Number 1 (March 2012): 25-58.

“Autonomy within Subservient Careers.” *Ethical Theory & Moral Practice.* Volume 18 (October 2011): 313-328.

“The Sexual Harassment Coercive Offer.” *Journal of Applied Philosophy.* Volume 28, Issue 2 (May 2011): 203-216.

“The Deliberative Responsibility of Autonomous Agents.” *Philosophical Writings.* Volume 41 (May 2011): 79-93.

BOOK CHAPTERS AND COMMENTARIES

“The Defining Conspiracy.” With Mona Rocha. In *Conspiracy Theories: Philosophers Connect the Dots*, edited by Richard Greene and Rachel Robison-Greene, 167-178. Chicago: Open Court, 2020.

“Sex Robots in the Wild West.” With Mona Rocha. In *Westworld and Philosophy*, edited by Richard Greene and Joshua Heter, 169-180. Chicago: Open Court, 2018.

“Dream Investigations of Tree House Operations.” With Mona Rocha. In *Twin Peaks and Philosophy*, edited by Richard Greene and Rachel Robison-Greene, 3-13. Chicago: Open Court,

2018.

“The Deed of F’ing Society.” In *Mr. Robot and Philosophy: Beyond Good and Evil Corp*, edited by Richard Greene and Rachel Robison-Greene, 3-12. Chicago: Open Court, 2017.

“A Priori Progress: A Comment on Ryan Nichols’ ‘Hypothesis-testing the Humanities: The Hard and Soft Humanities as Two Emerging Cultures.’” *Southwest Philosophy Review*. Volume 31, Number 1 (January 2015): 29-35.

“Veronica’s Trip to the Dentist: Don’t Blame the Victim.” With Mona Rocha. In *Veronica Mars and Philosophy*, edited by George A. Dunn, 125-135. Malden, MA: Wiley Blackwell, 2014.

“Sour Clinical Trials: Autonomy and Adaptive Preferences in Experimental Medicine.” In *Adaptation and Autonomy: Adaptive Preferences in Enhancing and Ending Life*, edited by Juha Raikka and Jukka Varelius, 101-115. *Studies in Applied Philosophy, Epistemology, and Rational Ethics*, Volume 10. Heidelberg, Germany: Springer, 2013.

“Comment on Chelsea Haramia’s ‘Our Responsibility to the Non-Existent.’” *Southwest Philosophy Review*. Volume 29, Number 2 (July 2013): 93-96.

“Lying for Justice.” In *Psych and Philosophy*, edited by Robert Arp, 125-134. Chicago: Open Court, 2013.

“No Women Up in the Game.” With Mona Rocha. *The Wire and Philosophy*, edited by David Bzdak, Joanna Crosby, and Seth Vannatta, 153-163. Chicago: Open Court, 2013.

“Do You Mind if My Caucasian Mentions the N-Word?” *Curb Your Enthusiasm and Philosophy*, edited by Mark Ralkowski, 107-120. Chicago: Open Court, 2012.

“Elf Stereotypes.” With Mona Rocha. *Dungeons & Dragons and Philosophy*, edited by Jon Cogburn and Mark Silcox, 91-105. Chicago: Open Court, 2012.

“Overly Wide Scope: Including Internalized Sexism and Racism in Identity and Autonomy.” *Symposia on Gender, Race, and Philosophy*. Volume 7, Number 1 (Winter 2011): 1-5.

“Riding the Devil’s Tank and Complicit in His Mayhem.” In *The Rolling Stones and Philosophy*, edited by Luke Dick and George A. Reisch, 177-186. Chicago: Open Court, 2011.

“A Feminist Scandal in Holmes’s Generalizations.” With Mona Rocha. In *Sherlock Holmes and Philosophy*, edited by Josef Steiff, 147-155. Chicago: Open Court, 2011.

SCHOLARSHIP OF TEACHING AND LEARNING

Articles and Book Chapters

“Teaching *Firefly*.” *Journal of Science Fiction and Philosophy*. Vol. 1 (December 28, 2018): 1-10.

“Teaching *Firefly*: Companion Material. A Class Schedule for a Course on Joss Whedon and Philosophy.” *Journal of Science Fiction and Philosophy*. Vol. 1 (December 28, 2018): 1-3.

“Teaching Value Theory to the Disenfranchised.” In *Philosophers in the Classroom*. Edited by Steven Cahn, Alexandra Bradner, and Andrew Mills, 53-62. Hackett Press, 2018.

Presentations

“Replacing Pop Quizzes with Graded Participation Assessment.” With Mona Rocha. Poster Session.

California State University Teaching and Learning Symposium. March, 2019

“On Recruiting Philosophy Majors.”

Eastern APA, The Teaching Hub, January 2017

BOOK REVIEW

“Sean A. Spence: *The Actor’s Brain: Exploring the Cognitive Neuroscience of Free Will*.” *Journal of Value Inquiry*. Volume 44, Number 3 (September 2010): 401-5.

AMICUS BRIEFS

Co-Author, Amicus Brief filed with the Court of Appeals for the State of New York in support of Nonhuman Rights Project's Defense of Common Law Writs of *Habeas Corpus* Challenging the Captivity of Chimpanzees Kiko and Tommy, January 2018.

Co-Author, Amicus Brief filed with the Appellate Court for the State of Connecticut in support of Nonhuman Rights Project's defense of common law writs of *habeas corpus* challenging the captivity of elephants Beulah, Minnie, and Karen, November 2018.

PAPERS IN PROGRESS

"Worse Off Bureaucrat: How Corporate Bureaucracy Enables Moral People to do Immoral Acts." In *Power, Profits and Paranoia: Corporate Conspiracies in Contemporary Television*, edited by Erin Giannini and Eve Bennett.

"Searching for Respect in Hook Up Culture." In *College Ethics: A Reader on Moral Issues that Affect You*, edited by Bob Fischer (Oxford University Press).

"Sexual Consent at College Parties." In *Sexual Ethics Handbook*, edited by David Boonin (Palgrave).

PODCAST INTERVIEWS

"'Tabula Rasa,' 'Smashed,' and 'Wrecked,'" Conversations with Dead People: A *Buffy* and *Angel* Podcast, January 2020.

"Marx, *Firefly*, and Joss Whedon," New Jersey Revolution Radio, January 2020.

"'Bad Girls' and 'Consequences,'" Conversations with Dead People: A *Buffy* and *Angel* Podcast, September 2018.

"'Surprise' and 'Innocence,'" Conversations with Dead People: A *Buffy* and *Angel* Podcast, May 2018.

"Interpreting 'Firefly': Libertarianism vs. Anarchism with Dr. James Rocha," Revolutionary Left Radio, June 2017.

GRANTS AND AWARDS

Fresno State Sabbatical, 2020-2021

Fresno State Exceptional Service Assigned Time, Spring 2020

Nominated for Fresno State Outstanding Advisor Award (2017-2018)

Co-PI for Lumina Racial Justice and Equity Fund Grant Proposal, 2018 (Grant not funded)

PI for NEH Seminars and Institutes Grant Proposal, 2017 (Grant not funded)

Fresno State Research, Scholarship, & Creative Activities Course Release, 2017-2018, 2018-2019

Manship Summer Research Award, 2014

LSU Research and Economic Development Summer Stipend Grant, 2011

LSU College of Humanities and Social Sciences Dean's Performance Review Grant, 2011

LSU Office of Research and Economic Development Junior Faculty Travel Grant, 2010

PROFESSIONAL PRESENTATIONS

"Emma Goldman's International Solidarity"

National Women Studies Association Conference, November 2019

- “Anarcha-Feminism on Violence: From Emma Goldman to Rojava”
National Women Studies Association Conference, November 2017
- “Environmental Racism and Privileged Consumerism”
Society for Philosophy in the Contemporary World Conference, July-August, 2017
- “Structural Villainy: The Structural Violence of Wolfram & Hart.”
Popular Culture Association/American Culture Association National Conference,
Philosophy and Popular Culture Division, April 2017
- “A Gun in the Establishment’s Hands: On the Possibility of Racist Law”
Colloquium, California State University at Fresno, March 2015
- “Forced to Listen to the Heart: Fetal Heartbeat Laws and Autonomous Abortions.”
Southwestern Philosophical Society, November 2013
American Society for Bioethics + Humanities, October 2012
- “The Putative Homophobic Sexual Harassment Victim.”
Central American Philosophical Association, Radical Philosophy Association, February
2013
- “Professional Responsibility and Systematic Moral Ambiguity.”
Alabama Philosophical Society, October 2012
Colloquium, University of Arkansas Little Rock, February 2011
- “A Doll’s Agreement: Autonomy and Consent in Joss Whedon’s *Dollhouse*.”
Popular Culture Association/American Culture Association Southern Conference,
October 2011
- “The Racial Sensitivity of Larry David.”
Popular Culture Association/American Culture Association National Conference,
Philosophy and Popular Culture Division, April 2011
- “Horse Shopping: A Discussion of Why Immanuel Kant Brings up the Subject of Buying a
Horse when Justifying the State.”
Colloquium, Kalamazoo College, January 2011
Colloquium, Marlboro College, February 2008
- “Oppositional Courage in Heller’s *Catch-22* and Faulkner’s *A Fable*.”
Southern Comparative Literature Association Conference, October 2010
- “Watching the Inherent Violence of Hierarchy: Decoding *Watchmen*’s Anarchist Message.”
Comics and Popular Arts Conference, September 2010
- “Autonomy within Subservient Careers.”
Mid-South Philosophy Conference, March 2010
Alabama Philosophical Society, November 2009
- “Sexual Harassment and Coercive Offers.”
Colloquium, Pomona College, February 2008
Colloquium, University of Houston, February 2008
Colloquium, Idaho University, January 2008
- “Autonomous Interactions.”
Colloquium, California State University Fresno, January 2008
- “An Analysis of Emil Cioran’s *On the Heights of Despair*.”
Los Angeles Romanian Colloquium, June 1998

EXTERNAL PANELIST, CHAIRING, AND COMMENTING

- Panelist for “Robert Costa Event”
President’s Lecture Series, October 2019
- Chair for “Origins of Ethnic Studies”
50th Anniversary Ethnic Studies Conference, October 2019
- Moderator for Mandar Apte’s Workshop “Gandhi and Nonviolence.”

Gandhi's Global Legacy International Conference, October 2019
 Panelist for "Poverty, Inc."
 Clovis Community College, May 2019
 Commentator on "The Role of the Clinical Ethicist," Chris Myers.
 The Ethics Center, April 2017
 Panel Commentator for "From Fargo to Haiti: Navigating Structures of Inequality, 1820-1920"
 Western Association of Women Historians, May 2015
 Keynote Commentator for Ryan Nichols' "Hypothesis-testing the Humanities: A Pilot Study
 with Science Fiction"
 Southwestern Philosophical Society, October 2014
 Commentator on Chelsea Haramia's "Our Responsibility to the Non-Existent"
 Southwestern Philosophical Society, November 2012
 Commentator on Mark Piper's "The Impossibility of Purely Content-Neutral Accounts of
 Autonomy"
 Central American Philosophical Association, February 2012
 Chair of *Gender & Sexuality in the Whedonverse* Panel
 Popular Culture Association/American Culture Association Southern Conference,
 October 2011
 Moderator of *Transitional and Oppositional Forces* Panel
 Southern Comparative Literature Association Conference, October 2010
 Commentator on Michael Barba's "Somewhere Out Beyond the Stars: Orientalism and *Star
 Trek Deep Space Nine*"
 Comics and Popular Arts Conference, September 2010
 Commentator on Joshua Anderson's "Huey P. Newton and the Lumpenproletariat."
 Mid-South Philosophy Conference, March 2010
 Chair and Emergency Commentator on Robert Murray's "Moral History, Racial Rumors, and
 Rational Reconstruction."
 Pacific American Philosophical Association, March 2008

INTERNAL PRESENTATIONS AND PRESENTATIONS TO STUDENTS

"Democracy and Ideological Communities: On Dank Bernie Memes"
 Philosophy Club, April 2019
 "Going to Law School"
 University High School, February 2019
 "Law School Personal Statements"
 Phi Alpha Delta, February 2018, October 2018
 "Graduate School Panel"
 Philosophy Club, September 2017, April 2019, September 2019
 "Pre-Law Orientation"
 Philosophy Department, September 2017
 "How to Get Into Law School (And Why You Shouldn't Go)"
 Phi Alpha Delta, March 2017
 "Stop & Frisk: Torture, Racism, and *Ohio v. Terry*"
 Philosophy Club, November 2016
 "Tortured Plea Bargains: The Legal Fiction of Feigning Guilt"
 Philosophy Colloquium, Fresno State, September 2016
 "Morality without God: Separating Morality from Religion"
 Atheists, Humanists, Agnostics Club, October 2015
 "Ethics and Professional Responsibility"
 IMSD Seminar, November 2014

- “A Gun in the Establishment’s Hands: On the Possibility of Racist Laws”
Philosophy Salon, October 2014
- “Ethics of Research Beyond Publication and Presentation: Data Sharing and Public Access”
IGERT Brown Bag Ethics Workshop, March 2014
- “Emma Goldman’s Anarchism”
Guest Lecture, American Women’s History, October 2013
- “Honesty in Scientific and Engineering Research”
IGERT Brown Bag Ethics Workshop, March 2013, with Ed Song
- “*Mad Men*’s ‘The Other Woman’: Objectification and Empowerment”
Guest Lecture, Gender and Popular Culture, March 2013
- “The Many Faces of the Problem of Evil”
Atheists, Humanists, Agnostics Club, October 2012
- “Why Major in Philosophy?”
Numerous lower division philosophy courses at LSU, March 2012, October 2012, April 2013
- “Multiculturalism, Autonomy, and Medical Practice”
Multiculturalism in Health Care Presentation, October 2011, September 2012
- “Whistleblowing in Engineering and Science”
IGERT Brown Bag Ethics Workshop, April 2012, with Ed Song
- “The Morally Depraved Art: The Case against Seduction”
Guest Lecture, Gender and Health, November 2012
LSU Philosophy Colloquium, March 2012
- “Engineering Ethics and Professionalism in Engineering”
Guest Lecture, Professionalism for Biological Engineers Seminar, March 2012
- “Environmental Ethics”
IGERT Brown Bag Ethics Workshop, November 2011
- “Philosophy and *Dollhouse*”
LSU Day, November 2010
- “Sans Critical Obligations: A Critical Look at the Legal Status of Undocumented Immigrants”
LSU Philosophy Colloquium, September 2010
- “Ethics and Trust in Scientific Research”
Guest Lecture, Scientific Writing and Research Seminar, May 2010, April 2011, April 2012, April 2013
Marathon Seminar, September 2011
- “Hooking Up Ethically”
LSU Philosophy Colloquium, April 2010
Guest Lecture, Girls’ and Women’s Wellness, March 2011
- “Research Ethics: Fraud in Science and the Responsible Conduct of Research”
IGERT Brown Bag Ethics Workshop, November 2009, with Ed Song
- “Partially Just, Autonomous, and Robot Soldiers”
LSU Philosophy Colloquium, September 2009
- “Cultural Practices in Academia”
IGERT Brown Bag Ethics Workshop, January 2009
- “Engineering and Science Ethics”
IGERT Brown Bag Ethics Workshop, October 2008, with Ed Song
- “Sexual Harassment and Coercive Offers.”
LSU Philosophy Colloquium, February 2008
- “Horse Shopping: A Discussion of Why Immanuel Kant Brings up the Subject of Buying a Horse when Justifying the State.”
Albritton Society, UCLA, December 2005

TEACHING EXPERIENCE

Assistant Professor, Fresno State University, 2016 to Present

Courses Taught:

Moral Questions, Spring 2020
Social Justice, Spring 2019
Philosophy of Law, Spring 2019, Spring 2020
Fieldwork in Philosophy and Law, Fall 2018, Fall 2019
Ethics in Criminal Justice, Fall 2018
Modern Philosophy, Spring 2018, Fall 2018, Fall 2019
Political and Social Theory: Theories of Injustice, Fall 2017
Bioethics, Spring 2017
Ethical Theory, Fall 2016
Contemporary Moral Conflicts, Fall 2016—Fall 2019

Certificate Proposed and Developed:

Social Justice and Social Change Certificate, Fall 2018

Courses Proposed and Developed:

Social Justice, Spring 2017

Assistant and Associate Professor, Louisiana State University, 2008 to 2016

Courses Taught:

Why War? Honors, Fall 2015
Marx and Anarchism, Spring 2015
Philosophy & Popular Culture: Philosophy in Breaking Bad & The Wire, Fall 2014
World War I: Honors, Fall 2014
Consent and Sex Law, Spring 2014
The Moral Limits of Markets, Fall 2013
Locke, Berkeley, Hume, Spring 2013
Philosophy & Popular Culture: Whedonology, Spring 2013, Fall 2015
Kant's Critique of Pure Reason, Fall 2012
Feminist Legal Theory, Spring 2012
Race in the Age of Obama, Spring 2011 (Interdisciplinary Honors Course)
Pornography, Hooking Up, and Matthew McConaughey, Fall 2010
Intro to Philosophy, Fall 2010, Fall 2013, Spring 2014, Spring 2016
Bioethics, Fall 2008, Spring 2010
Introduction to Ethics, Spring 2009, Summer 2010, Fall 2012
Engineering Ethics, Spring 2010, Spring 2011, Spring 2014
Philosophy in Literature, Fall 2009, Spring 2012
Ethics Seminar in Autonomy and Bigotry, Fall 2009
Graduate Seminar in Autonomy, Kant, and Mill, Spring 2009

Courses Proposed and Developed:

Environmental Ethics
Race in the Age of Obama (Honors)
Topics in Philosophy of Law
Philosophy & Popular Culture
Honors Introduction to Ethics

Courses Approved for General Education Credit:

Professional Ethics
Honors Introduction to Ethics
Gender and Health (Women & Gender Studies Department)
Gender and Popular Culture (Women & Gender Studies Department)

Teaching Instructor, Various Schools, 2005-2008

Courses Taught:

Race and Racism, Spring 2008, California Polytechnic University at Pomona
Ancient Greek Philosophy, Winter 2008, Los Angeles Pierce College
Critical Thinking, Winter 2008, Los Angeles Pierce College
Introduction to Philosophy, Fall 2007, Winter 2008, California Polytechnic University at Pomona; Fall 2007, Los Angeles Pierce College
Society & Morals: Philosophy of Race, Summer 2006, UCLA
Medical Ethics, Summer 2005, UCLA

SERVICE**FRESNO STATE UNIVERSITY**

Coordinator of Social Justice and Social Change Certificate, Spring 2019 to Present
Organizer of Voicing Ideas, Fall 2017 to Spring 2020
Vice Chair and Member of Committee on Faculty Equity and Diversity, Fall 2017 to Present
Vice Chair, Fall 2019 to Present
Represent College of Arts & Humanities
Member of College of Arts and Humanities Curriculum Committee, Spring 2017 to Present
Represent Philosophy Department
Member of University Institutional Animal Care and Use Committee, Fall 2018 to Spring 2019
Represent Philosophy Department
Member of Biotechnology Program Committee, Spring 2018 to Spring 2019
Represent Philosophy Department
Member of Conference Organizing Committee
50th Anniversary Ethnic Studies Conference, Spring 2018 to Fall 2019
Central Valley Philosophy Association Conference, Fall 2018 to Fall 2019
Webmaster, Philosophy Department Website, Fall 2016 to Summer 2018
Assist with website, Fall 2018 to Present
Faculty Advisor of Clubs
Phi Alpha Delta, Fall 2016 to Present
Philosophy Club, Fall 2018 to Present
Nexus League of Legends Club, Fall 2018 to Present
Social Media Coordinator
Philosophy Department, Fall 2016, Fall 2018 to Present
Social Justice and Social Change Certificate, Spring 2019 to Present
Member of Philosophy Department Scholarship Committee, Spring 2018
Member of Philosophy Department Prelaw Curriculum Committee, Fall 2016, Spring 2018

LOUISIANA STATE UNIVERSITY:

Head of Philosophy Section, Summer 2014 to Spring 2016
Philosophy & Religious Studies Department
Director of Law, Ethics, and Social Justice Concentration, Fall 2015 to Spring 2016
Philosophy & Religious Studies Department
Co-Director of Feminist Philosophy Graduate Concentration, Fall 2015 to Spring 2016
Philosophy & Religious Studies Department
Pre-Law Advisor, Fall 2014 to Spring 2016
Philosophy & Religious Studies Department
Assessment Director, Fall 2014
Philosophy & Religious Studies Department
Director of Undergraduate Studies, Summer 2013 to Spring 2014
Philosophy & Religious Studies Department

Director of Undergraduate Recruitment, Fall 2011 to Spring 2014
Philosophy & Religious Studies Department
Awards Committee Chair, Fall 2012 to Spring 2014
Women & Gender Studies Department
Curriculum Committee Chair, Fall 2011 to Spring 2012
Women & Gender Studies Department
Member of Coordinating Council Fall 2011 to Spring 2014
Council oversees operation (with Director) of Women & Gender Studies Department
Faculty Advisor for Club
Society of Law, Ethics, and Social Justice, Fall 2014 to Spring 2015
Multiculturalism in Health Care, Spring 2010 to Spring 2013
LSU Skim Club, Spring 2009 to Spring 2013
Philosophy Colloquium, Fall 2009 to Spring 2012
LSU Philosophy Graduate Conference, Fall 2010 to Spring 2012
IGERT Brown Bag Group, Spring 2009 to Present
Prepare panel presentations for engineering and science graduate students and faculty
Undergraduate Student Committee, Fall 2010 to Spring 2014
Philosophy & Religious Studies Department
Graduate Student Committee, Fall 2009 to Spring 2012
Philosophy & Religious Studies Department
College of Humanities & Social Studies CAPPE Committee, Fall 2009 to Spring 2012
Committee oversees course additions and changes in the College
Senior Papers Committee, Spring 2009 to Spring 2010
Committee issues report on graduating senior papers for the Philosophy & Religious
Studies Department

SERVICE TO THE PROFESSION

Served as External Reviewer for:

Promotion from Associate to Full Professor, Fall 2017

Served as Blind Reviewer for:

Institute for Laboratory Animal Research

Journal of Value Inquiry

Ethical Theory and Moral Practice

Journal of Science Fiction and Philosophy

Between the Species

Slayage: The Journal of Whedon Studies

Philosophical Psychology

Baraton Interdisciplinary Research Journal

Southwestern Philosophical Society Annual Conference

EXHIBIT 13

CURRICULUM VITAE

Dr. Bernard E. Rollin

**University Distinguished Professor
Professor, Department of Philosophy
Professor, Department of Physiology
Professor, Department of Animal Sciences
University Bioethicist
Colorado State University
Fort Collins, Colorado 80523
(970) 491-6885 or 491-6315
Bernard.Rollin@colostate.edu**

Educational Background

B.A. City College of New York in literature and philosophy, 1964 *magna cum laude*; Phi Beta Kappa.
Held New York State Scholarship.

Fulbright fellow at the University of Edinburgh, Scotland, 1964-1965, studying Hume, Kant, and Scottish
Common Sense philosophy.

Ph.D., Columbia University in philosophy, 1972, under Professor Arthur C. Danto.

While at Columbia, held Woodrow Wilson Fellowship, Columbia University Fellowship, New York
State Regents Doctoral Fellowship, New York State College Teaching Fellowship, Columbia
University Department of Philosophy preceptorship.

Publications

A. *Books*

General and Rational Grammar: The Port-Royal Grammar (with Jacques Rieux) (Mouton and Co.,
The Hague; published in *Janua Linguarum Series*, 1975). This work is the first edition in English of this
major work since 1756, and includes a new translation, introduction, and notes, as well as an evaluative
article by Norman Kretzmann, Dept. of Philosophy, Cornell University and preface by Arthur Danto,
Professor of Philosophy, Columbia University.

Natural and Conventional Meaning: An Examination of the Distinction, (published 1976 in Mouton
and Co., *Approaches to Semiotics Series*). This work raises questions concerning the traditional
bifurcation of the realm of meaning into natural and conventional meaning. Preface by Richard Kuhns,
Columbia University.

Inquiry into the Relation of Cause and Effect, by Thomas Brown. (Introduction by Bernard Rollin.)
(Scholars' Facsimile Reprints, 1978). This is the first time in almost 150 years that this classic critique
of Hume has been made available.

Animal Rights and Human Morality, (released December, 1981, Prometheus Books). (First printing
virtually sold out before the book was released; book has received excellent reviews internationally.

Awarded *Choice Magazine* designation as outstanding academic book of the year. (Second edition, extensively revised, published 1992). Third edition, greatly expanded, 2006.

The Experimental Animal in Biomedical Research, Volume I, *A Survey of Scientific and Ethical Issues for Investigators* (1990); Volume II, *Care, Husbandry and Well-Being, An Overview by Species* (1995). edited with M.L. Kesel, CRC Press.

The Unheeded Cry: Animal Consciousness, Animal Pain, and Scientific Change, Oxford University Press, 1989. (Paperback 1990)

Author of section on veterinary ethics in James Wilson's book on veterinary law and ethics, *Law and Ethics of the Veterinary Profession* (1988).

The Frankenstein Syndrome: Ethical and Social Issues in the Genetic Engineering of Animals, Cambridge University Press, 1995.

Farm Animal Welfare, Iowa State University Press, 1995.

Unheeded Cry: Animal Consciousness, Animal Pain and Science, Second Expanded Edition, Iowa State University Press (includes new major chapter: "The Unheeded Cry Revisited," 1998.

Veterinary Ethics: Theory and Cases, Iowa State University Press, 1999. Second edition, extensively revised and augmented, Blackwell, 2006.

Complementary and Alternative Veterinary Medicine Considered, with David Ramey, Blackwell, 2004.

The Well-Being of Farm Animals: Challenges and Solutions, 2004, with John Benson, Blackwell, 2004.

Harley-Davidson and Philosophy, (co-editor) Open Court, 2006.

Intuitive Immunology with Kent Deitemeyer, Croft, Christchurch, NZ, 2006

Science and Ethics, Cambridge University Press, 2006.

Harley-Davidson and Philosophy: Full throttle Aristotle (Reissued in Hardback by MSF Books from original. Open Court edition)

Portions of *Animal Rights and Human Morality* translated into German for anthology

Veterinary Medical Ethics Japanese and Spanish translations 2010

Putting the Horse Before Descartes: My Life's Work on Behalf of Animals, Temple University Press 2011

Equine Welfare (edited by B. Rollin and W. McIlwraith) Wiley-Blackwell 2011. This is the first book on equine welfare ever published in the U.S.

Anthology of Farm Animal Welfare Issues (edited by B. Rollin, Wilson Pond, and Fuller Bazer) 2012
CRC Press, Taylor and Francis

Italian translations of *The Unheeded Cry* and *Animal Rights and Human Morality* 2011

B. Articles and Book Chapters

"Thomas Brown on Mental Analysis," in *Studies in Scottish Literature* (July, 1967).

"Thomas Brown's Criticisms of Hume's Theory of Causation," in *Archiv für Geschichte der Philosophie* (1969, Heft I).

"Hume's Blue Patch and the Mind's Creativity," in *Journal of the History of Ideas* (January, 1971).

"Heidegger's Philosophy of History in Being and Time," in *The Modern Schoolman* (January 1972, lead article).

"Reply to Professor Goldstick (on the possibility of *a posteriori* analytic judgements)," in *Philosophy and Phenomenological Research*, June, 1974.

"There is Only One Categorical Imperative," in *Kant-Studien* (Heft 1, 1976).

"Natural and Conventional Signs: A History of the Distinction," in *Semiotic-Historical Studies*, published by the Polish Academy, Warsaw, 1976.

"Natural Meaning, Conventional Meaning, and Professor Lewis' *Convention*," in Eco, Klinkenberg and Chatman (eds.), *A Semiotic Landscape: Proceedings of the First Congress of the International Association for Semiotic Studies* (Mouton and Co.).

"Thomas Reid and the Semiotics of Perception," in April 1978 *Monist* issue on Thomas Reid. (Permission has been granted to publish this in *Acta Semiotica et Linguistica*.)

"Beasts and Men: The Scope of Moral Concern," in *The Modern Schoolman*, March 1978.

"On the Nature of Illness," published with remarks by commentators in *Man and Medicine* (vol. 4, no. 3, 1979). Polish translation published Spring 1978 in *The Polish Medical Quarterly* (Warsaw); reprinted in *Humanistic Review* (Warsaw); Portuguese translation in *Ciencia E Filosofia* (Sao Paulo, Brazil).

"Moral Philosophy and Veterinary Medical Education," *Journal of Veterinary Medical Education*, January 1978.

"Reductionism and Biomedical Science," *Polish Medical Quarterly* 1979.

"Updating Veterinary Medical Ethics," *The Journal of the American Veterinary Medical Association*, (October 15, 1978).

"Morality, Science, and Animal Experimentation," in *Colorado: People and Policy*, Spring 1979.

"Nature, Convention and the Medical Approach to the Dying Aged," in Margot Tallmer *et al* (ed.) *The Life-Threatened Elderly* (Columbia University Press, 1983).

Review of *Implications of History and Ethics to Medicine, Veterinary and Human* (ed. McCullough and Morris), in *Journal of the American Veterinary Medical Association*, February 1979.

"Legal and Moral Bases of Animal Rights," in *Ethics and animals*, an anthology on animals and ethics, edited by Harlan Miller (1983).

- "Beasts and Men: The Scope of Moral concern," in *Etyka* (Polish journal of ethics), 1980, issue devoted to animal rights.
- "On Allowing Something to Happen," commentary in *Man and Medicine* (Vol. 5, no. 3, 1981).
- "A reply to Cousins and Aranow," in *Man and Medicine* (Vol. 4, no. 4, 1979).
- "Definition of the Concept of 'Humane Treatment' in Relation to Food and Laboratory Animals," in *The International Journal for the Study of Animal Problems* (Vol. 1, no. 4, 1980).
- "Nature, Convention and Genre Theory," in *Poetics*, Summer, 1981. (Has appeared in translation in Spanish anthology on literary theory.)
- "Innate and A Priori: A Commentary on Chomsky's 'Rules and Representations,'" in *The Behavioral and Brain Sciences*, with comments by Chomsky (Vol. 3, no. 1, 1980).
- "Updating the Animal Welfare Act," *Intervet*, September 1980.
- "The Metaphysics of Anthropocentrism," in *International Journal for the Study of Animal Problems* (Vol. 2, no. 2, 1981).
- "Morality, Grief, and Pet Animals," in *Pet Loss and Human Bereavement* (eds. Nyburg, Kutscher, Kay, Grey), Iowa State University Press (1984).
- "Morality and the Human/Animal Bond," in A. H. Katcher and A. M. Beck (eds.), *New Perspectives on our Lives with Companion Animals*, University of Pennsylvania Press, 1983.
- "Animal Rights," in *Orion Nature Quarterly*, Summer, 1982. Review of "Intentionality of Signs, Tools, and Models," in *Review of Metaphysics* 1982.
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- "Ideological and Common Sense" The first Annual John Smith Ethics Oration, in *Proceedings of the ANZLAS/AATA Melbourne 2002 Conference*, p 31-36 (Melbourne, 2002).
- "The Frankenstein Thing: The Moral Impact of Genetic Engineering of Agricultural Animals on Society and Future Science", in R. Sherlock and J. Morrey (eds.) *Ethical Issues in Biotechnology* Oxford: Rowman and Littlefield) p 271-287, 2002.
- "Livestock Production and Emerging Social Ethics for Animals" edited by M. Dyekman in *Proceedings of the 55th Reciprocal Meats Conference, (2002) American Meat Science Association* (Savoy, Illinois) p 89-97, 2002.
- "Social Ethics, Animal Suffering, and Transgenic Animal Models of Human Disease", in *Proceedings of the NIH-OLAW Symposium: Care and Characterization of Genetically Engineered Mice* (Houston: Baylor), 2002.
- "Animal Ethics and the Show-Industry" in *The Fair Dealer*, 1/2003, Vol 5, Issue 4 (official journal of the fair industry).
- "Livestock Production and Emerging Social Ethics for Animals" in *Proceedings of the 2002 Reciprocal Meats Conference* (East Lansing, Mich), American Meat Institute pp89-97.
- Preface to John Kistler, *People Promoting and People-Opposing Animal Rights. In Their Own Words* (Greenwood, 2002).
- "Toxicology and New Social Ethics for Animals" in *Toxicologic Pathology*, Vol 31 (suppl) pp128-131, 2003.
- "Oncology and Ethics" in *Reproduction in Domestic Animals*, Vol 38 No 1, pp50-53, February, 2003
- Preface to *The Animal Ethics Reader*, Animal Pain, ed. by Armstrong and Botzler (Routledge) 2003
- "On Telos and Genetic Engineering" in Armstrong and Botzler, *Ibid*.

- “Rodeo and Recollection: Applied Ethics and Western Philosophy”, Armstrong and Botzler, Ibid.
- “Dogmatism and Catechisms: Ethics and Companion Animals” (with Michael Rollin) in Armstrong and Botzler, Ibid.
- “Veterinary Ethics and Animal Behavior” for *Encyclopedia of Animal Behavior* (Greenwood) 2005.
- “Animal Ethics and Legal Status”, forthcoming in ed. Marc Hauser *People, Property, or Pets?* (Purdue), anthology on animal ethics,.
- “On Understanding Animal Mentation” in Frank McMillan, ed., *Mental Health and Well-Being in* (Blackwell) 2005.
- “Animal Happiness”, Ibid.
- “Response to “What is a Pet” forthcoming in *Anthrozoos*.
- “The Ethical Imperative to Control and Suffering in Farm Animals”, Benson and Rollin (eds.) *The Well-Being of Animals*, (Blackwell; 2004) pp. 3-21
- “Preface” to above.
- “Animal Welfare”, forthcoming in *Encyclopedia of Science and Technology*.
- “Animal Agriculture: Social Animals,” forthcoming in *Encyclopedia of Animal Science*.
- “Animal Pain”, forthcoming in *Animal World Encyclopedia*.
- “Veterinary Ethics”, forthcoming, Ibid.
- “Animal Welfare and Free Trade”, forthcoming in *Can-Ag-Facts*.
- “The Broken Promise: Ethics and the Human-Animal Bond”, 2 part article that appeared in the *Veterinary Forum* January and February 2004
- “Genetic Engineering and the Sacred”, *Zygon*, forthcoming.
- “Livestock Production and Emerging Social Ethics for Animals”, in *Journal of Animal Science*, 2004 82:955-964
- “Telos, Value, and Genetic Engineering” in Harold Bailey and Timothy Casey (eds.) *Is Human Nature Obsolete?* (MIT Press, 2004)
- Edited 10 columns on veterinary ethics for *Veterinary Forum*, wrote 2
- “Emerging Research and a New Role for Technicians”, *Calas* Vol. 37 #8, April 2004
- “Our Broken Bond and Promise to Animals” *The Land Report* #79, Summer 2004
- “Ethics in Veterinary Medicine” in *Society for Veterinary Medical Ethics Newsletter* Vol. 10 #2, May 2004
- “Free Trade and Animal Welfare” in *CA-Ag-Facts* Fall 2003 (2004)
- “Animal Happiness: A Philosophical View” (ed.) *Mental Health and Well-Being in Animals*
- “On Understanding Animal Mentation”, in F. McMillan, Ibid.
- “Reasonably Partiality and Animal Ethics”, forthcoming in *Ethical Theory and Moral Practice*
- “What are a Bunch of Motorcycles Doing in an Art Museum?” forthcoming in *Harley Davidson and Philosophy*
- “It’s My Own Damn Head: The Ethics of Helmet Laws” forthcoming, Ibid.
- Chapter on genetic engineering and religion forthcoming in P. Waldau and K. Patton (eds.) *A Communion of Subjects*
- Paper on Animal Suffering, forthcoming in Leslie King, volume on Animal Distress
- “Ethical Concerns for Animals” forthcoming in RSVCA publication on animal ethics
- “Veterinary Ethics” for *Encyclopedia of Animal Behavior* (Greenwood)
- “Animal Agriculture and Social Ethics for Animals” forthcoming in *Encyclopedia of Animal Science*
- Coauthor of Colorado Institute of Public Policy *Report on Biopharming*

- Genetics, Bioengineering and the Future of the Human Condition* (Cambridge Mass., MIT Press, 2005)
- “On Understanding Animal Mentation.” F.D. McMillan (ed.) *Mental Health and Well-Being in Animals* (Oxford and Ames, Blackwell, 2005)\
- “Animal Happiness: A Philosophical View” in F.D. McMillan (ed.) *Mental Health and Well-Being in Animals* (Oxford and Ames, Blackwell, 2005)
- “Reasonable Partiality and Animal Ethics” in *Ethical Theory and Moral Practice* 8:2005, 105-121
- “Animal Agriculture and Social Ethics for Animals” in *Encyclopedia of Animal Science* (NY: Marcell Dekker, 2005)
- “Veterinary Ethics” in M. Bekoff (ed.) *Encyclopedia of Animal Behavior*.3 vols. (Westport Connecticut: Garland Press, 2005)
- “Animal Welfare” in Carl Mitcham (ed.) *Encyclopedia of Science, Technology, and Ethics* (Detroit: McMillan Reference, 2005)
- “Applying Immunology with an Ethical Compass” *Vet Script* (NE Veterinary Medical Association Journal), Jan-Feb 2005
- “Genetic Engineering and the Sacred” *Zygon*, 2005
- “The Ethics of Critical Care” *The Journal of Veterinary Emergency and Critical Care*, 2005
- “Biotechnology and Animals: Ethical Issues in Genetic Engineering and Cloning” forthcoming in P. Waldau (ed.) *A Communion of Subjects* (Columbia U. Press)
- “The Regulation of Animal Research and the Emergence of Animal Ethics” forthcoming in *The Journal of Theoretical Medicine and Biology*
- “Euthanasia and Quality of Life”, in *Journal of the American Veterinary Medical Association*, April 2006
- “Animal Agriculture and Emerging Social Ethics” *New Zealand Poultry Association Proceedings*, 2005
- “Our Broken Promise to Animals,” *Dexter Bulletin* Vol. 43 #4, Winter 2004
- “Ethical Issues in Genetically Engineered and Cloned Farm Animals” in *Exploring the Moral and Ethical Aspects of Genetically Engineered and Cloned Animals*. Proceedings of Pew Initiative Workshop on Food and Biotechnology 1/2005, Rockville, MD. (Oct. 2005)
- “Genetic Engineering and the Sacred” *Zygon*, Volume 40 (#4) Dec 2005, pp. 939-952
- “Food Safety Who is Responsible?” in *Food Borne Pathogens and Disease*. 3(2), 2006, pp. 157-162
- “The Ethics of Referral,” *Canadian Veterinary Journal*, July 2006, 47 (7), pp. 717
- “Animal Ethics and Legal Status” in Marc Hauser, F. Cushman, & M. Kamen (eds.) *People, Property, or Pets?* (West Lafayette, Indiana; Purdue University Press, 2006)
- “What are a Bunch of Motorcyclers Doing in an Art Museum”, in B. Rollin *et al* (eds.) *Harley-Davidson and Philosophy* (Chicago: Open Court, 2006) pp. 61-77
- “Its My Own Damn Head”: Ethics, Freedom, and Helmet Laws in B.E. Rollin *et.al.* (eds.) *Harley-Davidson and Philosophy* (Chicago: Open Court, 2006)
- “Euthanasia and Quality of Life”, in *Journal of the American Veterinary Medical Association*, April 1, 2006, Volume 228, Number 7: pp1014-1019
- 12 ethics columns in *Canadian Veterinary Journal*
- Foreword to Aubrey Fine (ed.) *Handbook on Animal Assisted Therapy: Theoretical Foundations and Guidelines for Practice* Second Edition. (San Diego: Academic Press, 2006).
- “Moral Progress in Animal Research” in *NAVS Animal Action Report* (Summer 2006)
- “Personal reflections on the 1985 Laboratory Animal Home” in *AV Magazine*, Summer 2006
- “Now is the Time to Take a Stand on Animal Welfare” (Guest Commentary) *Veterinary Medicine*

August 2006

- “Introduction to Ethics in Veterinary Medicine”, forthcoming in a veterinary textbook in Canada. (no title yet)
- “Ethics of Pain Management” in J. Gaynor and W. Muir (eds.) *Handbook of Pain Management* (2nd edition)
- “Overcoming Ideology” in *ILAR Journal* (Institute of Laboratory Animal Resources of the National Academy of Science)
- “The Regulation of Animal Research and the Emergence of Animal Ethics: A Conceptual History” in *Theoretical Medicine and Bioethics*
- “Ethics and Biotechnology: Genetic Engineering and Cloning” forthcoming in K. Patten and P. Waldau (eds.) *A Communion of Subjects* (New York: Columbia University Press, 2007)
- “Decreasing Cage Space for Mice: Science and Ethics”, (with Joseph Garner) submitted to *Comparative Medicine*
- “Ethical Issues in Geriatric Feline Medicine” submitted to *Journal of Feline Medicine and Surgery* “Animal Mind” to *Journal of Ethics*.
- “Ethics of Agriculture” to anthology on agriculture edited by Marian Dawkins (Oxford)
- “Ethics, Biotechnology and Animals” in Paul Waldau and Kimberly Patton (eds) *A Communion of Subjects: Animals in Religion, Science, and Ethics* (NY Columbia University Press 2006)
- “An Introduction to Ethics in Veterinary Medicine” in John Taut, Brian Ausman, and Walt Ingwersen (eds) *The First Bite: A Comprehensive Guide to Establishing and Graving Your Career in Veterinary Medicine* (Textbook given to Canadian Veterinary Students, 2006)
- “Animal Mind: Science, Philosophy, and Ethics” *Journal of Ethics* Volume 11 #3, 2007
- “Consideration for Determining Optimal Mouse Caging Density” (with C. Foltz, L. Carbone, D. DeLong, P. Van Loo, J. Whittaker, A. Wolff) *Lab Animal* Volume 36 #10, November 2007
- “Animal Research: A Moral Science” in *European Molecular Biology Reports* Volume 8, June 2007
- “Overcoming Ideology: Why It is Necessary to Create a Culture in which Ethical Review of Particles Can Flourish” in *ILAR (Institute for Laboratory Animal Research of the Natural Academics of Science) Journal* Volume 48 #1. 2007
- “The Regulation of Animal Research and the Emergence of Animal Ethics: A Conceptual History” in *Theoretical Medicine* Volume 27 #4, October 2006
- “On Chimeras” *Zygon: Journal of Religion and Science* Volume 42 #3, September 2007
- “Ethical Issues in Geriatric Feline Medicine” in *Journal of Feline Medicine and Surgery* Volume 9 #4, August 2007
- “Influence of Free-Stall Base on Tarsal Joint Lesions and Hygiene in Dairy Cows” (with W. Fulwider, T. Grandin, D. Garrick, T. Engle, W. Lamm, N. Dalstead) *Journal of Dairy Science* 90, 2007
- “Effect of Stall Base Type on Herd Health, Casts, and Producer Satisfaction” (with W. Fulwider, T. Grandin, D. Garrick, T. Engle, W. Lamm, N. Dalstead) in *Sixth International Dairy Housing Conference Proceeding* June 16, 2007 (electronic, non-referred)
- “The Veterinary Profession’s Duty of care in Response to Disasters and Food Animal Emergencies” (with K. Nussbaum and J. Wohl) *Journal of the American Veterinary Medical Association* Volume 23 #2, July 15, 2007
- “Of Mice and Men” *American Journal of Bioethics* 7 (5), May 2007
- “Cultural Variation, Animal Welfare, and Telos” *Animal Welfare* Volume 16, Supplement 1, May 2007
- “Law, Ethics, and Animal Care and Use Committees” in *Proceedings of WSPA Conference on Animal Research*, Rio de Janeiro, August 2007
- “Animal Experimentation” for Peter Singer and Hilge Kuhse *Companion to Bioethics*

- Preface to Peter Sandoe and Steve Christensen *Ethics of Animal Use*
Preface to 2nd Ed. Armstrong and Botzler, *Animal Ethics Reader*
“Factory Farming” article for *Encyclopedia of Environmental Ethics and Philosophy*
“Telos and Teleology” article for *Encyclopedia of Environmental Ethics and Philosophy*
“Confinement Agriculture: for ag textbook, ed. By Borje Gustafson
Ethics chapter for *Handbook of Veterinary Pain Management* (2nd Ed.)
“The Ethics of Pain Management”, Chapter 1 of *Handbook of Veterinary Pain Management* (ed) J
Gaynor and W Muir (Mosby 2008)
“Animal Ethics and the Law” 106 Michigan Law Review (2008) pp 143ff
“The Ethics of Agriculture: The End of True Husbandry” in Marian Dawkins and Roland Bonney (ed)
The Future of Animal Farming: Renewing the Ancient Contract (John Wiley, 2008) Chapter 2
“Ethical Issues in Avian Veterinary Practice” (with Thomas Edling), in *Journal of Avian Medicine and
Surgery* 2009, 22(3) 255 ff
“Leading Discussions on Animal Rights” (with Timothy Blackwell) *Journal of the American
Veterinary Medical Association* Sept 2008, Volume 233 #6, pp868ff
“On Mandatory Reporting of Cruelty” *International Animal Law* (ejournal) 5/2008 [www.animal-
law.biz/talk.php?type=har+view=full+id=5](http://www.animal-law.biz/talk.php?type=har+view=full+id=5)
“Factory Farming” in *Encyclopedia of Environmental Ethics and Philosophy* (ed) Callicott and
Frodeman) (Macmillan, 2008)
“What are a bunch of motorcycles doing in an Art Museum” in Arthur Vine (ed) *Mammoth Book of
Bikers* (Running Press, 2008) pp 552ff.
“Through a Frame Darkly: A Phenomenological Critique of Zoos,” in Ralph Acampora (ed)
Metamorphoses of the Zoo: Animal Encounter after Noah (Rowman and Littlefield, 2010)
“Noah’s Burden – A Prolegomenon to the Ethics of Veterinary Disaster Response” in W. Wingfield and
S. Palmer (eds) *Veterinary Disaster Response* (Wiley/Blackwell, 2009)
“Why is Agricultural Animal Welfare Important – The Socio-ethical Context” in Temple Grandin (ed)
Improving Animal Welfare: A Practical Approach (CABI, 2009)
“Animal Ethics and Breed-Specific Legislation” in *Journal of Animal Law* (Michigan State University)
V, 2009.
“When Money is an Issue” in *Clinician’s Brief*, 2009
“Teleology and Telos,” “Ethics in Veterinary Medicine,” “Lab Animal Welfare,” “Genetic
Engineering”, in M. Beckoff (ed) *Encyclopedia of Animal Rights and Animal Welfare* (Greenwood,
2010)
”Confinement Agriculture: in Borje Gustafsson (ed) *Ecosystem Health and Sustainable Agriculture,
forthcoming*
“The Moral Status of Animals and their Use as Experimental Subjects,” in H. Kuhse & Peter Singer
(eds.) *A Companion to Bioethics* (second edition) (Wiley-Blackwell 2009)
“Ethics and Breed-Discriminatory Legislation,” in Joan Schaffner (ed.) *A Lawyer’s Guide to Dangerous
Dog Issues* ed Joan Schaffner (American Bar Association 2009)
“Animal Ethics and Breed-Specific Legislation” in *Journal of Animal Law* Vol V, 2009
“Ethics and Euthanasia” *Canadian Veterinary Journal* 5c(10) October 2009
“Veterinary Ethics and Production Diseases,” in *Animal Health Research Reviews* (Cambridge) 10(2)
2009
“Moral Theorie und Tiere” in Ursula Wolf et al (ed & trans) *Texte zur Tierethik* (Philipp Reclam,

Stuttgart)

- “Forschungsfreiheit versus Moralischer Status von Tieren” in Ursula Wolf et al (ed & trans) *Texte zur Tierethik* (Philipp Reclam, Stuttgart, 2009)
- “What Agriculture Must Understand” (Commentary) *Feedstuffs* April 20, 2009
- “Scientific Autonomy and the 3 R’s” in *American Journal of Bioethics* December 2009 Volume 9, #12
- “Veterinary Ethics” in *Encyclopedia of Applied Ethics*
- “Mulesing and Animal Ethics (with Jo Sneddon), forthcoming in *Journal of Agricultural and Environmental Ethics*
- “Veterinary Ethics and Production Diseases”, in *AVC Proceedings, 2009*.
- “Ranching and Emerging Social Ethics”, forthcoming in *Range Beef Cow Symposium Proceedings, 2009*
- “Palliative Medicine, Quality of Life and Euthanasia Decisions” forthcoming in *The Cat Textbook*.
- “Animal Agriculture and Social Ethics for Animals”, in *Encyclopedia of Animal Science*, Taylor and Francis 2010
- “Why is Agricultural Animal Welfare Important – The Socio-Ethical Context”, in Temple Grandin (ed) *Humane Livestock Handling*, Storey, 2010
- “Mulesing and Animal Ethics”, (with Joanne Sneddon), *Journal of Agricultural and Environmental Ethics*, 2010, Volume 23, Number 4 (also online)
- “Practical Considerations in Regenerative Medicine Research: IACUCs, Ethics, and the Use of Animals in Stem Cell Studies,” Susan VandeWoude and Bernard E. Rollin, *ILAR Journal*, Volume 51, Number 1 2010
- “Scientific Autonomy and the 3 Rs”, *American Journal of Bioethics* 9(12)
- Wingfield Wayne E; Rollin Bernard E; Bowen Richard A. “You have a disaster plan but are you really prepared?” *ILAR journal/National Research Council, Institute of Laboratory Animal Resources* 2010;51(2):164-70.
- “Are You a Pediatrician or a Mechanic?” *Clinician’s Brief* Vol. 8 number 2, February 2010
- “Farm Factories: The End of Husbandry” in D. Imhoff (ed.), *The CAFO Reader*, Watershed Media 2010
- “Farm Factories: The End of Husbandry” in D. Imhoff (ed.) *CAFO: The Tragedy of Industrial Animal Factories*, Watershed Media, 2010
- “The Moral Status of Animals and their Use as Experimental Subjects”, in P. Singer and H. Kuhse (eds), *A Companion to Bioethics* 2nd edition, Wiley-Blackwell, 2010
- “Ranching, Animal Welfare, and Animal Husbandry”, *California Cattlemen’s Journal* March 2010 (nr)
- "Through a Frame Darkly" in R. Acampora (ed.) *Metamorphoses of the Zoo: Animal Encounter after Noah*, Lexington Books, 2010
- “Veterinary Medical Ethics” in *Encyclopedia of Applied Ethics* 2nd edition, Elsevier 2010
- “Animal Research, Animal Welfare, and the 3 Rs”, in *The Journal of Philosophy, Science and Law* Volume 10, March 2010
- “Animal Pain: What it is and Why it Matters”, forthcoming in *The Journal of Ethics*, currently online
- “Animal Pain: What it is and Why it Matters”, forthcoming in Portuguese translation in Brazil
- “Should Animal Welfare be Legally Imposed or Market-Driven?” available on National Agricultural Library Website and CAST Website (nr)
- Video on Animal Research for USDA/APHIS
- Encyclopedia of Animal Rights and Animal Welfare*, Greenwood Press, 2010
- "Teleology and Telos"

"Ethics in Veterinary Medicine"
"Laboratory Animal Welfare Act"
"Genetic Engineering"

"Euthanasia, Moral Stress, and Chronic Illness in Veterinary Medicine" *Veterinary Clinics of North America: Small Animal Practice: Palliative Medicine and Hospice Care* Volume 41, #3, May 2011

"Animal Rights as a Mainstream Phenomenon" *Animals* (online refereed journal)
Success, Sustainability, Ethics and Animal Welfare, in *Vetscrpt*, refereed journal of the New Zealand Veterinary Medical Association, February 2011

Chronic Disease Management: Palliative Medicine, with Margie Scherk, in *The Cat: Clinical Medicine and Management* (definitive textbook on feline clinical medicine) St. Louis: Elsevier 2011

Through a Frame Darkly: A Phenomenological Critique of Zoos, in R. Acampora (ed) *Metamorphoses of the Zoo: Animal Encounter After Noah*, New York: Lexington Books (Rowman and Littlefield)

"Enrichment as a Moral Presupposition of Animal Research" in *The Enrichment Record*, January 2012

"The Perfect Storm-Genetic Engineering, Science, and Ethics" in *Science and Education* July 2012

"Ethics and Preharvest Food Safety" in T. R. Calloway and T.S. Edrington (eds), 2012 On-Farm Strategies to Control Foodborne Pathogens NY, Nova Science Publishers, pp 7-28

"Overcoming Scientific Ideology" lead article in Dane Scott and Blake Francis (eds) *Debating Science: Deliberation, Values, and the Common Good*; (Prometheus; Humanity Books, 2012), pp 33-49

"Ethics and Animal Research" in Jeremy R. Garrett (ed), *The Ethics of Animal Research* (Cambridge, MIT Press, 2012) pp 19-31

"Animal ethics and recollection" in Gregory R. Smulewicz-Zucker (ed), *Strangers to Nature: Animal Lives and Human Ethics* (Lexington Books; Rowman and Littlefield 2012) pp 249-26

"Farm animal welfare in Canada: major problems and prospects" in *What's on Your Plate? The Hidden Costs of Animal Agriculture in Canada* (Toronto, WSPA 2012) pp 133-161

"An opinion on the role of ethics in modern agricultural production systems" in Christine Jakobsson (ed), *Sustainable Agriculture* (CSD Uppsala, Uppsala University, 2012) pp 358-362

"Palliative medicine, quality of life, and euthanasia decisions" in Susan E. Little (ed) *The Cat: Clinical Medicine and Management* (Elsevier, 2012) pp 1155-1163

Journal Columns

1. "Veterinary Medical Ethics," monthly column in *Canadian Veterinary Journal* since January 1990. Some columns have been reprinted in a Belgian veterinary journal, and in *The California Veterinarian*. Total of over 150 columns as of 2005, covering the full range of veterinary ethical issues—large animal, companion animal, equine, laboratory animal, regulatory, etc. This column has consistently been named by readers of the *CVJ* one of the top two features.
2. Editor of "Ethics," a column dealing with veterinary ethics, formerly appearing in *Veterinary Forum*.

Papers Read, Invited Lectures, etc.

"Reasons and Rationalizations," at City College Faculty Colloquium, (July 1967).

"There is Only One Categorical Imperative," at CSU Philosophy Department Colloquium November 1970).

- "Hume's Blue Patch and the Mind's Creativity," read by invitation at the University of Colorado Philosophy Lecture Series (March 1971).
- "Natural Meaning, Conventional Meaning, and David Lewis' *Convention*," read by invitation at the Illinois Philosophy Conference (November 1972).
- "H. P. Grice's Theory of Meaning," read at CSU Philosophy Department Colloquium (May 1973).
- "Natural Meaning, Conventional Meaning, and David Lewis' *Convention*," read at First International Congress of the International Association for Semiotic Studies, Milan, Italy (May, 1974).
- "Beasts and Men: The Scope of Moral Concern," read at CSU Philosophy Department Colloquium (May, 1975).
- "Surrealism" (three-part lecture delivered before CSU literary honor society), October 1975).
- "The Scottish Philosophy of Common Sense," read at the Rocky Mountain Conference on British Studies (November 1975) in Tucson, Arizona.
- Visiting lecturer at North Central College, Naperville, Illinois, February 1976. Lectured on "Philosophy and Paradox," "Surrealism," and "Beasts and Men: The Scope of Moral Concern."
- "Time, Space, and Impressions," read at the 1976 Hume Bicentennial Conference, University of Edinburgh, Scotland, August 1976.
- "Hume on Time and Space," read at the Rocky Mountain Conference on British Studies (November 1976), Snowbird, Utah.
- "Hume, Induction, and Natural Selection," read by invitation at the North American Bicentennial Hume Conference, McGill University, Montreal, Canada (November 1976).
- "Thomas Reid and the Semiotics of Perception," read at CSU Philosophy Department Colloquium (December 1976).
- "On the Nature of Illness," read at CSU Philosophy Department Colloquium (March 1977).
- "Can There Be a Theory of Literature?" lecture-debate before CSU literary honor society.
- "Literary Explanation and Intentionality," read by invitation at the Rocky Mountain Modern Language Association annual meeting, Las Vegas, October, 1977.
- "Law, Morality and the Rights of Animals," written for University of Pittsburgh Law School Symposium on Animal Rights. (postponed)
- "Reductionism and Biomedical Science," read at CSU Philosophy Department Colloquium (April 1978).
- "Research in the Humanities," read before the 1977 CSU Conference on Research.
- "The Legal and Moral Bases of Animal Rights," delivered by invitation as major address to regional meeting of the American Humane Association, Colorado Springs, August 1978.
- "Nature, Convention, and the Medical Approach to the Dying Aged," presented at Columbia University College of Physicians and Surgeons, Conference on Death and Aging of the Institute of Thanatology, October 1978.
- Invited lecturer and guest of Polish Academy of Science, October 1978. Lectured on: "Nature, Convention and the Medical Approach to the Dying Aged," Polish Academy of Medicine; "Beasts and Men: Scope of Moral Concern," Department of Philosophy, University of Warsaw; "Thomas Reid and Semiotics of Perception," Institute of Semiotics, University of Warsaw.
- Invited lecturer and featured speaker at American Humane Association national meeting, Miami, Florida, November 1978. Lectured on: "Morality, Law, and the Rights of Animals," "The Future of the Humane Movement."
- Invited to lecture on legal rights for animals, national meeting of the Humane Society of the United States, Dearborn, Michigan, October 1978.
- Invited participant in symposium on legal rights for animals, Newark, February 1979.

Invited lecturer at VPI and SU International symposium on animal rights, May 1979, lectured on "Legal and Moral Bases of Animal Rights."

Invited to lecture at University of Colorado as part of ongoing series of lectures in history and philosophy of science, on reductionism, April 1979.

Keynote speaker at Humane Society of the United States National Convention, Orlando, Florida, November 1979.

Invited lecturer at Cornell University on veterinary ethics and animal rights, November 1979.

"Law, Morality, and the Rights of Animals," delivered as a public lecture at the University of Northern Colorado, March 1979.

Invited lecturer at Purdue University College of Veterinary Medicine, October 1979.

Invited lecturer at symposium on Pain and Stress in Animals, Orlando, Florida, November 1979.

"On the Nature of Illness," read at the University of Florida, Philosophy Department, June 1979.

Scheduled to lecture at American Physiological Association National Meeting, Fall 1981. (postponed)

Invited lecturer at Concord Veterinary Assoc., California, March 1980; lectured on "Animal Rights."

Invited lecturer, University of California at Davis, College of Veterinary Medicine, lectured on "Animal Rights and Veterinary Medicine," March 1980.

Invited lecturer, School of Veterinary Medicine, Louisiana State University, April, 1980, lecture on "Animal Rights."

Keynote speaker, March 1981 at jointly sponsored Columbia College of Physicians & Surgeons--Animal Medical Center Symposium on Grief in Human and Animal Medicine, New York City.

Keynote speaker, Canadian Federation of Humane Societies, Calgary, Alberta, June 1980.

"HR 6847," presented at USDA meeting on the Animal Welfare Act, Kansas City, July 1980.

Invited lecturer, University of Florida College of Veterinary Medicine, February 1981.

Keynote speaker, Ontario Humane Society, May 1981.

Lectured to a consortium of animal welfare groups, San Francisco State University, made film entitled "Tools for Research" (award winner), gave TV, newspaper interviews, San Francisco, CA, August, 1981.

Invited to participate, University of Delaware Center for Values conference on agribusiness, July, 1981.

Keynote speaker, Colorado Chapter of American Association for Laboratory Animal Science (AALAS), May, 1981.

Invited lecturer, National AALAS (American Association for Laboratory Animal Science) meeting, Salt Lake City, October, 1981.

Invited lecturer, Ohio State University College of Veterinary Medicine, November, 1981.

Keynote speaker, University of Pennsylvania conference on Human Companion Animal Bond, October, 1981.

Commencement speaker, Animal Medical Center, New York, July, 1982.

Gave major address at seminar on the seal hunt, Toronto, Ontario, February, 1982.

Ran one-day seminar for various federal Canadian ministers (Justice, Agriculture, etc.) on animal rights, October, 1981.

Invited lecturer, University of Florida, College of Veterinary Medicine, December, 1981.

Invited lecturer, University of Wyoming, Animal Science (Biological Science Colloquium), September, 1981.

Speaker, Michigan Farm Bureau, December, 1981.

Speaker, University of Tennessee Symposium on Veterinary Medical Ethics, Knoxville, June, 1982.
(3 lectures).

Invited lecturer, annual meeting of Canadian veterinary faculty, Quebec City, July, 1982.

Invited lecturer, University of Guelph, February, 1982.

Featured guest, WIS (Columbia, SC) radio interview show (live), March, 1982; WKRC (Cincinnati),
December, 1982 (live).

Featured guest, MTV (Toronto), February, 1982.

Invited lecturer, AALAS national meeting, Washington, DC, October, 1982.

Invited lecturer (featured speaker), California Veterinary Medical Association, October, 1982.

D.L.T. Smith lecturer in annual endowed lecture series, University of Saskatchewan, College of
Veterinary Medicine, April, 1983. (gave 4 lectures).

Invited lecturer, conference on Animal Welfare, University of Guelph, College of Veterinary Medicine,
June, 1983. (postponed)

Featured speaker, American Humane Association Annual Meeting, October, 1982.

Chairman and keynote speaker, Symposium on Animal Awareness, Boston, November, 1982.

Invited lecturer, Tufts University, College of Veterinary Medicine, November, 1982.

Invited lecturer, Weizman Institute, Jaffa, Israel, March, 1983. (postponed 1984)

Banquet speaker, Annual Meeting of the Shock Society, Jackson Hole, WY, July, 1983.

Keynote speaker, University of Manitoba, "Celebration 83," January, 1983. Francisco, CA, April 1983.

Invited lecturer, University of California at Davis College of Veterinary Medicine, gave four lectures
for new course on Veterinary Ethics, lectured for SCAVMA, April, 1983.

Invited lecturer, Joint Columbia University/Animal Medical Center Symposium on Grief and Pet Loss,
December, 1984.

Invited lecturer, Larimer County Veterinary Medical Association, April, 1983.

Invited lecturer, AHA Animal Control Symposium, November, 1982.

Invited lecturer, SCAVMA national meeting, Michigan State University, March, 1983.

Invited lecturer, MSU program in medical humanities and MSU philosophy department, March, 1983.

Invited lecturer, Mountain High American Association for Advancement of Laboratory Animal
Science, May 1983.

Invited lecturer, Washington State University, College of Veterinary Medicine, December, 1982.

Invited lecturer, Washington State University, Department of Philosophy, December, 1982.

"An Evening with Bernard Rollin," Ft. Collins Humane Society Dinner, December, 1982.

Invited to testify before U.S. Congress on Walgren Bill, December, 1982. (One of seven witnesses,
including Dr. Michael DeBakey. Carried endorsement of CSU, USC, Florida, American
Physiological Society, California Veterinary Medical Association.

Keynote speaker, Colorado Association of Veterinary Technicians, April, 1983.

Invited lecturer, University of Georgia, College of Veterinary Medicine, Spring, 1984.

Keynote speaker, Marin County Humane Society, September, 1983.

C.W. Hume (UFAW) endowed lecturer, Kings College, University of London, November, 1983.

Invited lecturer, Animal Protection Institute, September 1983. (unable to attend)

Invited lecturer, Washington State University, College of Veterinary Medicine, June 1983.

Invited lecturer, Washington State University, College of Veterinary Medicine, January 1984.

Invited lecturer, University of Glasgow (Scotland), November, 1983.

Invited lecturer, University of Liverpool, November 1983.

Invited lecturer, University of Edinburgh, November 1983.

Consultant to Canadian Federation of Humane Societies on Revising the Criminal Code of Canada, December 1983, Toronto.

Honors Professor Lecture, CSU, November 1983, "Putting the Horse before Descartes."

Invited lecturer, Scottish Society for the Prevention of Vivisection, Edinburgh, November, 1983.

Invited lecturer, British Veterinary Association, London, November 1983.

Invited lecturer and consultant, Washington State University, College of Veterinary Medicine, January 1984.

Invited lecturer and consultant, Ohio State University, College of Veterinary Medicine, January 1984.

Invited lecturer, College of Veterinary Medicine, University of Florida, February 1984.

Invited lecturer, Department of Philosophy, University of Florida, February 1984.

Invited speaker, Alachua County Veterinary Association, Gainesville, Florida, February 1984.

Invited lecturer, Montana State University, Honors Program Lecture Series in Bioethics, April 1984.

Invited lecturer, Department of Microbiology, Montana State University, April 1984.

Invited witness, Australian Senate hearings on laboratory animals, August 1984. (unable to attend)

Invited lecturer, University of Colorado Symposium on Animal Liberation, April 1984.

Keynote lecturer, ACLAM Symposium on Pain in Animals, Cincinnati, November, 1984.

Invited lecturer, AALAS Symposium on Stress and Laboratory Animal Workers, November 1984, Cincinnati, National AALAS Meeting.

Invited lecturer, Kansas State University, College of Veterinary Medicine, September 1984.

Invited lecturer, University of Missouri, College of Veterinary Medicine, February 1985.

Invited lecturer, Animal Protection Institute Annual Meeting, San Francisco, September 1984. (Unable to attend.)

Invited lecturer, University of Georgia, College of Veterinary Medicine, SCAVMA, April 1984.

Invited lecturer, University of Wyoming, Program in Rural and Agricultural Ethics, March 1984.

Invited lecturer, SCAVMA Auxiliary, February 1984, Colorado State University.

Invited lecturer, graduate course in college teaching, "What Makes a Great Teacher," CSU, February 1984.

Invited lecturer, American Psychological Association, annual meeting in Toronto, August 1984, "Morality of Animal Use in Psychological Research."

Invited lecturer, Tufts University, College of Veterinary Medicine, October 1984.

"Zoroastrian Perspectives on Animals," (with James Boyd), presented by Boyd at the American Academy of Religion Meetings, November 1984, Santa Fe, New Mexico.

Consultant to Canadian Royal Commission on Criminal Law Reform, March 1984.

Consultant to Canadian Royal Commission on Criminal Law Reform, December 1984.

Invited lecturer, Colorado Springs Veterinary Association, April 1984.

Invited lecturer, Mile High AALAS, annual meeting, May 1984, Denver, Colorado, "Stress and Animal Use."

Invited lecturer, Annual National Meeting of Veterinary Librarians, Denver, Colorado, May 1984.

Invited seminar speaker, Canadian Committee on Whales and Whaling, Calgary, Alberta, October 1984.

Invited lecturer, Long Beach State University, Distinguished Philosophers Series, November 1984.

Invited lecturer, University of the Redlands, November 1984.

Invited lecturer, University of California, Davis, College of Veterinary Medicine, November 1984 (4 lectures).

Invited lecturer, Euthanasia Symposium, Columbia University College of Physicians and Surgeons, New York, December 1984.

Invited lecturer, Colorado Division of Wildlife, September 1984.
Invited lecturer, Washington State University, College of Veterinary Medicine, November 1984.
Invited lecturer, Iowa State University, College of Veterinary Medicine, April 1985 (two lectures).
Invited lecturer, Swine in Biomedical Research International Symposium, Maryland, June 1985.
Invited keynote speaker, International Conference on Genetic Engineering of Animals, University of California, Davis, College of Agriculture, September 1985.,
Invited lecturer, Elbert County Cattlemen's Association, Stockman's Seminar, Kiowa, Colorado, February 1985.
Invited lecturer, American Philosophical Association, Pacific Meetings, San Francisco, March 1985.
Invited lecturer, University of California, Berkeley, March 1985.
Consultant to University of California, Berkeley, Committee on Animal Care, March 1985.
Consultant to USDA on genetic engineering, Washington, D.C., February 1985.
Endowed lecturer, Lowell Lecture, New England Aquarium, "Putting Descartes Before the Horse," Boston, April 1985.
Invited lecturer, Colorado Cattlemen's Association, Annual Meeting, Alamosa, Colorado, June 1985. (postponed)
Invited lecturer, Stanford University, May 1985.
Invited consultant, Australian Senate Committee on Animal Welfare July 1985.
Invited lecturer, John Curtin School of Medical Research, Australian National University, Canberra, Australia, July 1985.
Invited keynote speaker, Conference on Animal Welfare, Sydney, Australia, July 1985.
Invited lecturer (public lecture), University of Adelaide, Adelaide, Australia.
Invited lecturer, Veterinary College, University of Sydney, Sydney, Australia, July 1985.
Invited consultant, South Australia Government Committee on Animal Welfare, July 1985.
Invited guest, Australian radio and television shows, July 1985.
Invited lecturer, Royal Vancouver Yacht Club, August 1985.
Invited guest, Vancouver radio talk show, August 1985.
Public lecture, Vancouver media center, August 1985.
Invited lecturer, Special joint AALAS and CALAS meeting, University of British Columbia, August 1985.
Invited Keynote speaker, International Conference on Genetic Engineering of Agricultural Animals, University of California Davis.
Keynote speaker, Canine Behavior Conference, Los Angeles, September, 1985.,
Public lecture, Canine Behavior Conference, Los Angeles, September 1985.
Keynote speaker, American Humane Association annual meeting, Atlanta, Georgia, October 1985.
Invited lecturer, Delta Society Annual Meeting, Denver, Colorado, October 1985.
Invited lecturer, Humane Society of the United States annual meeting, Schaumburg, Illinois, lectured on "Ethical Issues in Pet Therapy," October 1985.
Invited lecturer, Tufts University College of Veterinary Medicine, Boston, October 1985.
Invited lecturer, Washington State University College of Veterinary Medicine, December 1985.
Invited lecturer, Washington State University College of Animal Science, December 1985.
Invited panelist, Public Responsibility in Medicine and Research Conference on Animal Care Committees, November 1985. (unable to attend)
Keynote speaker, Elbert County Farm Bureau annual meeting, Kiowa, Colorado, November 1985. (unable to attend)
Invited lecturer, Neurotoxicology Program, Johns Hopkins University, December 1985.

Invited lecturer, University of Guelph College of Veterinary Medicine, February 1986.
Invited lecturer, Louisiana State University, College of Veterinary Medicine, January 1986.
Invited lecturer (Keynote speaker), International Animal Air Transportation Association, annual meeting, Ottawa, Canada, April 1986.
Invited lecturer, University of Colorado Medical School, Division of Neonatology, April 1986.
Invited lecturer, Delta Society Annual Meeting, lectures on euthanasia, animal consciousness, Boston, August 1986.
Invited lecturer, Animal Protection Institute annual meeting, Sacramento, California, October 1986.
Invited lecturer (Banquet Speaker), Annual General Meeting, Humane Society of Central Oregon; Bend, Oregon, May 1986.
Invited lecturer, Canadian Division of Wildlife (federal), Ottawa, May 1986.
Invited lecturer, Society of Andrology Annual Meeting, Denver, Colorado, March 1987.
Invited lecturer, Washington State University, College of Veterinary Medicine, September 1986.
Invited lecturer, University of Amsterdam (Netherlands), November 1986.
Invited lecturer, University of Leiden (Netherlands), November 1986.
Invited lecturer, University of Utrecht (Netherlands), November 1986.
Invited lecturer, University of Nijmegen (Netherlands), November 1986.
Invited lecturer, University of Groningen (Netherlands), November 1986.
Invited lecturer, Annual Conference on Brain Research, Vail, Colorado, January 1987.
Invited lecturer, Student AVMA national meeting, CSU, March 1987.
Invited lecturer, Alberta SPCA annual meeting, Edmonton, Canada, May 1987.
Invited lecturer, Canadian Medical Research Council, Alberta, January 1987.
Invited lecturer, University of Pennsylvania, College of Veterinary Medicine, January 1987.
Invited lecturer, Washington State University, April 1987.
Invited lecturer, University of Idaho, Moscow, Idaho, April 1987.
Invited lecturer, AVMA annual meeting, July 1987.
Banquet Speaker, AVMA symposium on pain and suffering in animals, Chicago, Illinois, May 1987.
(Also served on AVMA panel to draft position paper.)
Invited lecturer, British Veterinary Association, London, England, September 1988.
Invited lecturer, Iowa State U. symposium on genetic engineering, Ames, Iowa, November 1987.
Invited lecturer, Tufts U. College of Veterinary Medicine, Boston, Massachusetts, November 1987.
Invited lecturer, Columbia University College of Physicians and Surgeons Symposium on love and loss, New York City, New York, June 1987.
Invited lecturer, Schweitzer Institute, Berkeley, CA, June 1987.
Invited lecturer, Cornell University, Ithaca, New York, December 1987.
Invited lecturer, Joint NIH - Canadian Medical Research Council Symposium, on ethics and experimentation, Ottawa, Ontario, Canada, April 1988
Invited lecturer, University of Illinois College of Veterinary Medicine, Champaign-Urbana, Illinois, April 1988.
Banquet speaker, Phi Zeta Dinner, University of Illinois College of Veterinary Medicine, Champaign-Urbana, April 1988.
Invited speaker, Animal Appreciation Day Sermon, Fall River Congregational Church, Fall River, Massachusetts, May 1988.
Invited lecturer (keynote), New York University symposium on animal rights, May 1988.
Invited to make videotape on animal research and animal rights, Virginia Polytechnical Institute, Blacksburg, Virginia, (to be distributed nationally), May 1988.

- Invited speaker, Office of Technology Assessment, U.S. Congress, Meeting on Patenting of Life-Forms, Washington, D.C., May 1988.
- Invited speaker, University of Colorado, Boulder, Laboratory Animal Week, April 1988.
- Invited participant, American Association of Veterinary Colleges, *ad hoc* committee on reducing number of animals used in veterinary education, Chicago, Illinois, June 1988.
- Invited lecturer, Dupont Corporation, Wilmington Delaware, August 1988, lectured on animal pain.
- Keynote lecturer, University of New Mexico College of Medicine, September 1988.
- Invited lecturer, AVMA Symposium on Genetic Engineering, Washington, D.C., Sept 1988.
- Invited lecturer, Georgia Regional Conference on Animal Welfare, Macon, Georgia, Oct 1988.
- Invited lecturer, Purdue University and Purdue College of Veterinary Medicine, Nov 1988.
- Invited lecturer, Cornell University College of Veterinary Medicine, November 1988.
- Invited lecturer, CSU Sigma Xi, Fort Collins, Colorado, October 1988.
- Invited lecturer, Phi Beta Kappa Banquet, CSU, Fort Collins, Colorado, April 1989.
- Invited lecturer and keynote speaker, South African Medical Research Council, South Africa, March 1989. (2 lectures)
- Workshop leader, South African Medical Research Council Conference on animal experimentation, March 1989. (Workshop on ethical dilemmas in animal use.)
- Invited lecturer, University of Pretoria and University of Medunsa Colleges of Veterinary Medicine (Pretoria, South Africa), March 1989.
- Invited participant, Center for Respect for Life and the Environment Colloquium, Washington, D.C., April 1989.
- Invited lecturer, Animal Behavior Society Annual Meeting, lecture on "Anecdote, Anthropomorphism, Mentation, and Animal Behavior." Highland Heights, Kentucky, June 1989.
- Invited lecturer, Science, Technology and Human Values Program, East Lansing Community College, East Lansing, Michigan, May 1989.
- Invited lecturer, Colorado Dairyman's Association, Colorado Farm Days, Greeley, Colorado, January 1989.
- Invited lecturer on genetic engineering, American Library Association Annual Meeting, Dallas, Texas, June 1989.
- Invited lecturer, joint meetings of the American Society of Animal Science and the American Dairy Science Association, Lexington, Kentucky, August 1989.
- Invited lecturer, International Conference on Ethical Choice in the Age of Pervasive Technology, Guelph, Ontario, Canada, October 1989.
- Invited lecturer, Purdue University College of Veterinary Medicine, September 1989.
- Invited lecturer, Midwestern Regional SCAVMA meeting, Lafayette Indiana, September 1989.
- Invited keynote lecturer, Colorado Cattle Feeders Association, Vail, Colorado, August 1988.
- Invited lecturer, Colorado Department of Agriculture closed seminar on the future of agriculture, Denver, Colorado, May 1989.
- Invited lecturer, Colorado Division of Wildlife, lectured to all administrators and regional managers, Denver, Colorado, March 1989.
- Invited lecturer, Trinity University, Distinguished Philosophers Series, San Antonio, Texas, November 1989.
- Invited lecturer (keynote), AAFC Annual Meeting, Seminar on Alternatives to live animal surgery, Gainesville, Florida, July 1989.
- Telephone talk show featured guest, Wisconsin public radio, Wisconsin Commercial radio, Dallas, Spokane Summer and Fall 1989.

- Invited lecturer, closed seminar for Colorado agricultural business leaders, Denver, Colorado, September 1989.
- Invited lecturer, University of Colorado Lecture Series on Animal Consciousness, Boulder, Colorado, October 1989.
- Invited lecturer, University of California, Davis, Informational Conference on Genetic Engineering and Food, October 1989.
- Invited Distinguished Matchette Lecturer, Texas A&I University, Kingsville, Texas, November 1989.
- Invited lecturer, University of Wyoming Department of Animal Science, Laramie, Wyoming, 1989, October 1989.
- Invited lecturer, Extension Service Symposium for Cattlemen, Laramie, Wyoming, November 1989.
- Invited lecturer, International Association of Fairs and Expositions, Annual Meeting, Las Vegas, November 1989
- Invited lecturer, Rocky Mountain Farmers Union, Denver, Colorado November 1989.
- Keynote speaker, Colorado Horseman's Council Annual Meeting, Denver, Colorado, December 1989.
- Keynote speaker, Denver Stock Show National Education Program for Animal Science Students (Block and Bridle), Denver, Colorado, January 1990.
- Keynote speaker, Longmont Humane Society Annual General Meeting, Longmont, Colorado, January 1990.
- Invited lecturer, Fort Morgan's Young Farmers Association, Fort Morgan, Colorado, February 1990.
- Invited Lecturer, Extension Beef Symposium, Montrose, Colorado, February 1990.
- Invited lecturer, Extension Beef Symposium, Durango, Colorado, February 1990.
- Invited lecturer (sole speaker), Extension Symposium on Animal Rights for Ranchers, Norwood, Colorado, March 1990.
- Invited lecturer (3 lectures), San Francisco State University Symposium on Animal Rights and Environmental Issues, March 1990.
- Invited lecturer, CSU Biology Society, April 1990.
- Invited lecturer, Fitzsimons Army Hospital, April 1990.
- Invited lecturer (2 lectures), Michigan State University and Michigan State University College of Veterinary Medicine, April 1990.
- Consultant to Michigan State University on alternatives to live animal surgery, April 1990.
- Invited lecturer (sole lecturer with comments by three scholars), Tufts University Symposium on Biotechnology, May 1990.
- Invited lecturer, Rodeo Managers of America Annual Meeting, Jackson, Wyoming, June 1990.
- Invited lecturer, Colorado Cattlemen's Association Annual General Meeting, Lamar, Colorado, June 1990.
- Invited lecturer, Texas Cattle Feeders Association, Annual General Meeting, Crested Butte, Colorado, June 1990.
- Invited lecturer, American Association of Bovine Practitioners, Annual Meeting, Indianapolis, Indiana, September 1990.
- Invited keynote speaker, Women in Agriculture Symposium, University of Nebraska, Lincoln, Nebraska, September 1990. (Postponed)
- Invited keynote speaker, American Humane Association Annual Meeting, Nashville, Tennessee, September 1990.
- Invited keynote speaker, Humane Society of Broward County, Fort Lauderdale, Florida, October 1990.
- Invited lecturer, Wyoming Association of Fairs and Rodeos, Casper, Wyoming, November 1990.

Invited speaker (with Tom Regan), University of Tennessee, Department of Philosophy Symposium on Animal Rights, Knoxville, Tennessee, November 1990.

Invited lecturer, Society of Animal Welfare Administrators Annual Meeting, Nashville, Tennessee, September, 1990.

Invited lecturer, Keynote speech and two lectures, San Francisco State University, International Symposium on Animal and Environmental Ethics, March 1990.

Invited lecturer, Purdue University and Purdue University College of Veterinary Medicine, September 1990.

Invited lecturer, Excel Meat Packing Plant, Fort Morgan, Colorado, January 1991.

Invited lecturer, Colorado Farm Show, Greeley, Colorado, January 1991.

Invited lecturer, Northern Rodeo Association (2 lectures), Billings, Montana, February 1991.

Invited lecturer, Youth Beef Industry Congress, Estes Park, Colorado, March 1991.

Site Visitor, Canadian National Science and Engineering Research Council, Vancouver, B.C., March 1991.

Invited Lecturer, Council of Biology Editors Annual Meeting, Denver, CO, May 1991.

Invited lecturer, University of Maryland International Conference on Agricultural Animal Welfare, (lecturer and panelist), Wye Woods, Maryland, June 1991.

Invited lecturer, Extension Conference for Agricultural Lenders, Fort Collins, Colorado, September 1991.

Invited lecturer, American Humane Association Annual Meeting, Panel of Alternatives to Animals in Research, September 1991.

Invited workshop leader, American Humane Association Annual Meeting, Workshops on "How to Win an Argument" and "Local Action," September 1991.

Invited lecturer, University of Colorado, Department of Biology, September 1991.

Keynote speaker, Denver Veterinary Medical Association Conference on Grief, October 1991.

Invited lecturer, Purdue University College of Veterinary Medicine, October 1991.

Invited Lecturer, Texas A&M University, Department of Animal Science (3 lectures), October 1991.

Keynote speaker, Conference on Technology and Food Production, University of Alberta, November 1991.

Invited lecturer, American Association of Equine Practitioners' Annual Meeting, San Francisco, December 1991.

Dinner speaker, Adams County Farm Bureau Annual Meeting, October 1991.

Invited lecturer, Ogallala, Nebraska Cattlemen's Association, December 1991.

Invited lecturer, University of Florida, Course in Animal Issues, Gainesville Florida, December 1991.

Invited lecturer, Florida Thoroughbred Stable Managers, Ocala, December, 1991.

Invited lecturer, University of Florida College of Veterinary Medicine (2 lectures), Dec 1991.

Invited lecturer, North Carolina Veterinary Medical Association, Greensboro, N.C., Jan 1992.

Invited lecturer, Steamboat Springs Extension, January 1992.

Invited lecturer, Grand Junction Extension--Chamber of Commerce Symposium, February 1992.

Invited lecturer, Colorado Farm Bureau Young Farmers Meeting (3 lectures), Glenwood Springs, January 1992.

Invited lecturer, Colorado Springs Cattlemen's Association, February 1992.

Invited lecturer, University of Missouri, February 1992.

Invited discussion leader, Governor's Agricultural Forum, Denver, March 1992.

Invited lecturer, Dodge Foundation, March 1992.

Invited distinguished lecturer, Atlanta Veterinary College, University of Prince Edward Island, Canada (2 lectures), April 1992.

Invited lecturer, Worland Bull Test Seminar, Worland, Wyoming, April 1992.

Invited lecturer, Southern Wyoming Veterinary Association, Cheyenne, Wyoming, April 1992.

Invited lecturer, Extension Meeting, Brush, Colorado, April 1992.

Invited lecturer and moderator, National Animal Control Association, Seattle, Washington, May 1992.

Invited lecturer, Adams County Extension, June 1992.

Invited lecturer, Vail Humane Society, July 1992.

Invited lecturer, University of Idaho, Moscow, September 1992.

Invited lecturer, Alberta Feed Industry Conference, Lethbridge, Alberta, September 1992.

Invited lecturer, American Humane Association Annual Meeting, San Diego, (Two workshops), October 1992.

Invited lecturer, Greeley Horseman's Association, Greeley, Colorado, October 1992.

Invited lecturer, AVMA Animal Welfare Symposium, Chicago, November 1992.

Invited lecturer, University of Florida, November 1992.

Invited lecturer, University of Florida College of Veterinary Medicine, November 1992.

Invited lecturer, College of Veterinary Medicine, Iowa State University, Ames, Iowa, Nov 1992.

Invited lecturer, Animal Science Symposium, VPI, Blacksburg, Virginia, November 1992.

Invited lecturer, two lectures on professional ethics and animal welfare, AAEP Annual Meeting, Orlando, November-December 1992.

Invited lecturer, three lectures, Purdue University College of Veterinary Medicine, Lafayette, Indiana, December 1992.

Invited lecturer, Colorado Pork Producers, Greeley Farm Days, Greeley, Colorado, Jan 1993.

Invited lecturer, Alberta Cattle Feeders Association, January 1993.

Invited lecturer, University of Wyoming Department of Philosophy, January 1993.

Invited keynote lecturer, International Livestock Congress, Houston, February 1993.

Invited lecturer, Colorado-Wyoming Fisheries Association, Laramie, Wyoming, March 1993.

Invited lecturer, Jewel Cave Conference on Prairie Dog Ecology and Management, Jewel Cave, South Dakota.

Invited lecturer for the Board of Directors, Santa Anita Race Track, April 1993.

Keynote speaker, Purdue--USDA Conference on Farm Animal Welfare, Indianapolis, April 1993.

Keynote speaker and lecturer, Colorado Animal Control Association, April 1993.

Keynote speaker, Colorado Agricultural Bankers, Colorado Springs, April 1993.

Invited lecturer, Veterinary technicians program, Colorado Mountain College, Glenwood Springs, April 1993.

Invited lecturer, Composite Cattle Breeders--USDA Annual Meeting, Miles City, Montana, July 1993.

Invited lecturer, Colorado Division of Wildlife Annual Training Meeting, August 1993.

Invited lecturer, Purdue University College of Veterinary Medicine, September 1993.

Invited lecturer, USDA/CSRS, lectured on farm animal welfare, Washington, D.C., Sept 1993.

Invited lecturer, Portland Animal Control Annual Meeting, Portland, Oregon, October 1993.

Invited keynote speaker, USDA Conference on Immuno-contraception, Denver, Colorado, October 1993.

Invited lecturer, Fairview College, Fairview, Alberta, November 1993.

Invited lecturer, Conference on Ethical Relations With Other Creatures, Little Rock, Arkansas, November 1993.

Invited lecturer, 4-H National Meeting, Denver, Colorado, November 1993.

- Invited lecturer, Danish Agricultural and Veterinary Research Council Conference on Welfare of Domestic Animals, Copenhagen, January 1994.
- Invited lecturer, Nova Scotia Agricultural College Conference on Decision Making and Agriculture: The Role of Ethics, Truro, Nova Scotia, January 1994.
- Keynote speaker, International Conference on Immuno-contraception in Wildlife, Denver, Colorado, January 1994.
- Invited lecturer, University of Buffalo, program in science and ethics, Buffalo, New York, February 1994.
- Invited lecturer, Western Veterinary Conference, Las Vegas, Nevada, February 1994 (3 lectures).
- Invited keynote speaker, Humane Society for Larimer County, Annual General Meeting, March 1994.
- Invited lecturer, University of Tennessee College of Veterinary Medicine (6 lectures, including College Anniversary Lecture), Knoxville, Tennessee, March 1994.
- Invited lecturer, Knoxville Humane Society, Knoxville, Tennessee, March 1994.
- Invited lecturer, Extension Horseman Program, Montrose, Colorado, March 1994.
- Invited lecturer, Swine Days, Brush Colorado, March 1994 (2 lectures).
- Invited lecturer, Massey University School of Veterinary Medicine, Palmerston North, New Zealand, April 1994.
- Invited lecturer, CSU Ag Expo, Fort Collins, Colorado, May 1994.
- Invited lecturer, National Purebred Livestock Association Annual Meeting, Denver, Colorado, May 1994.
- Invited lecturer, Animal Science Association/Dairy Science Association Annual Meeting, Minneapolis, July 1994, lectured on farm animal welfare and genetic engineering of animals. (Sections on sustain ability and animal reproduction.)
- Invited lecturer, Purdue University College of Veterinary Medicine (4 lectures), September 1994.
- Invited lecturer, Kentucky Veterinary Medical Association, Lexington, Kentucky, October 1994.
- Master of Ceremonies, Larimer County Humane Society Annual Dinner and Auction, October 1994.
- Keynote speaker, University of Alberta Symposium on Animal Research, Edmonton, Alberta, November 1994.
- Keynote speaker, Extension Horsemen's Seminar, Vancouver, British Columbia, November 1994.
- Invited lecturer, Northeast Missouri State, Kirksville, Missouri, November 1994.
- Interviewed, ABC-TV/Kane Productions prime program on Frankenstein, December 1994.
- Invited lecturer, Annual National 4-H Roundup, Denver, Colorado, January 1995.
- Invited lecturer, National Reining Horse Association, Indianapolis, Indiana, January 1995.
- Invited lecturer, Greeley Farm Show-Dairy Days, Greeley, Colorado, January 1995.
- Invited lecturer, APHIS Visioning Conference, Solomon's Island, Maryland, January 1995.
- Invited lecturer, University of Buffalo, course in Science and Ethics, Buffalo, New York, February 1995.
- Invited lecturer and consultant, California Veterinary Medical Association, House of Delegates meeting, Anaheim, California, February 1995.
- Invited keynote lecturer, Western Canada Reproductive Biology Society, University of Saskatchewan, Saskatoon, Canada, February 1995.
- Invited lecturer, University of Wyoming, Department of Political Science, February, 1995.
- Endowed lecturer, Nelson Lecture, Department of Philosophy, Indiana University, Bloomington Indiana, March 1995.
- Invited lecturer, American Animal Hospital Association Annual Meeting, Symposium on Cruelty, Denver, Colorado, March 1995.

Keynote speaker, Western Dairy Association Annual Meeting, Las Vegas, Nevada, April 1995.
Endowed lecturer, Robert Totusek Lecture, Oklahoma State University, Department of Animal Science, April 1995.
Invited lecturer, Western Large Herd Dairy Management Conference, Las Vegas, NV, April 1995.
Invited lecturer, USDA/APHIS Veterinary Services, Fort Collins, Colorado, May 1995.
Keynote speaker, National Animal Control Association Annual Meeting, Snowmass, Colorado, May 1995 (2 lectures).
Keynote speaker, International Charolais Association Annual Meeting, Rapid City, South Dakota, June 1995.
Invited lecturer, Canadian Federation of Humane Societies Annual Meeting, Vancouver, BC, June 1995.
Invited luncheon lecturer and participant, North Carolina Biotechnology Symposium in Genetic Engineering of Animals, Research Triangle Park, NC, June 1995.
Invited keynote speaker and lecturer (two lectures), International Charolais Association Annual Meeting, Rapid City, South Dakota, June 1995.
Invited lecturer, AVMA Annual Meeting, Symposium on Animal Research, Pittsburgh, Pennsylvania, July 1995.
Invited lecturer, Tattered Cover Bookstore, July 1995.
Keynote speaker and panelist, Australia-New Zealand Council on the Care of Animals in Research and Teaching, Wellington, N.Z., August 1995.
Invited lecturer, New Zealand Veterinary Medical Association, Equine Governing Board, Auckland N.Z., August 1995.
Invited lecturer, Massey University College of Veterinary Medicine, Palmerston North, N.Z., August 1995.
Keynote Speaker, Australia-New Zealand Laboratory Animal Science annual meeting, Wellington, N.Z., August 1995.
Lecture and book signing, Stone Lion Bookstore, Fort Collins, CO, September 1995.
Invited lecturer, Purdue University. Lectured to veterinary students, animal science students, interdisciplinary course in animal issues. September 1995.
Invited lecturer, Larimer County Human-Animal Bond Group, September 1995.
Invited lecturer, CSU Students for the Ethical Treatment of Animals, October 1995.
Invited lecturer, Iowa State University, College of Veterinary Medicine, all-university lecture, philosophy class, and three-hour informal discussion with Animal Science Department, October 1995.
Invited lecture, California Biotechnology Summit, San Diego, CA, October 1995.
Invited lecturer, New Mexico State University All-university lecture on animal research, Department of Animal Sciences, seminar to graduate students on how to teach ethics and agriculture, November 1995.
Invited lecturer, University of Minnesota College of Veterinary Medicine ethics symposium. Gave keynote lecture, closing lecture, session on farm animals, and session on companion animals. (Entire symposium built around my lectures.) Minneapolis, MN, November 1995.
Luncheon Speaker, Agriculture Industry Conference on Ethics and Livestock Showing, Las Vegas, NV. December 1995.
Invited lecturer, University of Wisconsin student-faculty great teacher tour, Ft. Collins, CO, January 1996.

- Invited lecturer, Fred Pearce Endowed Lecture, Alberta Horse Owners and Breeders Conference, Red Deer, Alberta, January 1996.
- Invited lecturer (3 workshops), Animal National 4-H Roundup, Denver, January 1996.
- Invited lecture to Wisconsin 4-H and FFA high school students, annual tour of state universities, January 1996.
- Keynote Speaker and Fred Pearce Memorial Lecturer, Alberta Horse Conference, Red Deer, Alberta, January 1996.
- Invited lecturer, 4-H Annual Leadership Conference, Denver, January, 1996 (3 lectures).
- Invited lecturer, University of California, Santa Barbara lecture series, January, 1996.
- Invited lecturer, Department of Animal Sciences, Oregon State University, Corvallis, Oregon, February, 1996.
- Invited lecturer, evening university lecture series, Oregon State University, Corvallis, Oregon, February, 1996.
- Invited lecturer, Department of Philosophy, Oregon State University, Corvallis, Oregon, February, 1996.
- Keynote speaker, Colorado State Extension meeting on livestock show ethics, February 1996. (Paper read in absentia).
- Invited lecturer, National Mastitis Council, Nashville, Tennessee, February, 1996.
- Keynote speaker, American Saddlebred Horse Association, Lexington, Kentucky, February, 1996.
- Invited lecturer, University of California, Davis, College of Veterinary Medicine, March, 1996.
- Invited lecturer, Colorado State University College of Agriculture Conference on Agriculture and the Environment, March 1996.
- Keynote speaker, Youth Beef Industry Conference, Denver, March 1996.
- Invited lecturer, Society for Philosophy and Psychology Annual Meeting, Memphis, Tennessee, March, 1996. (Paper read in absentia)
- Keynote speaker, Livestock Conservation Institute 80th Anniversary Annual General meeting, Colorado Springs, March, 1996.
- Invited lecturer, Picower Institute for Medical Research, New York, April, 1996.
- Invited lecturer, University of Northern Colorado, Department of English, Greeley, Colorado, April, 1996.
- Graduation speaker, Colorado State University College of Liberal Arts, May, 1996.
- Invited lecturer, Youngstown State University lecture series, May, 1996.
- Invited lecturer, Youngstown State University Department of Philosophy, May, 1996.
- Invited lecturer, USDA/APHIS Veterinary Services Conference, College Station, Texas, June, 1996.
- Invited lecturer, Symposium on Equine Welfare, American Veterinary Medical Association Annual Meeting, Louisville, KY, July, 1996.
- Invited lecturer, Scientists Center for Animal Welfare Conference on Transgenic Animals, Chicago, September, 1996.
- Invited lecturer, Front Range Community College, Fort Collins, September, 1996.
- Invited lecturer, Purdue University College of Veterinary Medicine, Lafayette, Indiana, September, 1996. (3 lectures)
- Keynote speaker, University of Missouri, Ag Days, September, 1996.
- Invited lecturer, Department of Animal Sciences, University of Missouri, September, 1996. (2 lectures)
- Invited lecturer, Swedish Agricultural University, Uppsala, Sweden, September-October, 1996. (3 lectures).

- Invited lecturer, Goodwin Lecture Series, Auburn University College of Veterinary Medicine, Auburn, Alabama, October, 1996. (3 lectures)
- Invited lecturer, evening lecture series, Ontario Veterinary College, University of Guelph, Center for Animal Welfare, Guelph, November, 1996.
- Keynote speaker, Ontario Pork Producers Annual Meeting, Shakespeare, Ontario, Nov 1996.
- Keynote speaker, British Veterinary Association meeting on animal welfare, London, England, November 1996. (Unable to attend, submitted paper for proceedings).
- Workshop and table-talk session leader, Livestock Conversation Institute Conference on Showing Ethics, Dallas, December 1996.
- Invited lecturer, Cattlemen's College, Iowa Cattlemen's Association Annual Meeting. Des Moines, Iowa, December 1996, (2 lectures).
- Invited lecturer, Colorado State University Department of Biochemistry Seminar Series, December 1996.
- Michigan State University, Department of Philosophy. January 1997.
- Michigan State University, College of Veterinary Medicine. (Lectured on vet ethics.) Jan 1997.
- Western Veterinary Conference, Las Vegas. 6 lectures. February 1997.
- Distinguished lecturer, University of Guelph College of Veterinary Medicine, February 1997.
- Invited Lecturer, Ontario Pork Producers. February 1997.
- Invited Distinguished Lecturer, Science and Ethics Series, Virginia Tech, Blacksburg, VA. March 1997.
- Invited lecturer, UPI Department of Animal Sciences, lectured to Beef and Hog Production classes, March 1997.
- Invited lecturer, Department of Animal Sciences, University of Wyoming, March 1997.
- Invited lecturer and keynote speaker, Canadian Ostrich Association, Kananaskis, Alberta, April 1997.
- Panelist, Issues in the Ostrich Industry discussion, Kananaskis, Alberta, April 1997.
- Keynote speaker, Texas Federation of Humane Societies, Annual Meeting, Austin, Texas, April 1997.
- Invited plenary speaker, Kennedy Center/University of New Mexico international meeting on animal care and use committees, Albuquerque, NM, May 1997.
- Panel Discussion Participant, above UNM meeting, May 1997.
- Keynote Speaker, International Llama Assoc., Bend, Oregon, June 1997.
- Keynote Speaker, American Horse Council, (Consortium of top executives of all U. S. equine organizations), Denver, CO, June 1997.
- Keynote Speaker, Veterinary Rendezvous (Idaho, Wyoming, Montana veterinary meeting), July 1997.
- Keynote Speaker and seminar introducer, CALAS (Canadian Association for Laboratory Animal Science) annual meeting, Montreal, Canada, July 1997.
- Keynote plenary speaker, International Conference on Meat Science and Technology, Auckland, New Zealand, July 1997.
- Keynote speaker, Society of Theriogenology annual meeting, Montreal, Canada, July 1997.
- Endowed lecturer, Louis Hyndman Chancellor's lecture, University of Alberta, Edmonton, October 1997. (Most prestigious lecture at University of Alberta; this is the second time I've been asked to do it in four years of its existence!)
- First Annual Visiting Distinguished Scholar, Tufts University School of Veterinary Medicine, November 1997.
- Invited lecturer, Purdue University, (lectured for vet med, philosophy, university lecture, November 1997. (This was my twentieth year of lecturing at Purdue!)

Invited lecturer and participant, Johns Hopkins-Tufts discussion group on biotechnology, Bologna, Italy, November 1997.

Invited lecturer, American Ostrich Association, Salt Lake City, November 1997.

Keynote Speaker, and speaker National VocAg Teachers Assoc., Las Vegas, December 1997.

Keynote Speaker, Canadian Ag Research Center - Lethbridge, Alberta, International Beef Research Symposium, January 1998.

Keynote Speaker, Ontario Large Dairy Herd Association, Toronto, January 1998.

Invited Lecturer, Colorado Division of Wildlife, Fort Collins, CO, February 1998.

Invited Lecturer, Plymouth Congregational Church, Fort Collins, CO, February 1998.

Keynote Speaker, Governor's Ag Forum, Denver, CO, February 1998.

Invited Lecturer, Colorado Cattlemen's Symposium on Biotech, Denver, February 1998.

Invited Lecturer, Ohio Veterinary Medical Association Annual Meeting, Columbus, OH, (6 lectures), February 1998.

Invited Lecturer, University of Wyoming, Dept. of Philosophy Lecture Series, Laramie, WY, February 1998.

Invited Lecturer, ARBL Symposium, Dept. of Philosophy, CSU, March 1998.

Keynote Speaker, International Llama Association, Kansas City, MO, March 1998.

Keynote Speaker, Colorado Horse Council, Denver, CO, March 1998.

Keynote Speaker, American College of Laboratory Animal Medicine Symposium on Animal Welfare, Chicago, IL, May 1998.

Invited Speaker, American Philosophical Association, Chicago, IL, May 1998.

Keynote Speaker, University of Toronto Animal Alliance of Canada Symposium on Bears, Toronto, Canada, May 1998.

Invited Speaker, Thoroughbred Farm Manager's Association, Lexington, KY, June 1998.

Invited Speaker & Participant, Pfizer Symposium on Animal Pain, Keystone, CO, June 1998.

Keynote Speaker, International Association of Fairs and Rodeos Annual Meeting, Colorado Springs, CO, June 1998.

Endowed Lecturer, David Wood B Gush Lecture, International Society for Applied Ethology Clermont-Ferrand, France, July 1998.

Dinner Speaker, International Reproduction Society, Colorado Springs, CO, July 1998.

Invited Lecturer, Utah Veterinary Medical Association, (6 hours), Price, Utah, July 1998.

Keynote Speaker, Colorado Cattle Feeders Association Annual Meeting, Snowmass, CO, July 1998.

Invited Lecturer, Purdue University School of Veterinary Medicine (2 lectures), October 1998.

Invited Lecturer, Purdue University Dept. of Animal Science, October 1998.

Invited Lecturer, Purdue University, Dept. of Philosophy, October 1998.

Distinguished Scientist and Invited Lecturer, Lethbridge Agricultural Research Center, Lethbridge, Alberta (16 hours of lecture), October 1998.

Distinguished Visiting Professor, Tufts University, School of Veterinary Medicine (5 lectures), October 1998.

Invited Lecturer, American Society for the Study of Pain Annual Meeting, San Diego, CA, November 1998.

Keynote Speaker, Eastern Llama Association, Wilkes-Barre, PA, November 1998.

Invited Lecturer, Alpaca Owners and Breeders Association annual meeting, Orlando, Florida, January 1999.

Invited Lecturer, Ontario Veterinary Technologists annual meeting, Toronto, Ontario, (2 lectures), January 1999.

Invited Lecturer, Kentucky Cattlemen's Association annual meeting, Denver, February 1999.
Invited Lecturer, Houston Livestock Show, Annual Meeting, Equine Section, Houston, February 1999.
Invited Lecturer, Invited Lecturer, University of Edinburgh (Ethology), Scotland, March 1999.
Invited Lecturer, Invited Lecturer, University of Glasgow (Vet Med), March 1999.
Invited Lecturer, Invited Lecturer, University of Birmingham (2 Lectures), March 1999.
Invited Lecturer, EPA, Invited Lecturer, Special Meeting, Denver, April 1999.
Invited Lecturer, CSU VTH Open House, April 1999.
Invited Lecturer, Distinguished Visiting Professor, Truman State University, Kirksville, MO., (4 lectures), April 1999.
Invited Lecturer, CSU Prevet Club, April 1999.
Invited Lecturer, Oregon State University, University lecture for vet med, additional lectures for animal sciences (3 lectures), April 1999.
Invited Lecturer, Alberta Agriculture, 5 hours of lecture on ethics of biotechnology, Edmonton, Alberta, May 1999.
Invited Lecturer, Keynote Speaker, Annual Meeting of Greywood Forage Association (Rancher group), Rocky Mountain House, Alberta, May 1999.
Invited Lecturer, Harvard Divinity School Conference on Religion and Animals, Cambridge, Mass., May 1999
Invited Lecturer, Telephone guest on Winnipeg, Manitoba talk show, May 1999.
Invited Lecturer, Keynote Speaker, UC Davis Annual Conference on Pet Overpopulation June 1999.
Invited Lecturer, University of Missouri Distinguished Bioethicists Series, lecture and consultation, July 1999.
Invited Lecturer, Keynote Speaker, Houston Livestock Show Legal Symposium, Houston, September 1999.
Invited Lecturer, Alberta Agriculture, 8 hours of lecture for section leaders, Edmonton, Alberta, October 1999.
Invited Lecturer, Colorado State University, Departmental Seminar Speaker, Animal Sciences, October 1999.
Invited Lecturer, Distinguished Visiting Professor, Tufts University Program on Animals and Society (4 lectures).
Invited Lecturer, Tufts University College of Veterinary Medicine, Boston, October 1999.
Invited Lecturer, Distinguished Visiting Lecturer, Purdue University, (2 lectures), October 1999.
Invited Lecturer, Atlantic Llama Association, Keynote and 3 hours of lecture, Lancaster, PA, October 1999.
Invited Lecturer, Keynote Speaker, Missouri Equine Council Annual Meeting, Lake of the Ozarks, MO, 4 hours, November 1999.
Invited Lecturer, International Live Aquatic Animal Transport Association, Seattle, November 1999.
Invited Lecturer, Tuskegee University Conference on Bioethics and Veterinary Ethics, (Speech and 2 workshops), Tuskegee, Alabama, November 1999.
Invited Lecturer, Keynote Speaker, Joint AVMA-AAEP Equine Welfare Symposium, Albuquerque, December 1999.
Keynote speaker Kentucky Cattlemen's Association, Louisville, Kentucky (3 hours of lecture), January 2000.
Keynote Speaker, Alberta Beef Producers' Animal General Meeting, Red Deer Alberta, Jan 2000.
Sole Speaker, Vermillion Agricultural College, Vermillion, Alberta, February 2000.

Sole Speaker, St. Vincent Cattlemen's Association Special Meeting, St. Vincent, Alberta, February 2000.

Keynote Speaker, Saskatchewan Cattlemen's Association, Yorkton, Saskatchewan, Feb 2000.

Keynote Speaker, Kenosee Cattlemen's Association, Kenosee, Saskatchewan, February 2000.

Distinguished Lecturer, Montana State University, Billings, 2 lectures.

Keynote Speaker, International Meeting of Plant Agricultural Biotechnology Association, Fort Collins, CO

Invited Speaker, Annual 4-H Roundup, Denver, CO (3 lectures).

Invited Lecturer, University of Illinois veterinary school and student chapter of AVMA, Champaign, Illinois (2 lectures). (March 2000)

Invited Lecturer, University of Missouri, all university lecture on biotechnology, April 2000.

Advisor to the Provost, University of Missouri, on setting up a bioethics chair, April 2000.

Keynote Speaker for three major symposia: Pain, Human-Animal Bond, Animal Welfare at the World Veterinary Conference (small animal), Amsterdam, Holland. (No one else ever asked to do 3 keynotes!) (April 2000)

Banquet Speaker, International Conference on Western Ranching, Ft. Collins, May 2000.

Invited Speaker, World Health Organization Policy Conference on Setting Guidelines for Antibiotic Use in Animal Feeds and Antibiotic Resistant Pathogens. *Every* other speaker was a representative of a government or drug company; I was invited as "an independent voice for ethics not easily intimidated." I kicked drug company butt after studying the issue for months. Paper was handed out for participants and later accepted for publication in *Agriculture and Human Values*. Geneva, June 2000.

Presented above paper at meeting of CSU/USDA antibiotics resistance group, VTH, June 2000.

Keynote speaker, Rocky Mountain Elk Breeders, Ft. Collins, CO

Banquet Speaker, CDC International Conference on Infectious Disease, Fort Collins, July 2000.

Sole Speaker, Annual Meeting of Elk Association national board, St. Cloud, Minnesota, August, 2000.

Keynote Speaker, University of North Carolina International Genomics Conference, Raleigh, NC, August 2000.

Keynote Speaker, National Barrow Show, Austin, Minnesota, September 2000.

Keynote Speaker, National Barrow Show Program for College Students, Austin, Minnesota, September 2000.

Inaugural Lecturer, University of Washington Medical School Course in Science and Ethics, Seattle, Washington, October 2000.

Invited lecturer (every year since 1979) Purdue University, West Lafayette, Indiana, lectured to vet med (3 lectures) and general course, October 2000.

Keynote Speaker, International Conference on Live Aquatic Animal Trade, Annapolis, Maryland. (Also gave an additional talk), November 2000.

Tufts University Graduation Speaker for Animals in Public Policy MA program, North Grafton, Mass., November 2000.

Invited Lecturer, Tufts University School of Veterinary Medicine, North Grafton, Mass. November 2000.

Invited lecturer, Rocky mountain College, Billings, Montana, Rancher Symposium (6 hours), January 2001

Invited Lecturer, Dairy Days, Greeley, Colorado, January 2001. (Ran. Symposium)

Keynote Speaker, Block and Bridle Annual meeting, St. Louis, January 2001.

- Keynote Speaker, Kentucky Cattlemen's Association, Annual Meeting, Winchester, Ky., January 2001.
- Invited keynote Lecturer, Annual General Meeting of Elk Producers, Toronto, Canada, February 2001.
- Invited Lecturer, Midwest Veterinary Conference, Columbus, Ohio, 6 lectures, February 2001
- Invited Lecturer, Student AVMA annual Meeting, Ames, Iowa, March 2001.
- Keynote Speaker, Tuskegee University College of Veterinary Medicine, Tuskegee, Alabama, Annual Meeting, March 2001.
- Invited lecturer, National Anti-Vivisection Society, Chicago, Illinois, March 2001.
- Invited lecturer, Tufts University lecture series on science and religion, March 2001.
- Invited Participant, University of Scranton Symposium on Genetic Engineering, discussant and read paper, April 2001.
- Invited Participant, Tables of Content, CSU Library Fundraiser, May 2001
- Keynote Speaker, AVMA Session on the Human/Animal Bond, Boston, Mass., July 2001.
- Invited Lecturer, Cody Wyoming Extension meeting, February 2001.
- Invited Lecturer (4 hours), Board of Directors American Association of American Practitioners, Annual Meeting, Orlando, Florida, August 2001.
- Invited Speaker (4 hours), Icelandic Veterinary medical Association Annual Meeting, Iceland, August 2001.
- Invited Lecturer, Student Chapter of the AVMA, Iowa State University, Ames, Iowa, September 2001.
- Invited lecturer, Colorado Nutrition Round Table Annual Meeting, Fort Collins, CO., September 2001
- Invited Lecturer, Annual Conference of Food Safety, Food Quality, and Food Ethics, Florence, Italy, October 2001
- Keynote Speaker, Texas Animal Control Association, South Padre Island, November 2001.
- Lecturer, CSU Philosophy Department Colloquium, November 2001.
- Invited lecturer, Purdue University College of Veterinary Medicine, West Lafayette, Indiana, November 2001.
- Invited Lecturer, CSU Bioterrorism Forum, January 2002.
- Invited Lecturer, PEW Forum on Biotechnology (Washington D.C.), January 2002.
- Keynote Speaker, Wyoming Association of Fairs and Rodeos, Douglas, Wyoming, Feb 2002.
- Keynote Speaker, Central Veterinary Conference, Columbus Ohio, (gave 3 additional lectures), Feb 2002.
- Invited Lecturer, Baylor-NIH Conference on Mouse Mutagenesis, Houston, Texas, Feb 2002.
- Keynote Speaker, Animal Welfare Foundation of New Jersey, (2 lectures), Somerville, N.J., March 2002.
- Keynote Speaker, Washington Association for Biomedical Research / University of Washington Medical School Symposium (2 Lectures), Seattle, Washington, March 2002.
- Invited Lecturer, University of Minnesota Philosophy Department, (Inaugural Famous Philosophers Series, where graduate students choose speakers) (2 Lectures), Minneapolis, April 2002.
- Invited Lecturer, University of Scranton Philosophy Department, (2 Lectures), Scranton, PA., April 2002.
- Keynote Speaker, European Society of Small Animal Theriogenology, (2 Lectures), Lieges, Belgium, May 2002.
- Keynote Speaker, Society of Toxicological Pathology Annual Meeting, Denver, CO, June 2002.

- Invited Lecturer, American Veterinary Medical Association Annual Meeting, Nashville, Tennessee, July 2002.
- Invited Lecturer, Ohio State University College of Veterinary Medicine Student Appreciation Dinner, Columbus, Ohio, July 2002.
- Invited Lecturer, American Meat Science Association Reciprocal Meat Conference, East Lansing, Michigan, July 2002.
- Invited lecturer, University of New Mexico Ethics/ACUC Symposium, Albuquerque, April 2002.
- Australia Lecture Trip: 14 hours of Lecture, Melbourne, lectured for ANZLAS, (Australia New Zealand Lab Animal Science Annual Conference) Veterinary Technicians, University of Monash Philosophy Department, University of Melbourne Veterinary School, October 2002.
- Invited lecturer, Kentucky Cattleman's Association Annual Leadership meeting, Denver, CO, October 2002.
- Keynote Speaker, New Mexico State University ACUC Symposium, October 2002.
- Invited Lecturer, New Mexico State University Department of Animal Science, October 2002.
- Distinguished Professor Lecture on Biotechnology, CSU, October 2002.
- Invited lecturer, CSU Department of Psychology Cognitive Science Group, November 2002.
- Keynote Speaker, Colorado Association of Fairs and rodeos, Pueblo, November 2002.
- Guest Pastor, Fall River Congregational Church, Fall River, Massachusetts, November 2002.
- Invited Lecturer, (3 Lectures), Tufts University School of Veterinary Medicine and Tufts Program on Animals and Public Policy, N. Grafton, Massachusetts, November 2002.
- Invited Lecturer, College of Agriculture, College of Veterinary Medicine and Philosophy Department, Purdue University, November 2002.
- Invited lecturer, (2 Lectures), Cornell University, College of Veterinary Medicine, December 2002.
- Invited Lecturer, CSU Agriculture and Rural Leadership Program, December 2002.
- Keynote Speaker, Annual Meeting, California Association of Fairs and Rodeos, University of San Diego, CA, January, 2003.
- Keynote Speaker, STRIDE SUMMIT, Animal Meeting (Association of Dairy Leaders-Systems Targeting Resource for Dairy Excellence), Ann Arbor, MI, January 2003.
- Invited Lecturer and Consultant, Guide Dogs for the Blind, San Rafael, CA, January 2003.
- Invited Speaker, Laurel Elementary, Fort Collins, CO, February 2003.
- Western Veterinary Conference, Invited Panelist, Las Vegas, Nevada, February 2003.
- Invited Lecturer, Midwest Veterinary Conference, Columbus, OH, February 2003.
- Invited Lecturer, Ohio State University of Veterinary Medicine, Columbus, OH (2 lectures).
- Invited Lecturer, Montana 4-H Extension, Billings, MT.
- Invited Lecturer, Tuskegee Veterinary Alumni Association Annual Meeting, Alabama, March 2003.
- Keynote Speaker, Texas Beef Council, Austin, TX, April 2003.
- Invited Lecturer, University of Wyoming Animal Science, April 2003.
- Invited Lecturer, High School Students visit Colorado State, April 2003.
- Invited Lecturer, Miller.com Distinguished Lecturer, U of Illinois, Champaign-Urbana, April 2003.
- Gave 14 hours of lecture to Vet Med, Animal Science, History of Science, Companion Animal Program.
- Keynote Speaker, Conference on Companion Animals, University of Illinois, April 2003
- Graduation Speaker, Prairie School, Fort Morgan, CO, May 2003.
- Invited Lecturer, Tufts University School of Veterinary Med [Invited by students who raised money for my visit].
- Keynote Speaker, International Animal General Meeting of the Animal Science/Dairy Science Association Phoenix, AZ, June 2003.
- Iowa State Veterinary Medical Association, Des Moines, IA, June 2003
- Keynote Speaker, Philosophy and Technology Society Annual Meeting, Park City, UT, July 2003.

Invited judge, Wyoming State Fair, Douglas, WY, August 2003.
Invited Lecturer, CO VMA Seminar on Informed Consent, Snowmass, CO, Sept 2003.
Knowles Lecturer and Keynote Speaker, Veterinary Critical Care Society, New Orleans, LA, (2 lectures; audience of 1700 for keynote), September 2003.
Edwards Lecturer, University of Saskatoon, Public Lecture, Philosophy Department and Saskatoon Club (3 lectures), September 2003.
Keynote Speaker, University of Guelph Animal Welfare Symposium, Guelph, Ontario, October 2003
Keynote Speaker and Discussion Moderator, California Veterinary Medical Association House of Delegates meeting , Reno, NV, October 2003.
Invited Lecturer, Tufts University School of Veterinary Medicine (2 lectures), October 2003.
Invited Keynote Speaker, Conference on Reasonable Partiality, Dutch Society of Applied Ethics, Amsterdam, Holland, October 2003.
Hyndman Lecturer, Annual Animal Welfare Lecture Series begun in 1995; I have done it three times),
University of Alberta, Edmonton, Alberta, November 2003.
Invited Lecturer, University of Wyoming Department of Philosophy Colloquium, Laramie, WY, November 2003.
Invited Lecturer, Purdue University, (3 lectures for agriculture and vet med), November 2003.
Invited Speaker, Great Conversations, College of AHSS, November 2003.
Consultant and ACUC Chairman, Guide Dogs for the Blind, San Rafael, CA, November 2003.
Eulogist, Betty Lawrence Funeral, Providence, RI, December 2003.
Invited Lecturer, Farm Animal Welfare Council, Saskatoon, Saskatchewan, December 2003.
Lecturer, Department of Animal Science, Colorado State, October 2003.
Lecturer, Psychology Department, Cognitive Science Seminar, "Pain," Spring 2003.
Lecturer, Psychology Department, Cognitive Science Seminar, "Anecdote and Anthropomorphism" [first person ever invited two semesters in a row], Fall 2003 .
Keynote speaker and lecturer, Oklahoma Veterinary Medical Association, Tulsa. Six lectures all published in proceedings, January 2004.
Invited lecturer, North American Veterinary Conference, Orlando, January 2004. Two lectures.
Invited lecturer, Minnesota VMA, Minneapolis, February 2004, Two lectures. Lectures published in proceedings.
Keynote speaker, HSUS International Symposium on Animal Distress, Baltimore, February 2004
Invited Panelist, Western Veterinary Conference, Las Vegas, February 2004
Invited Lecturer, Midwest Veterinary Association, Columbus, Ohio, lectures and panels, February 2004
Invited lecturer, Ohio State University School of Veterinary Medicine, two lectures, February 2004
ACUC chair for meeting, Guide Dogs for the Blind, San Rafael, CA. April 2004
Visiting Professor, Tuskegee University and College of Veterinary Medicine, one week, multiple lectures and consultations, Tuskegee, Alabama, March 2004
Invited Lecturer, Iowa State University, Veterinary Medicine and Philosophy, March 2004
Invited lecturer (Sermon) Fall River Congregational Church Blessing of the Animals, Fall River, Massachusetts, March 2004
Invited lecturer, Auburn University, Alabama, March 2004
Invited lecturer, Western College of Veterinary Medicine, Petaluma, April 2004
ACUC Chair, Guide Dogs for the Blind, San Rafael, CA, April 2004
Invited lecturer, Tufts University School of Veterinary Medicine, Distinguished lecture Serves on

Animal Research, North Grafton, Massachusetts, May 2004
Talk show guest, Marty Becker Syndicated Talk Show, May 2004
Invited lecturer, Lowell Elementary School, Fort Collins, May 2004
Invited Advisor, PETCO, San Diego, May 2004
Invited lecturer, Morris Animal Foundation, Keystone, Colorado, July 2004
Theologian in Residence, Presbyterian Synod of Lakes and Prairies, Storm Lake, Iowa, Four lectures,
8 hours of discussion, July 2004
Invited Advisor, PETCO, San Diego, August 2004
ACUC Chair, Guide Dogs for the Blind, San Rafael, CA, August 2004
Invited Keynote Speaker European Conference on Food Ethics, (Europe), Lieges, Belgium
Invited lecturer, Purdue University, 4 lectures, Veterinary Medicine and Animal Science, September
2004
Invited lecturer, CSU Department of Biochemistry Seminar, September 2004
Invited Distinguished Lecturer, Central Missouri State University, Warrensburg, MO, Two lectures,
October 2004
Invited lecturer, CSU Department of Psychology Cognitive Psychology Lecture Series (third year in a
row), October 2004
Lecturer CSU LAR Training for New Investigators, October 2004
Keynote Speaker, Fort Dodge Animal Symposium on Pig and Poultry Production, 10 hours of lecture,
Singapore, October 2004
Invited lecturer, Denver Area Veterinary Medical Society, October 2004
Invited lecturer, Rocky Mt. Association of Fairs and Rodeos, Colorado Springs, November 2004
Invited lecturer, Cornell University, two lectures, November 2004
Invited Discussion leader, AAEP annual general meeting, Denver, CO, December 2004
North American Veterinary Conference, Orlando Florida January 2005:
Gave 4-hour Master Class (Pre-enrollment required) on Alternative Veterinary Medicine and Ethics
Lecture on "Ethics and Stewardship" for Society for Veterinary Medical Ethics
Planned, organized, introduced, spoke and participate in Panel on "Cancer and Quality of Life" in
animals. Sponsored by *Veterinary Forum*
Pew Foundation Project on Biotechnology, Lecturer and discussant (Baltimore, January 2005)
Lecture on Ethics and biotechnology
Master Class on Alternative Veterinary Medicine and Ethics
Lecture on "Ethics and Stewardship" for Society for Veterinary Medical Ethics
Planned, organized, introduced, spoke and participated in Panel on "Cancer and Quality of Life" in
animals. Sponsored by Veterinary Forum
Pew Foundation Project on Biotechnology, Lecturer and discussant (Baltimore, January 2005)
Lecture on Ethics and biotechnology
Keynote Speaker, American Meat Institute, St. Louis "Emerging Social Ethics for Animals" (February
2005)
Invited lecturer on animal ethics, Chipotle executives at corporate headquarters, Denver, February
2005
Vanderbilt University, Nashville, Tennessee, March 2005:
Chancellor's Lecture Series, Invited by Chancellor, "Animal Rights as a Mainstream Phenomenon"
(Major Campus Event)
Class lecture on Biotechnology, Philosophy Dept. Vanderbilt
Invited Lecturer, Tufts Center for Animals and Public Policy, North Grafton, Mass, April 2005

Invited Lecturer Tufts Veterinary School, , April 2005
Guest Sermon, Fall River Congregational Church, Fall River, Mass., Day of the Animals, April 2005,
“The Blessing of Animals”
Chipotle Annual meeting, Vail, Colorado, May 2005, “New Social Ethics for Animals”
World Small Animal Veterinary Congress, Mexico City, May 2005, “Straining the Bond”
Connecticut Veterinary Medical Association Full Day Seminar on Alternative Veterinary Medicine,
New Haven, CT, June 2005, with Dr. David Ramey
Invited lecturer and Inspection tour of farms, Chipotle, Des Moines, Iowa, June 2005, lectured on
“New Social Ethic for Animals”
Invited lecturer, full day seminar on animal welfare and the poultry industry, New Zealand Poultry
Association, Palmerston North, New Zealand, July 2005
Invited lecturer, Animal Science Association, Annual Meeting, Food safety Seminar, Cincinnati, Ohio,
“Food Safety: Who is Responsible” July 2005
Keynote Speaker, PETCO animal managers meeting, San Diego (1500 people) “New Social Ethics for
Animals” July- August 2005
Invited Keynote Speaker, American Soybean Association Annual Southeast Asia Meeting, Kota
Kinabulu, Sabah, Borneo, Malaysia, August 2005
Invited lecturer, Brazilian Veterinary Association, Foz de Iguacu, Brazil, August 2005:
“Animal Care and Use Committees”
“Challenges to Laboratory Animal Welfare”
“Emerging Ethics for Animals”
Invited lecturer (Sole speaker), Chipotle Property Development Group, Beaver Creek, Colorado,
September 2005
Colorado Veterinary Medical Association Annual Meeting, Keystone, Colorado, September 2005:
“Ethics of Referral”
“Straining the Bond”
Invited lecturer, Johns Hopkins School of Public Health, Center for Alternatives to Animals Lecture
Series, Baltimore, MD “Genetically Engineered Animal Models for Human Genetic Disease”
October 2005
Invited lecturer, University of Wyoming, Celebration of Jim Forrester’s retirement, Laramie,
Wyoming, “The Future of Philosophy” October 2005
Purdue University (October 2005):
“Introduction to Veterinary Ethics” (Vet Med)
“Emerging Social Ethics for Animals” (Vet Med)
“Food Safety: Who is Responsible” (Animal Science)
“Companion Animal Issues” (Animal Science)
Grass-fed Beef Association Meeting, Kearney, Nebraska, September 2005, Kearney, Nebraska “Grass
fed beef and emerging ethics for animals”
Tufts University, Center for Animals and Public policy and Veterinary School, North Groton, Mass,
November 2005:
Graduation Speech
Charge to the class
“Ethics and Cruelty”
“Emerging Laboratory Animal Issues”
Invited lecturer, Cornell University, December 2005:
“Introduction to Veterinary Ethics”

“Presentation of Cases”

CSU Philosophy Department Colloquium “Genetic Engineering and the Sacred” December 2005
American Veterinary Medical Association Annual Meeting, July 2005, Minneapolis:

“Emerging Social Ethics for Animals and Farm Animal Welfare”

“Oncology and Ethics”

“Animal Welfare and Cultural Relativity”

Panel organizer and Convener, Animal Quality of Life in Chronic Illness, North American Veterinary Conference, Orlando, Florida, January 2006

Invited keynote speaker and lecturer, Indiana Veterinary Medical Association, Annual Meeting, Indianapolis, January 2006 (3 lectures)

Basil Capes Endowed lecturer, University of Guelph (Ontario), February 2006, (2 lectures)

Keynote speaker and lecturer, Ontario Veterinary Technicians Annual Meeting (2000 people), Toronto, February 2006 (2 lectures)

Invited lecturer, Distinguished Philosopher Lecture, Series, Rice University, Houston, Texas. February 2006

Invited keynote speaker, U of Wisconsin Veterinary School Symposium on Farm Animal Welfare, Madison, Wis. March 2006 (1 lecture and 1 panel)

Keynote speaker, Public Responsibility in Medicine and Research Annual Meeting, Boston, March 2006 (1 lecture, 2 panels)

Invited Lecturer, University of Tennessee School of Law and College of Veterinary Medicine April 2006 (2 lectures)

Invited speaker and panelist, Missouri State University Annual Issues Forum and Department of Animal Science, Springfield Mo., April 2006

Invited keynote speaker, Animal Rescue League Annual General Meeting, New Haven, Connecticut April 2006

Invited lecturer, Tufts University Master Program in Animals and Public Policy North Grafton, Massachusetts, April 2006 (2 lectures)

Invited lecturer, Israel Veterinary Association, Tel Aviv, May 2006 (9 lectures)

Invited lecturer, University of Capetown Department of Philosophy and Medical School. Capetown, South Africa, May 2006 (5 lectures)

Invited lecturer, Chipotle, Vail, Co. May 2006 (1 lecture)

Invited lecturer, Chipotle, Minneapolis, July 2006 (1 lecture)

Invited lecturer, American Veterinary Medical Assoc, Honolulu, July 2006, 4 lectures

Invited lecturer, British Veterinary Association/Universities Federation for Animal Welfare Symposium on Animal Quality of Life, London, Royal Society, Sept 2006 (1 lecture)

Lecture/Book signing, Tattered Cover, Denver, Co., Sept 2006

Plenary speaker, AAALAS annual general meeting, Salt Lake City, October 2006

Barb Stein Keynote Lecturer, American Association of Feline Practitioners annual meeting, Toronto, Canada, October 2006

Invited lecturer, American Bovine Health Association, Minneapolis, Minnesota, November 2006. (1 lecture)

Invited lecturer, New Mexico State University Researcher Training Seminar, and Dept of Animal Sciences, Las Cruces, NM, November 2006. (2 lectures)

Invited Lecturer Cornell University, College of Veterinary Medicine and Public lecture, Ithaca, NY, November 2006 (3 lectures)

Invited lecturer, American College of Veterinary Pathologists annual meeting, Symposium on Stem

Cells, Tucson, AZ, December 2006 (1 lecture)
Invited lecturer, Purdue University, September 2006 (4 lectures)
Keynote speaker, CSU Research Ethics Symposium, Dec 2006 (1 lecture)
Invited Sermon, Plymouth Congregational Church, Nov 2006
Keynote Speaker University of PEI, "Introduction to Veterinary Ethics", January 2007 (Read in absentia because of storm)
Shipka Lecturer, Youngstown State University, February 2007
Invited Lecturer, American Animal Hospital Association, (4 hours), Denver, March 2007
Invited Lecturer, Chicago Public Library (out on net), "Science and Ethics", March 2007
Invited Lecturer, Harvard Law School Conference on Animal Law, "Farm Animals and Law", Cambridge, Massachusetts, March 2007
Invited discussant, Dinner with Jane Goodall, Denver, April 2007
Invited Keynote Speaker Colorado Cattlewomen's Animal Meeting, Colorado Springs, April 2007
Invited Lecturer, "Animal Distress", NIH, Bethesda, MD, May 2007
Invited Lecturer, Ohio State University College of Veterinary Medicine, May 2007 (2 Lectures)
Invited Lecturer, National Park Producers, International Park Expo, Des Moines, Iowa, May 2007
Invited Discussant/Panelist, National Pork Producers Future Conference, Chicago, June 2007
Invited Lecturer, CDC-Atlanta, "Ethics of Animal Research" Atlanta, July 2007
Keynote Speaker, WSPA Conference on Animal Research, Rio de Janeiro, August 2007 (Read by Ian Duncan)
Invited Speaker, Association of State Veterinary Association Executive Director, Washington, DC., July 2007
Invited Lecturer Front Range Community College, Fort Collins, September 2007
Keynote Speaker, Capital AALAS Animal Meeting, Maryland, September 2007
Invited Lecturer, 50th Anniversary of the Honors Program, Colorado State University, October 2007
Keynote Speaker, Colorado Association of Fairs and Rodeo Animal Meeting, Grand Junction, September 2007
Invited Lecturer, Lewis and Clark Law School Conference on Animal Law, Portland, Oregon, September 2007
Keynote Speaker, Washington State Dairy Association, Olympia, Washington, October 2007
Invited Lecturer, Purdue University College of Veterinary, Medical, and Agriculture, (4 lectures), October 2007
Invited Lecturer, Cornell University College of Veterinary Medicine, (8 hours) Ithaca, November 2007
Invited Lecturer, Duke University School of Law, Conference on Animals and Biotechnology, Durham, North Carolina, November 2007
Invited Lecturer, American Bar Association Conference on Dangerous Dogs, New York University, New York, December 2007
Invited Lecturer, New Jersey Veterinary Association, Newark, New Jersey, December 2007
Invited Lecturer, Hills Pet Foods (called in to help deal with moral stress after pet food poisonings) Topeka, Kansas, April 2007
Invited Lecturer CDC-Fort Collins, "Ethics of Animal Research", August 2007
Invited Lecturer, Colorado State University, Animal Inauguration "Science and Ideology", Phi Beta Kappa
Invited Lecturer, Pre Vet Club
Invited Lecturer, Pre Vet Day

Rotary Club, Fort Collins, 1/08
Nebraska Veterinary Medical Association, 1/08 Omaha, five hours of lecture on ethics and animal welfare
Minnesota Veterinary Medical Association, four hours of lecture, Minneapolis, 2/08
Ohio Veterinary Medical Association, Columbus, Ohio, six hours of lecture, 2/08
Washington State University, Potter Lecturer, March 2008. (Very prestigious lectureship) Other lectures include Chomsky, Blackburn, Dennett, the Churchlands, Van Frassen, Bernard Williams, Searle, Vlastes, Dreyfus, Feinberg, Hick, Urmson, Bennett, Wisdom, Weitz, Pears, McKeon, Flew; lectured on "Emerging Social Ethics for Animals". Also 2 additional lectures
Invited lecturer Auburn University. Students AVMA annual national meeting. Four hours of lecture. (Paper read by Dr. F. Bartol due to my mother's death). March 2008
Invited lecturer, University of PADUA, 4 hours of lecture to vet med and philosophy May 2008, also public lecture
Saskatchewan Veterinary Medical Association, four hours of lecture on Veterinary Ethics and Agriculture, Saskatoon, Saskochehan, June 2008.
Colorado Livestock Association Annual meeting, Denver, two hours of lecture on agriculture and ethics, and on dairy and swine production.
Morris Animal Foundation, one hour lecture on Animal Research, July 2008, Denver
PETCO Annual Meeting, Keynote morning lecture on Ethics and Companion Animals, Washington D.C., August 2008
Pennsylvania VMA, Hershey, Pennsylvania, lecture on ethics and agriculture, August 2008.
Keynote speaker, Institute of Laboratory Animal Research International Conference on Animal Research in a Global Environment. National Academy of Sciences, Washington D.C., September 2008.
Invited lecturer, Purdue University. Eight hours of lecture on agriculture, veterinary ethics, oncology and quality of life, animals research (latter was a university-wide public lecture). November 08, Lafayette, Indiana
Front Range Community College, Fort Collins, October 08, lectured on animal ethics. (2 hours)
Invited lecturer, Cornell University, six hours of lecture on Veterinary Ethics, Ithaca NY, November 2008.
Keynote speaker, Chabad Sabbath Dinner, CSU, November 2008.
Invited Lecturer, Rocky Mountain Farmers Union Annual Meeting, Cheyenne, Wyoming, November 2008.
Invited lecturer, Google Tech Talks, Mountain View, California, lectured on animal ethics (2 hours), November 2008.
Sole speaker, CSU Symposium for researchers, one hour lecture on the ethics of animal research, December 2008.
Sole speaker, Meeting of Rodeo Managers from Cheyenne, Greeley, Denver and Colorado Springs, 3 hours, June 2008.
Pew lecturer, U.S. House of Representatives, March 2008.
Invited speaker, Beet Street, Fort Collins, "Science and Ethics", January 2009
Invited lecturer, North American Veterinary Conference; Orlando, Florida; 3 lectures, January 2009
Keynote Speaker, Oregon Cattlemen's Association. La Grange. Oregon, January 2009
Keynote speaker, International Conference on the 3 R's, Utrecht, Holland, February 2009
Invited lecturer, Dutch Veterinary Association, Utrecht, Holland, February 2009
Invited lecturer, Front Range Community College, Fort Collins, February 2009
Invited lecturer, Governor's AG Forum, Denver, February 2009
Invited lecturer, Colorado Association of Fairs and Rodeos, Colorado Springs, February 2009

Invited lecturer, Holstein Dairy Leadership Conference, Albuquerque, N.M., February 2009
Invited Speaker, National Wildlife Research Center, Fort Collins, Colorado (Sole speaker), February 2009
Invited Speaker, Fort Lewis College, Durango, Colorado (Sole speaker) 2 lectures, February 2009
Invited lecturer, Tufts Veterinary School (two lectures) North Grafton, Mass, March 2009
Invited speaker, Fort Collins Sertoma, March 2009
Invited speaker, Good Samaritan Nursing Home, March 2009
Invited Speaker, Utah Valley State University, Logan, Utah (2 lectures), March 2009
Invited keynote speaker, Canadian Association for Laboratory Animal Science Annual meeting, Montreal, April 2009
Invited lecturer, University of Saskatchewan, Saskatoon, April, 2009
Keynote Speaker, Auburn University Research Symposium, Auburn, Alabama (3 lectures), April 2009
Invited Speaker, Good Samaritan Nursing Home, Fort Collins, Co., April 2009
Invited speaker, CSU Exercise and Sports Science Colloquium, April 2009
Invited lecturer, University of Florida Veterinary School, Gainesville, April 2009
Invited Lecturer, Front Range Community College Vet Tech Program, Fort Collins, April 2009
Keynote speaker (on euthanasia), ACLAM Symposium, Tucson Arizona, May 2009
Invited Speaker, Western Veterinary College, Pomona, CA, May, 2009
Invited speaker, Charles River Laboratory Animal Symposium, Danvers, Mass, lectured on euthanasia, June 2009
Keynote speaker, Colorado State University RICRO symposium on Science and Ethics, June 2009
Keynote speaker, Colorado Livestock Association Annual Meeting, Denver, June 2009
Invited speaker, Colorado State University Pre-Vet Club, June 2009
Invited speaker (two lectures), Wisconsin Primate Center and University of Wisconsin, June 2009
Invited Speaker, Gunnison Cattlemen's Association, Gunnison, Colorado, June 2009
Keynote Speaker, California Cattlemen's Association, Sacramento, CA, June, 2009
Keynote Speaker, Brazilian Conference on Pain and Animal Welfare, LABEA Meeting, Federal University of Parana, Curitiba, Brazil, June 2009
Keynote speaker and invited lecturer (four lectures), Minding Animals International Conference, Newcastle, Australia, July 2009
Invited Speaker, Annual General Meeting , Animal Science Association/ Dairy Science Association, Denver, Co., July, 2009
Keynote lecturer, Bovine Respiratory Disease Symposium, Colorado Springs, August 2009
Keynote lecturer, Academy of Veterinary Consultants, Colorado Springs, August 2009
Invited Inaugural lecturer, TILT (Colorado State University) September 2009
Keynote speaker, California Cattle Feeders Annual Meeting, Coronado, CA September 2009
Invited Speaker, Purdue University, West Lafayette, Indiana, (3 lectures), September 2009
Keynote speaker, Vet Fest, University of Saskatchewan, Saskatoon, October 2009
Invited lecturer, Front Range Community College, 3 hours, October 2009
Invited lecturer, California Polytechnic Dairy Symposium, San Luis Obispo, CA, October 2009
Keynote speaker, Colorado Springs Veterinary Medical Association, Colorado Springs, October 2009
Keynote speaker, Colorado State University Cattlewomen Symposium, October 2009
Invited lecturer, Purdue University, Animal Sciences and Veterinary Medicine, (three lectures) West Lafayette, Indiana, November 2009
Plenary speaker (500 people), AALAS annual meeting, Denver, November 2009
Invited lecturer, South Dakota State University, Brookings, SD (seven hours) November 2009

Invited Lecturer, Front Range Community College Vet Tech Program, Fort Collins, November 2009
Keynote speaker (900 people) Animal Range Beef Cow Symposium, Casper, Wyoming, December 2009
Keynote speaker, Oregon Cattlemen's Association, LaGrange, Oregon, January 2010
Invited speaker, National Wildlife Research Center, (sole speaker), Fort Collins, CO, February 2010
Invited speaker, Fort Lewis College, (sole speaker), Durango, CO, February 2010
Invited speaker, Utah Valley State University, (2 lectures), Logan, Utah, March 2010
Keynote speaker, Auburn University Research Symposium (3 lectures), Auburn, Alabama, April 2010
Invited speaker, Good Samaritan Nursing Home, Fort Collins, CO, April 2010
Invited lecturer, Front Range Community College Vet Tech Program, Fort Collins, Colorado, April 2010
Invited speaker, Western Veterinary College, Pomona, CA, May 2010
Invited speaker, Gunnison Cattlemen's Association, Gunnison, Colorado, June 2010
Keynote speaker, California Cattlemen's Association, Sacramento, California, June 2010
Keynote speaker, Brazilian Conference on Pain and Animal Welfare, LABEA Meeting, Federal University of Parana, Curitiba, Brazil, June 2010
Invited speaker, Annual General Meeting, Animal Science Association/Dairy Science Association, Denver, Colorado, July 2010
Invited speaker, Purdue University, (3 lectures), West Lafayette, Indiana, September 2010
Keynote speaker, New Zealand Poultry Association, Wellington, New Zealand, October 2010
Keynote speaker, New Zealand Poultry Veterinary Association, Wellington, New Zealand, October 2010
Invited speaker, CSU Psychology Department, October 2010
Invited lecturer, Front Range Community College Vet Tech Program, Fort Collins, Colorado, November 2010
Keynote speaker, Idaho Cattlemen's Association, Sun Valley, Idaho, November 2010
Location Made video on animal husbandry for American Angus Association series, "I am Angus."
Premiered on TV RFD as well as Youtube. Still running.
February 2011
Keynote speaker, South Dakota Cattlemen's Association Annual Meeting, Rapid City, SD February 2011.
Keynote speaker, "Big and Small" Colorado Agricultural Extension meeting, Brighton, CO February 2011.
Keynote speaker, Dumb Friends League Annual Board Meeting, Denver, CO February 2011.
Keynote speaker, Colorado Livestock Association, Hugo, CO March 2011.
Invited lecturer, Texas VMA, Texas A&M, College Station, TX March 2011.
Invited lecturer, Florida Gulf Coast University, 3 lectures
March 2011.
Invited lecturer, Evergreen State University, 3 lectures, Olympia, Washington April 2011.
Invited lecturer, Front Range Community College, 3 lectures, Fort Collins, CO May 2011.
Invited lecturer, 10 lectures, Universities of Verona, Padua, Milan, Genoa, and various bookstores, Northern Italy June 2011.
Invited lecturer, Johns Hopkins School of Public Health, Baltimore, MD August 2011.
Invited lecturer, Pennsylvania Veterinary Medical Association, 3 lectures, Harrisburg, PA August 2011.
Keynote speaker, Kansas State Extension Beef Conference, Manhattan, KS September 2011.
Invited lecturer, British Veterinary Association University of London First International Congress on Veterinary and Animal Ethics (ONLY AMERICAN INVITED), 2 lectures September 2011.
Invited lecturer, Purdue University, 4 lectures, West Lafayette, IN September 2011
Invited lecturer, Purdue Bioethics Series, (sole speaker)
October 2011
Keynote speaker, Lewis and Clark Law School Annual Animal Law Conference, Portland, OR October 2011.
Front Range Community College, Fort Collins, CO

November 2011. Invited Distinguished Lecturer, Royal Dick Veterinary College, University of Edinburgh, Scotland,
November 2011. Invited lecturer, Auburn University, Auburn, AL Made video on Temple Grandin for CSU
Appeared on Steve Fairchild TV show
Invited lecturer, North American Veterinary Conference (largest US veterinary meeting), Orlando, January 2012.
Invited lecturer, North Dakota State University, all University lecture, and animal science lectures, February 2012.
Keynote Speaker, PRM&R (Public Responsibility Medicine and Research) annual meeting, Boston, March 2012.
Plenary Keynote Speaker, Pet industry annual conference, Torrey Pines, San Diego, April 2012.
Invited lecturer and keynote speaker, Edmonton Small Animal Veterinary Association annual meeting, Edmonton, Alberta, April 2012.
Invited plenary speaker, University of Galveston Medical School, Galveston Texas, May 2012.
Invited speaker, and co-organizer, ethics training course for 20 veterinarians, CSU, July 2012. Three lectures.
Invited lecturer, American Veterinary Medical Association (A VMA) annual meeting, San Diego, August 2012.
Invited keynote lecturer, Colorado Ag Leadership annual meeting, Loveland Colorado, September 2012.
Invited Participant, reunion and planning meeting of Pew Commission on Industrial Farm Animal Production, Johns Hopkins University School of Public Health, Baltimore, October 2012.
Invited lecturer, USDA/Aphis, Fort Collins, Colorado, February 2012.
Invited lecturer, Front Range Community College, Fort Collins, Colorado, April 2012.
Invited lecturer, all University bioethics series, veterinary medicine, animal sciences, Purdue University, October 2012.
Charles River endowed lecture, AAALAS annual general meeting, Minneapolis Minnesota, November 2012.
Invited keynote speaker and lecturer, Michigan Veterinary Medical Association annual meeting, East Lansing Michigan, November 2012.
Presidential Scholars Lecturer, CSU, March 2012.
Invited participant, Pfizer conference on immunological castration of pigs, Miami, Florida, December 2012.
Rocky Mountain Farmer's Union, award recipient and speaker, annual general meeting, Loveland, Colorado, November 2012.
Keynote speaker and conference speaker for conference built around my visit, Kirkpatrick Foundation, Oklahoma City, July 2012.

Teaching Experience

Taught at City College of New York 1966-69 (part-time), Hunter College 1967 (part-time),
Columbia University 1968-69.
Appointed Assistant Professor at Colorado State University, 1969.
Promoted to Associate Professor, 1973.
Promoted to Full Professor, 1978.

Named Professor of Physiology and Biophysics, 1980.
Named Professor of Animal Sciences, 2000
Named University Distinguished Professor, 2001

I am considered to be an excellent teacher and can furnish student evaluations as well as letters from faculty members in various departments who have taken my classes (in 30 years of teaching, I have rarely received anything other than highly positive evaluations). I have been invited to lecture on teaching to various organizations and to a variety of classes and seminars. I serve as a model teacher for a course on improving teaching for faculty. I have also directed many M.A. theses in philosophy, animal sciences, political science and other fields, and served on master's and doctoral committees in the humanities, social sciences, natural sciences, and mathematics. Awarded Harris T. Guard Award for excellence in teaching, 1982. Named Honors Professor, 1983.

Grants

C.S.U. Faculty Improvement Committee Grant, 1972.
N.S.F. Grant (\$25,000) with Dr. M. Nabors, 1979-80, to develop integrated in philosophy and biology.
Group Study Grant in India, December 1979-January 1980, to study Indian views of the moral status of animals. (Declined)
C.S.U. Philosophy Department Endowment grant to conduct research into animal perception, 1988.
Co-recipient, 1981, of NEH Grant for interdisciplinary courses.
Taught course with Drs. Lakin and Kern on the Renaissance, Spring, 1982.
Host to Dr. Leo Bustad for NSF Grant on ethics.
Host to Churchill Fellow Col. John Watson (1983).
Host to Churchill Fellow Dr. David Britt (1984).
Host to Dr. David Jaggar, NSF Grant 1984-85.
Host to Dr. John Smith, Australian Traveling Fellowship, 1984.
Host to Dr. M. Kiley-Worthington, 1988.
Host to Dr. K. George, NSF Grant 1990-91.
Host to Dr. H. Tanabe, Fulbright Grant 1990-91.
\$10,000 from Colorado Agricultural Experiment Station to research a new method for animal identification, 2006. I am Principal Investigator, Bruce Golden and Sam Comstock (Animal Sciences) are co-investigators.
\$100,000 from National Pork Producers, "A Humane Method of Euthanasia," 2009
Grant to study hypobaric euthanasia for sick pigs. \$100,000 (With Terry Engle.) National pork producers.

Honors, Awards, Editorial Positions, Consulting Work

Numerous undergraduate awards in philosophy and literature.
Numerous fellowships and scholarships listed above.
Phi Beta Kappa (elected as a junior)
Listed in *Directory of American Scholars* and *Who's Who in the West*.
Listed in *Dictionary of International Biography*.
Listed in *Contemporary Authors*.
Invited by Dr. Michael W. Fox, Director of the Institute for the Study of Animal Problems, Humane Society of the United States, Washington, D.C., to serve as a member of and advisor to a national

advisory group of experts devoted to promulgating the study of humane ethics and developing solutions to animal problems.

Guest of the Polish Academy of Sciences, August 1976; November 1978.

Named to the editorial board of *Acta Semiotica et Linguistica*, an international journal of linguistics and semiotics, University of Sao Paulo, Brazil.

Visiting philosopher and joint appointee, Department of Physiology (1976-present).

Award for excellence in teaching, research and service, College of Humanities and Social Sciences for 1976, 1977, 1978, 1979.

Appointed to faculty of CSU College of Veterinary Medicine, to teach what is to my knowledge the first philosophy course in veterinary ethics ever offered in the U.S.

Named to the editorial board of *Man and Medicine (Journal of Values in Health Care)*, a journal devoted to values in health care, College of Physicians and Surgeons, Columbia University.

Named to the editorial board of the *International Journal for the Study of Animal Problems*, Washington, D.C.

Member, Organizing Committee, joint Columbia College of Physicians and Surgeons-Animal Medical Center conference on grief in human and animal medicine.

Editorial Associate, *The Behavioral and Brain Sciences*.

Consulting for USDA, University of Florida, University of California, Davis, Washington State University, Ohio State University and many other schools on establishing programs in veterinary medical ethics.

Consulting for Canadian Federation of Humane Societies on preparing brief on animals and the criminal law to law reform commission.

Correspondent, Scientists Center for Animal Welfare, Washington, D.C.

Editorial Board, *Ethics and Animals*.

Consultant on veterinary ethics and malpractice.

Consultant for Canadian Federation of Humane Societies on Ethics and Economic Policy.

Subject of feature article in *Chronicle of Higher Education*, March, 1981.

Named outstanding Educator, *Nutshell* magazine, 1981.

Subject of numerous articles in newspapers and magazines across the U.S., Canada, England, Scotland, Holland and Australia (too numerous to list).

Subject of numerous radio and TV interviews in U.S., Canada, and Australia.

Consultant for Canadian Federation of Humane Societies on federal wildlife policy.

Consultant for Biological Sciences Curriculum Study Group, Boulder, Colorado on developing materials on animal welfare for high school biology courses.

Featured in *CSU Alumnus* magazine, October, 1981.

Expert witness on issues relating to animals and society. Testified before Congress, December 1982.

Principal architect of 1985 Federal legislation on welfare of laboratory animals.

Awarded Harris T. Guard Award for Excellence in Teaching, 1981.

Executive Committee, Institute of Thanatology, Columbia University College of Physicians and Surgeons.

Asked to serve on editorial board of *People and the Living Environment*.

Awarded Waco F. Childers award, American Humane Association, 1982.

Consultant to American Humane Association.

Consultant on evaluation for various institutions on tenure and promotion.

D.L.T. Smith endowed lecturer at Western College of Veterinary Medicine, University of Saskatchewan, Saskatoon, March, 1983.

C.W. Hume endowed lecturer at the University of London, Kings College, November, 1983.
Hosted Dr. Leo Bustad, Dean of the College of Veterinary Medicine, Washington State University, who came to CSU to study veterinary medical ethics with me.
Consultant to Department of Defense on establishing principles for the use of animals in research.
Awarded Veterinary Service Award by Colorado Veterinary Medical Association (given infrequently for outstanding service to veterinary medicine in Colorado), September 1983.
Named Honors Professor, CSU, November 1983.
Named to honorary board of directors of Political Animal Welfare Action Committee (PAWAC), California, 1983.
Featured in film, "Tools for Research," 1983.
Consultant to Montana State University.
Consultant to Washington State University, College of Veterinary Medicine.
Cited in *Nature* for work in laboratory animals, October 1984.
Cited in American Psychological Association *Monitor*, Fall 1984.
Named to Editorial Board, *Studies in Animal Welfare Science*.
Named to Editorial Board, *Between the Species*.
Consultant to USDA on genetic manipulation of animals and animal welfare (farm animals).
Consultant to Canadian Commission on Whales and Whaling.
Consultant to Canadian Law Reform Commission.
Reviewer for Office of Technology Assessment study of research animal welfare.
Consultant to Australian Senate on Animal Welfare.
Consultant to University of California, Berkeley, on laboratory animals.
Consultant to American Association for Accreditation of Laboratory Animal Care (first philosopher so designated).
Consultant to various radio and television programs on animal welfare.
Featured in Denver *Post* Sunday magazine article on animal rights, April 1985.
Consultant to South Australia government committee on animal welfare.
Named to Editorial Board, *Loss, Grief, and Care* (Columbia).
Named to Advisory Board, *International Network for Religion and Animals*.
Lowell Lecturer, Boston Aquarium, May 1985.
Featured in filmstrip, "About Animals, the Question Is..," 1985.
Featured in PBS Documentary on laboratory animals (Denver), September 1985.
Editorial Consultant, *Journal of the American Veterinary Medical Association*.
Consultant to United Airlines.
Featured in the *Australian farmer*, September 1985.
Board of Advisors, Delta Society.
Consultant to Dutch Humane Societies.
Finalist, AVMA Animal Welfare Award, 1987.
Named to editorial board, *Agricultural Ethics*, 1987.
Consultant to USDA on genetic engineering and animal welfare.
Corresponding member, University of Liverpool, Centre for the Study of Animal Affairs.
Consultant to USDA on guidelines for farm animal welfare (1988).
Named to National Research Committee, Delta Society.
Did videotape on research animal ethics for national distribution under federal grant (at VPI).
Consultant to South African Medical Research Council on regulation of animal research.

Named to faculty board of President's Leadership Program (only 1 faculty member in each college so designated.)

Named to Advisory Board, Center for Respect for Life and the Environment, Washington, D.C.
Only person invited by both Canadian Medical Research Council and NIH to participate in Ottawa Symposium on Animal Research (April 1988).

CSU Veterinary School Committee on alternatives to live animal surgery.

AAVC National Committee on alternatives to live animal surgery.

Consultant to NIH and ILAR on animal pain.

CSU College of Veterinary Medicine Gallery of Distinguished Faculty (1993).

Charter Member and Vice President, Society for Veterinary Ethics.

University Nominee for CASE national teaching award.

Listed in *Who's Who in America*.

Editorial board, *Teaching Philosophy*, 1990.

Listed in *Who's Who in the West*.

Listed in *Who's Who in Science and Engineering*.

Listed in *Who's Who in American Education*.

Listed in *American Men and Women of Science*.

Listed in *Who's Who in Teaching*.

Research and Creativity Award, College of Arts, Humanities, and Social Sciences, April 1991.

Listed in *Dictionary of International Biography*.

Consultant to NSF.

Consultant to NIH.

Featured on PBS videotape for Colorado Division of Wildlife.

Featured in *Colorado Farmer and Rancher*, April 1990.

Named to Colorado Veterinary Medical Association Committee on Animal Welfare.

Featured in *Beef Today*, (April 1993).

Editorial Board, *Equine Practice*.

Named to Colorado State University College of Veterinary Medicine Gallery of Distinguished faculty, 1993.

Charter Member, Society for Veterinary Ethics.

Featured in ABC/TV Documentary on Frankenstein (December 1993).

Awarded Gustavus Myers Human Rights Award for second edition of *Animal Rights and Human Morality*.

CSU Library has established a collection of my papers, letters, and manuscripts.

Awarded Alex Brownlee Award for Outstanding Achievement in Animal Welfare Science, Animal Welfare Foundation of Canada.

Subject of two major editorial articles in *Western Livestock Journal*, subject of cover story in *Animal People*.

Member of Organizing Committee for National Symposium of Youth Livestock Showing Ethics (1995).

Featured in four Public Radio stories on agricultural ethics and showing ethics (1995).

Reader for Cambridge U. Press, Iowa State U. Press, Oxford U. Press.

Photograph featured in Sdorow's *Psychology*. (Most frequently assigned psychology text.)

Colorado Cattlemen's Association, Advisory Group on Biotechnology Policy

Humane Society of the U.S., advisory group on animal pain and suffering.

Advisor to Canadian Federation of Humane Societies on Animal Care and Use Committees.

Elected to National Western Stock Show Association, the group governing the National Western Stock Show. *This is considered a major honor, requiring nomination by existing members, and approval by the whole group!*

Awarded U.S. West Excellence in Education Award.

Nominated by V.P. for Research for NSF highest award for people who bring together science and society.

Who's Who Among American Teachers (named twice; only two percent receive this honor).

Eddy Professor

University Distinguished Professor

Technology Transfer Award, Colorado State University Research Foundation, 2005

Named Adjunct Faculty Member, Tuft Center for Animals and Public Policy

Consultant to PETCO

Consultant to Mycos Laboratories

Centers for Disease Control Animal Care and Use Committee

Consultant to Chipotle

Awarded (for second time) Alex Brownlee Award for Outstanding Achievement in Animal Welfare Science, Animal Welfare Foundation of Canada, 2005.

Henry Spira Award in Animal Welfare from Johns Hopkins University Center for Alternatives to Animal Testing, 2005

Colorado State University Alumni Distinguished Faculty Award, 2006

Shomer Award, Society for veterinary Medical Ethics of American Veterinary Medical Association, 2006

Named to Independent Commission on Confinement Agriculture (chartered by Pew Foundation)

Named to Institute of Laboratory Animal Resources Council (ILAR) of National Academy of Sciences

Journal of Animal Science

Journal of Ethics

Temple University Press

Purdue University Press

Journal of Agriculture and Environmental Ethics

Center for Science in the Public Interest

Lantern Books

Shomer Award of American Veterinary Medical Association (National)

Alumni Teaching Award (CSU)

Pew Commission on Confinement Agriculture

Institute of Laboratory Animal Resources of Council of National Academy of Sciences

Society for the Study of Reproduction Ethics Committee

PhD external examiner, U of Sydney, Australia, philosophy

Featured in Documentary film, "Behind Closed Doors", about confinement agriculture

Featured in *DVM Magazine*; story with cover photo

Veterinary Forum Ethics Column

Read MS. for *Journal of the American Veterinary Medical Association*; *Journal of Animal Science*; *Canadian Journal of Sociology*; *Ethical Theory and Moral Practice*

Read grant proposals for New Zealand government

Read book MS. for William Thompson; Prometheus Books

Awarded American Veterinary Medical Association Humane Award, highest award granted to a non-veterinarian
Awarded Nelligan Sports Excellence in Teaching Award, CSU
CDC Animal Care and Use Committee
Northern Colorado Bravo Awards Committee
MYCOS Animal Care and Use Committee
Member of Ad Hoc Committee to Save Unwanted Horses
Advisor to Chipotle Corporation
Mediator between Humane Society of the US and Colorado Livestock Association regarding \$25 million referendum on confinement agriculture
Member of National Commission on Industrial Farm Animal Production (Pew Commission)
Institute of Laboratory Animal Research, National Academy of Sciences (member)
PETCO Animal Advisory Council
Advisor to Morris Animal Foundation
Consultant/lecturer-Pig Improvement Company
Consultant on Ethics National Pork Producers
Science Foundation for Ethical Research- Board Member
American Humane Association Committee on Humane Food
Board member – Colorado Unwanted Horse Coalition
Brokered compromise between Human Society of the U.S. and Colorado Ag to avoid referendum like Prop 2 in California. Led to new law (5/08), circa 200 hours expended
Member of National Western Animal Care Committee
Member of CDC of the Animal Care Committee
PEW Commission Member (Report very influential) PCIFAP.org
Reviewer for *Canadian Journal of Sociology*
Reviewer for *Anthrozoos*
Reviewer for *Ethical Theory and Moral Practice*
Reviewer and head of Ethics Review Board for Morris Animal Foundation
Reviewer for *Journal of Ethics*
Reviewer and member of Editorial Board
Journal of Agricultural and Environmental Ethics
American Humane Association Advisory Board regarding humane food
Special Service to the state/community related to professional expertise
Consultations related to professional experience
Expert testimony
Accreditation review at other institutions
Wrote brief for New Jersey Supreme Court on regulation of Animal Agriculture. Instrumental in court decision
Got \$500 grand for Jared Prunty from Animal Assistance Foundation
Won College of Agriculture Service to Agriculture Award (awarded once a year)
University of Kentucky, “Teachers Who Made a Difference”
International Foundation for Ethical Research – Board Member
Colorado Unwanted Horse Coalition – Board Member
Purdue PhD Committee for Jonathan Beaver
Grant Reviewer for
NIH

Australian Post-Doctoral Research Fellowship
Wellcome Trust (2 grants)
Social Sciences and Humanities Research - Council of Canada

Reader for:

Journal of the American Veterinary Medical Association
Philippine Journal of Science
Journal of Animal Science
Environmental Values
Journal of Agricultural and Environmental Ethics (editorial board)

Chairman, Morris Animal Foundation Ethics Committee
Member, CDC Fort Collins Animal Care and Use Committee
Member, Advisory Council, Voiceless, Australia

Business Experience

Founder Optibrand Ltd., LLC (a retinal identification company for livestock and other animals) 1997-present
Board Member – Optibrand
Audit Committee – Optibrand
Compensation Committee – Optibrand

University Service

I have served on a variety of university, college, and departmental committees ranging from a task force designed to develop an honors program for superior students to a standing committee which allocates grant money for biological research, to a search committee for a dean of humanities and social sciences, to a search committee for varsity weight room coach. Named to *ad hoc* state-wide committee to draft humane animal care legislation for the Colorado Legislature, including an injunction bill to stop cruelty and the first bill in the U.S. which would license animal experimentation. Laboratory animal bill drafted by the committee was introduced in the U.S. House of Representatives as Amendment to the Animal Welfare Act (Schroeder Bill) and became Walgren and Dole Bills. Named to Biohazard Regulatory Committee. Elected to Women's Studies Advisory Board. Ran symposium on Medical Ethics. Only non-scientist on ad hoc committee to establish biology institute at CSU. Served on committee to develop and award faculty research grants. Served on committee to restructure biology at CSU.

I organized a joint lecture series with the University of Colorado in history and philosophy of science (1976-1983). The series presents internationally known scholars in history and philosophy of science, and is being continued. I was charged with organizing the second Colorado state-wide Conference on History and Philosophy of Science, May 1978, which was enormously successful.

I regularly speak on animal ethics across campus to classes, student and faculty groups, and to groups in Colorado.

I have pioneered in developing a course of study in philosophy for premedical students, including a course in bio-ethics. I taught one of the first courses in medical ethics ever done on the undergraduate level in this country.

I have set up a required philosophy program within the College of Veterinary Medicine. This is the first such program in the United States. The course was offered in Spring 1978, and I was jointly appointed to the College of Veterinary Medicine. Dr. Harry Gorman, past president of the AVMA, was present at all class meetings and served as a resource person. During fall of 1977, I began team-teaching a one-year honors course in basic biology, together with a botanist. I teach conceptual and philosophical issues and was present at all class and laboratory meetings. Both courses were enormously successful and have received national attention. I also spend some time in the CSU Veterinary Teaching Hospital, in dialogue with students and clinicians. Have effected major changes here and nationally. Have lectured at 35 veterinary colleges.

Developed first course ever done in the U.S. on ethical issues in intensive agriculture for animal science students, fall, 1982-present.

Named Director of Bioethical Planning at CSU, August 1979. I work with scientists on biohazard, use of animals, human research, peer review and other bioethical problems. Chair human research committee. To my knowledge this is the first such administrative position in the U.S. Served as Acting Animal Care Director and Acting Head of Federal Regulations Office in absence of Dr. David Neil, Summer 1981. Worked on setting up biohazard director position. Named University Bioethicist, June 2000.

Coedited CSU Biohazard Manual (Fall 1980).

Developed and helped implement program of local review of animal projects, 1983.

Developed course for graduate students on proper techniques of animal care (first offered Spring 1986), with M.L. Kesel, DVM.

Developed seminars for faculty on animal care and use (1987-present).

Chaired departmental advisory committee.

Chaired departmental search committee.

Member of College of Veterinary Medicine Committee on Animal Welfare and Alternatives to Live Animal Surgery.

Member of President's Leadership Class Committee.

Member of Dean Search Committee, College of Arts, Humanities, and Social Sciences.

Featured in CSU recruitment video.

Advisor to Wrestling Club.

Developed outcomes assessment exam for philosophy graduates.

Spokesman for College of Veterinary Medicine on animal welfare issues.

Originated course on science and ethics for doctoral candidates in neuroscience and molecular biology, Spring 1993.

Developed required course in surgery for graduate students in the sciences (started January 1994).

Wrote section of Colorado 4-H Manual.

Advisor to the Committee, a group of agriculturalists organized to stop cheating in livestock shows.

Consistently scored highest evaluations ever recorded for talks at 4-H Annual Roundup.

Organized National Western Stockshow Animal Ethics Committee, 1998. Regular speaker at Governor's Ag Forum. Created Bioethics and Society course for core (with Colin Clay)
Member of emergency task force to deal with crisis in Laboratory Animal Resources
Chipotle animal welfare advisor
Search Committee for LAR Association Director
Search Committee for University Veterinarian
Mediator, Department of Biomedical Sciences
UDP Committee
Human Subjects Committee
Animal Care and Use Committee
Part of advocacy local group that drafted statement on fiopharming
Organizer for LAT training
VP for Research Committee to Review AEP proposals,
University Bioethicist
Course Coordinators Committee, College of Veterinary Medicine
Chair Search committee for Ethics position
Member of search committee logic position
Endowment Committee
Graduate Committee
Wrote outreach section for 5 year self-study
Course Coordinator's Committee Vet Medicine
Animal Care and Use Committee
Search Committee for Regulatory Compliance Office Director
VPR ad hoc committee to develop ethics and science teaching
Chaired Search Committee for Environmental Ethics position, 2008.
Endowment Committee, (3rd year)
Advisor to Philosophy Club (3rd year)
IRB (Human Subjects)
Institutional Biosafety Committee (circa 4 hours/month)
Monfort Grant Committee
Monfort Professor Committee
Ombudsman for Animals (University and Vet School)
Course Coordinators Committee Veterinary Medicine
CSU Biomedical Sciences Club, Pre-Vet Club

Areas of Interest (teaching and research)

Animal Welfare, History of Philosophy (especially Hume and Kant). History of Semiotics, Theory of Meaning, Philosophy of Language, Philosophy of Biology, Philosophy of Medicine, Medical Ethics, Bioethics, History of Ideas, Philosophy and Literature, Ethics and Animals, Metaphysics, Philosophy of Veterinary Medicine, Veterinary Medical Ethics, Animal Consciousness, Animal Pain, Biotechnology and Genetic Engineering.

Recreational Pursuits

Horseback-riding, horse training, motorcycles, weight-lifting. (I have coached and taught weightlifting and conditioning to faculty, students and athletes.)

In 2008 I brokered a compromise between the HSUS and the Colorado Livestock Association to avoid a ballot referendum similar to Prop 2 in California, thereby avoiding a bloody battle and saving each side about \$12 million. It has been said by both sides that I am the only person in the world who could have accomplished this.

EXHIBIT 14

Jeff Sebo, *curriculum vitae*

CONTACT INFORMATION	Department of Environmental Studies New York University 285 Mercer Street #1003 New York, NY 10003 USA	<i>Phone:</i> (212) 998-3544 <i>Fax:</i> (212) 995-4157 <i>E-mail:</i> jeffsebo@nyu.edu <i>Web:</i> jeffsebo.net
SPECIALIZATION	Bioethics, Animal Studies, and Environmental Studies; Moral, Legal, and Political Theory; Sentience, Agency, and Well-being; Animals, Public Health, and Climate Change	
EMPLOYMENT	New York University Clinical Associate Professor of Environmental Studies Clinical Assistant Professor of Environmental Studies Affiliated Professor of Bioethics, Medical Ethics, and Philosophy Director of the Animal Studies M.A. program	2020–present 2017–2020 2017–present 2017–present
	University of North Carolina at Chapel Hill Research Assistant Professor of Philosophy Associate Director of the Parr Center for Ethics	2015–2017 2015–2017
	National Institutes of Health Postdoctoral Fellow in Bioethics	2014–2015
	New York University Postdoctoral Fellow in Animal Studies and Environmental Studies	2011–2014
EDUCATION	New York University Ph.D. in Philosophy	2011
	Texas Christian University B.A. in Philosophy and Sociology, <i>summa cum laude</i>	2005
DISSERTATION	<i>The Personal Is Political</i> Committee: Derek Parfit, John Richardson, Sharon Street, J. David Velleman (chair)	
BOOKS	<i>Why Animals Matter for Climate Change</i> (Oxford University Press, in contract). <i>Chimpanzee Rights</i> (with 12 other philosophers) (Routledge, 2018). <i>Food, Animals, and the Environment</i> (with Christopher Schlottmann) (Routledge, 2018).	
ARTICLES AND CHAPTERS	“The Many Levels of Ethics” <i>Philosophical Studies</i> (forthcoming, pending final review). “Meta Applied Ethics” <i>Ethical Theory and Moral Practice</i> (forthcoming, pending final review). “The Future of Moral Status” <i>The Oxford Handbook of Normative Ethics</i> , ed. David Copp, Connie Rosati, and Tina Rulli (Oxford University Press, forthcoming). “Wild Animal Ethics” <i>The Routledge Companion to Environmental Ethics</i> (forthcoming, pending final review).	

- “Animals and Consequentialism” (with Tyler John) *The Oxford Handbook of Consequentialism*, ed. Doug Portmore (Oxford University Press, forthcoming).
- “Animals and Climate Change,” *Philosophy and Climate Change*, ed. Mark Budolfson, Tristram McPherson & David Plunkett (Oxford University Press, forthcoming).
- “Broadening Bioethics” (with Dale Jamieson) *Applying Nonideal Theory to Bioethics*, ed. Laura Guidy-Grimes & Elizabeth Victor (Springer, forthcoming).
- “Can Knowledge Itself Justify Harmful Research?” (with David DeGrazia), *Cambridge Quarterly of Healthcare Ethics* (forthcoming).
- “Where Can Animals Belong?” *Animals and their Environments*, ed. Colin Jerolmack (NYU Press, forthcoming).
- “Effective Altruism and Transformative Values” (with L.A. Paul), *Effective Altruism: Philosophical Perspectives*, ed. Theron Pummer & Hilary Greaves (Oxford University Press, 2019).
- “Effective Animal Advocacy,” *Routledge Handbook of Animal Ethics*, ed. Bob Fischer (Routledge, 2019).
- “Activism” (with Peter Singer), *Critical Terms for Animal Studies*, ed. Lori Gruen (Chicago University Press, 2018).
- “The Ethics and Politics of Plant-Based and Cultured Meat,” *Les ateliers de l'éthique/The Ethics Forum* (2018).
- “Fill-in-the-blank-emotion in Dogs?” (with Alexandra Horowitz and Becca Franks) *Animal Sentience* (2018).
- “Fish Are Smart and Feel Pain: What about Joy?” (with Alexandra Horowitz and Becca Franks) *Animal Sentience* (2018).
- “The Moral Problem of Other Minds,” *The Harvard Review of Philosophy* (2018).
- “Chimpanzee Personhood: The Philosophers’ Brief” (with 16 other philosophers), submitted to the New York Court of Appeals (2018).
- “Multi-Issue Food Activism,” *The Oxford Handbook of Food Ethics*, ed. Anne Barnhill, Mark Budolfson & Tyler Doggett (Oxford University Press, 2018).
- “Agency and Moral Status,” *Journal of Moral Philosophy* 14:1 (2017), pp. 1-22.
- “Bivalves are Better” (with Jennifer Jacquet and Max Elder), *Solutions* 7:1 (2017).
- “The Just Soul,” *The Journal of Value Inquiry* 49:1 (2015), pp. 131-43.
- “Multiplicity, Self-Narrative, and Akrasia,” *Philosophical Psychology* 28:4 (2015), pp. 589-605.
- “Necessary Conditions for Morally Responsible Animal Research” (with David DeGrazia), *Cambridge Quarterly of Healthcare Ethics* 24:4 (2015), pp. 420-30.
- “Utilitarianism, Multiplicity, and Liberalism,” *Utilitas* 23:3 (2015), pp. 326-346.

“Philosophical Sensitivity,” *Philosophy and Education*, ed. Jana Mohr Lone & Roberta Israeloff (Cambridge: Cambridge Scholars Publishing, 2012), pp. 23-6.

“Liberalism,” *Encyclopedia of American Philosophy*, ed. John Lachs & Robert Talisse (New York: Routledge, 2007), pp. 459-61.

“A Critique of the Kantian Theory of Indirect Duties to Animals,” *Animal Liberation Philosophy & Policy* 2:2 (2005), pp. 54-72.

BOOK REVIEWS

Shelly Kagan, *How to Count Animals, More or Less* (Oxford University Press, 2018), *Mind* (2020).

Christine Korsgaard, *Fellow Creatures: Our Obligations to the Other Animals* (Oxford University Press, 2018), *Ethics* (2019).

Sarah Conly, *One Child: Do We Have a Right to Have More?* (Oxford University Press, 2017), *Essays in Philosophy* (2017).

Tatjana Višak and Robert Garner (eds.), *The Ethics of Killing Animals* (Oxford University Press, 2015), *Notre Dame Philosophical Reviews* (2016).

SELECTED

“Wild Animal Welfare” June 2020
Longtermism Workshop, Global Priorities Institute, Oxford University

INVITED

“Effective Animal Advocacy” April 2020
Animal Liberation Conference, New York City

PRESENTATIONS

“Justice in the Anthropocene” March 2020
Animals and Climate Change Workshop, Institute for Futures Studies, Stockholm

“Why Animals Matter for Climate Change” December 2019
The Nelson Lecture on Non-human Animals, Indiana University

“Multi-issue Animal Advocacy” November 2019
Phoenix Zones Initiative, Santa Fe

“Animal Welfare, Risk, and Uncertainty” November 2019
Duke University

“The Ethics of Plant-based and Cell-based Meat” October 2019
Gemic, New York City

“A Utilitarian Case for Animal Rights” October 2019
Effective Altruism Global, London

“The Many Levels of Ethics” October 2019
Center for Ethics in Society, Stanford University

“Animal Agency and Personhood” September 2019
St. Francis College

“The Ethics of Chimera Research” September 2019

The Hastings Center	
“The Many Levels of Ethics” Oxford University	September 2019
“Nature-based Solutions for Improving Animal Welfare” Shenzhen, China	July 2019
“Multi-Issue Food Activism” Shenzhen, China	July 2019
“Why Animals Matter for Climate Change” University of Vermont	May 2019
“The Ethics of Animal Research” NYU Department of Neuroscience	May 2019
“The Case for Nonhuman Personhood” Cambridge University	April 2019
“Why Animals Matter for Climate Change” Mount Sinai, New York City	April 2019
“Animals and Climate Change” Rice University	January 2019
“Food and Autonomy” APA Eastern Division Meeting, New York City	January 2019
“Effective Animal Advocacy” Harvard University	November 2018
“The Case for Nonhuman Personhood” Harvard University	November 2018
“Intrapersonal Egalitarianism” Yale University	November 2018
“The Case for Nonhuman Personhood” New York University School of Law	November 2018
“Effective Animal Advocacy” Universidad del Valle de Mexico	October 2018
“Ethics and Animals” Agencia de Atencion Animal, Mexico City	October 2018
“Sentience as a Basis for Legal Rights” Plenary Address, National Autonomous University of Mexico	October 2018
“Harm-Benefit Analysis” University of Wisconsin at Madison	August 2018

“Ethics, Animals, and Climate Change” Gallery 151, New York City	May 2018
“Animal and Environmental Ethics” Columbia Vegan Society, Columbia University	April 2018
“Ethics, Animals, and Climate Change” Texas Christian University, Fort Worth	April 2018
“Careers in Animal Advocacy” Cardozo School of Law, New York City	February 2018
“Animal Minds: Feeling Animals” Minding Animals Conference IV, Mexico City	January 2018
“Animals and Climate Change” Minding Animals Conference IV, Mexico City	January 2018
“Bioethics and Effective Cultural Change” Minding Animals Conference IV, Mexico City	January 2018
“The Ethics of Terrorism” Commentary on Blake Hereth, Eastern APA, Savannah	January 2018
“Why Does Biodiversity Matter?” Medical Ethics Colloquium Series, New York University	November 2017
“Animal Ethics” Cardozo School of Law, New York City	November 2017
“Effective Animal Activism” Animal Welfare Collective, New York University	October 2017
“Why Animals Matter for Climate Change” Human-Animal Studies University Seminar, Columbia University	September 2017
“Harm-Benefit Analysis and Beyond” 10th World Congress on Alternatives and Animal Use in the Life Sciences, Seattle	August 2017
“Food Politics” Good Food Hero Summit, China	August 2017
“Food Ethics” Good Food Hero Summit, China	August 2017
“The Ethics of Humor” Fly Leaf Bookstore, Chapel Hill	June 2017
“The Future of Meat” Veganism and Beyond Workshop, Queen’s University, Kingston	June 2017
“Effective Altruism and Transformative Values” (with L.A. Paul)	May 2017

The Ethics of Giving Conference, University of St. Andrews	
“Animals and Climate Change” Centre for Research on Ethics, University of Montreal	May 2017
“Effective Altruism and Transformative Values” (with L.A. Paul) Keynote talk, Symposium on Effective Animal Advocacy, Pacific APA, Seattle	April 2017
“The Ethics of Anger” Commentary on Martha Nussbaum, Maynard Adams Symposium, UNC-Chapel Hill	April 2017
“Wildness and Civilization” Southern Society for Philosophy and Psychology, Savannah	April 2017
“Communicating across Political Divides” Back Bar, Chapel Hill	November 2016
“Activism, Advocacy, and Education” Symposium on Research in Effective Animal Advocacy, Princeton University	November 2016
“Ethics and Climate Change” Keynote talk, 2016 Ethics & Leadership Conference, Durham	November 2016
“Animals and Climate Change” Department of Philosophy, Princeton University	May 2016
“Ethics and Climate Change” Plenary Address, Coastal Carolina University	April 2016
“The Epistemic Value of Emotion” Program in the Humanities and Human Values, UNC-Chapel Hill	April 2016
“Political Animals” Commentary on Angela Martin, University of Montreal	March 2016
“Kantian Food Ethics” Commentary on Yi Deng, Eastern APA, Washington DC	January 2016
“Moral Status and the Ethics of Uncertainty” Department of Philosophy, University of South Carolina	August 2015
“Animal Advocacy and Systemic Change” Effective Altruism Global, Google HQ, Mountain View	July 2015
“Food Activism” University of Vermont Food Ethics Workshop	April 2015
“The Ethics of Animals in Captivity” Breaking Free: Symposium on Animals in Captivity, New York University	March 2015
“Animals and Philosophy” (with Will Kymlicka) Minding Animals Conference, New Delhi	January 2015

MEDIA

Opinion

- “Save the Animals”
Animal Minds 2020
- “To Reduce the Risk of Pandemics, We Must Ban Factory Farms Now” (with nico stubler) 2020
Sentient Media
- “Stop Treating Violence against Animals as a Game” (with Lori Marino) 2020
Sentient Media
- “Stop Treating Animals as ‘Invaders’ for Simply Trying to Exist” (with Marina Bolotnikova) 2020
Sentient Media
- “All We Owe to Animals” 2020
Aeon
- “Expanding Food Ethics Beyond Consumer Ethics” forthcoming
NBC THINK
- “How We Treat Old Chimpanzees – And What That Says About Us” 2019
The Los Angeles Times
- “Should Chimpanzees Be Considered Persons?” (with other philosophers) 2018
The New York Times Sunday Review

Recent Interviews

- “Bodies on the Line” 2020
For Food’s Sake
- “Making Animal Ethics Matter with Jeff Sebo” 2020
The Other Animals, WWDB-AM
- “Beasts’ Burdens: On Climate Change and Nonhuman Animals” 2020
Interchange, WFHB radio
- “Uncivil Disobedience” 2019
Hi-Phi Nation
- “The Moral Problem of Other Minds” 2019
Algocracy and the Transhumanist Project
- “Food, Animals, and the Environment” (with Christopher Schlottmann) 2019
Our Hen House (2019)
- “Chimpanzee Rights” 2019
Knowing Animals
- “The Ethics and Climate Change Relationship” 2018
Supreme Master TV

UNIVERSITY
SERVICE

Animal Studies & Environmental Studies, New York University
 Director of the Animal Studies M.A. Program 2017–present
 Animal Studies Events Co-Convener 2017–present
 Animal Welfare Reading Group Co-Convener 2017–present
 Advisory Board Member, Animals in Context Series at NYU Press 2017–present
 Executive Committee Member, Center for Environmental and Animal Protection 2018–present
 Faculty Mentor for NYU Animal Welfare Collective 2017–present
 Faculty Mentor for NYU Effective Altruism 2018–present
 Animal Studies Minor Advisor 2012–2014
 Animal Studies Advisory Committee Member 2011-2014

Philosophy, UNC Chapel Hill

Director of Programming, Parr Center for Ethics 2015-2017
 Fundraiser, Parr Center for Ethics 2015-2017
 Search Committee, National High School Ethics Bowl Director 2016-2017
 Case Editor, National High School Ethics Bowl 2015-present

Bioethics, National Institutes of Health

Bioethics Consultation Service Member 2014-2015
 Clinical Center Ethics Committee Member 2014-2015
 Mental Health IRB & Infectious Disease IACUC Participant 2014-2015
 Mental Health & Genomic Clinical Rounds Participant 2014-2015

Philosophy, New York University

Graduate Recruitment Coordinator 2008-2009
 Graduate Student Representative 2007-2008
 Reading Group Organizer 2006-2007
 Co-Organizer, 2006 Columbia/NYU Graduate Conference in Philosophy 2005-2006

PROFESSIONAL
SERVICE

Referee 2011–present

<i>Australasian Journal of Philosophy</i>	<i>Between the Species</i>
<i>Canadian Journal of Philosophy</i>	<i>Essays in Philosophy</i>
<i>Ethical Theory and Moral Practice</i>	<i>Journal of Agricultural and Environmental Ethics</i>
<i>Journal of the American Philosophical Association</i>	<i>Journal of Global Ethics</i>
<i>Journal of Applied Philosophy</i>	<i>Journal of Moral Philosophy</i>
<i>Journal of Philosophical Research</i>	<i>Kennedy Institute of Ethics Journal</i>
<i>Law and Philosophy</i>	<i>Oxford University Press</i>
<i>Palgrave Macmillan</i>	<i>Philosophy Compass</i>
<i>Philosophical Psychology</i>	<i>Philosophical Studies</i>
<i>Res Publica</i>	<i>Routledge Philosophy</i>
<i>Science Advances</i>	<i>Social Theory and Practice</i>
<i>Swiss National Science Foundation</i>	<i>Theoria</i>
<i>The University of Chicago Press</i>	<i>WIREs Climate Change</i>
<i>Yale University Press</i>	

PUBLIC SERVICE	Advisory Board Member, Sentience Institute	2018–present	
	Board Member, Animal Charity Evaluators	2015–present	
	Board Member, Minding Animals International	2014–present	
	Executive Committee Member, Animals and Society Institute	2012–present	
	Founding Director, New York Institute of Philosophy Outreach Program	2008–2010	
	Outreach Teaching		
	“Animal Ethics,” North Carolina School of Science and Mathematics	2015	
	“Moral Status,” Wi-Phi: Open Access Philosophy	2013	
	“Environmental Ethics,” Earth Institute Center, Columbia University	2013	
	“Ethics,” “Metaphysics,” Science, Technology and Research (STAR) Academy	2010	
	“Ethics,” Science, Technology and Research (STAR) Academy	2009	
	“Ethics,” Urban Assembly School of Business for Young Women	2009	
	Outreach Outreach		
	“Creating a Philosophy Outreach Program”	Fall 2010	
	Philosophy Learning and Teaching Organization (PLATO) Website		
	“Creating a Philosophy Outreach Program”	Fall 2010	
	Columbia University Philosophy in Schools Conference		
	“Philosophical Sensitivity”	Summer 2010	
	Columbia University Outreach Conference		
	TEACHING	Animal Studies & Environmental Studies, New York University	
<i>Graduate</i>			
Capstone Seminar		2019, 2020	
Animals and Climate Change		2019	
Effective Animal Advocacy		2018	
Animals, Food, and Climate: Law School Reading Group (with Katrina Wyman)		2019	
<i>Undergraduate</i>			
Animal Minds (6x)		2020, 2019, 2018, 2014, 2013, 2011	
Ethics and Activism		2014	
Ethics and Animals (6x)		2019, 2018, 2017, 2013, 2012, 2012	
Ethics and the Anthropocene		2018	
Ethics and the Environment (2x)		2017, 2013	
Food, Animals, and the Environment (3x)		2018, 2014, 2012	
Political Theory and Animals		Spring 2013	
Summer Program, Sichuan University			
Ecology		2019	
Psychology		2019	
Philosophy, University of North Carolina at Chapel Hill			
Population Ethics		Spring 2017	
Philosophy of Comedy (with Matthew Kotzen)		Fall 2016	
Bioethics	Summer 2016		
Ethics and Activism	Spring 2016		
Ethics and Food	Fall 2015		

Philosophy, New York University	
Moral Status (Bioethics Graduate Seminar)	Summer 2011
Logic	Spring 2011
Philosophy of Law (with Colin Marshall)	Summer 2010
Life and Death	Summer 2009
Medical Ethics	Summer 2008

INTERNSHIPS

Animal Care Foundation	Summer 2006
ACF is a non-profit that promotes animal rights and supports animal rescue in Hawaii.	
 The Daily Show with Jon Stewart	 Summer 2004
<i>The Daily Show with Jon Stewart</i> was a satirical news program on Comedy Central.	

REFERENCES

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EXHIBIT 15

New York Supreme Court

Appellate Division—First Department

In the Matter of a Proceeding under Article 70 of the CPLR
for a Writ of Habeas Corpus and Order to Show Cause,
THE NONHUMAN RIGHTS PROJECT, INC., on behalf of HAPPY,
Petitioner-Appellant,

**Appellate
Case No.:
2020-02581**

– against –

JAMES J. BREHENY, in his official capacity as Executive Vice President and
General Director of Zoos and Aquariums of the Wildlife Conservation Society
and Director of the Bronx Zoo and WILDLIFE CONSERVATION SOCIETY,
Respondents-Respondents.

**BRIEF FOR AMICI CURIAE GARY COMSTOCK, PH.D.,
G.K.D. CROZIER, PH.D., ANDREW FENTON, PH.D., TYLER
JOHN, L. SYD M JOHNSON, PH.D., ROBERT C. JONES,
PH.D., LETITIA MEYNELL, PH.D., NATHAN NOBIS, PH.D.,
DAVID PEÑA-GUZMÁN, PH.D., JAMES ROCHA, PH.D.,
BERNARD ROLLIN, PH.D. AND JEFF SEBO, PH.D. IN
SUPPORT OF PETITIONER-APPELLANT**

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Gary Comstock, Ph.D., G.K.D.
Crozier, Ph.D., Andrew Fenton,
Ph.D., Tyler John, L. Syd M
Johnson, Ph.D., Robert C. Jones,
Ph.D., Letitia Meynell, Ph.D.,
Nathan Nobis, Ph.D., David Peña-
Guzmán, Ph.D., James Rocha,
Ph.D., Bernard Rollin, Ph.D. and
Jeff Sebo, Ph.D.*

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Nonhuman Rights Project Inc ex rel Tommy v. Lavery,
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People ex rel Nonhuman Rights Project Inc v Lavery,
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DeGrazia, David (2007). “Human-animal chimeras: Human dignity, moral status, and species prejudice.” <i>Metaphilosophy</i> , 38(2-3).....	25, 26
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Hull, David (1986). “On human nature,” <i>PSA: Proceedings of the Biennial Meeting of the Philosophy of Science Association</i> , Volume Two: “Symposia and Invited Papers”.....	9
Johnson, Robert; Cureton, Adam. (2017). “Kant's moral philosophy,” <i>The Stanford Encyclopedia of Philosophy</i> (Fall 2017 Edition), Edward N. Zalta (Ed.).....	27
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Kittay, Eva Feder (2005). “At the margins of moral personhood.” <i>Ethics</i> , 116(1).....	20
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Rousseau, Jean-Jacques (1762). *On The Social Contract, Or Principles of Political Right in The Basic Political Writings*. Translated and edited by Cress, Donald A. Hackett Publishing; Indianapolis 2011..... 12, 13, 14

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**Supreme Court, Appellate Division,
First Department**

STATE OF NEW YORK

THE NONHUMAN RIGHTS PROJECT, INC., ON
BEHALF OF HAPPY,

Petitioner-Appellant,

—against—

JAMES J. BREHENY, IN HIS OFFICIAL CAPACITY AS THE
EXECUTIVE VICE PRESIDENT AND GENERAL DIRECTOR OF ZOOS
AND AQUARIUMS OF THE WILDLIFE CONSERVATION SOCIETY AND
DIRECTOR OF THE BRONX ZOO, AND WILDLIFE
CONSERVATION SOCIETY,

Respondents-Respondents.

**BRIEF OF *AMICI CURIAE* PHILOSOPHERS*
IN SUPPORT OF PETITIONER-APPELLANT**

* Gary Comstock, Ph.D., G.K.D. Crozier, Ph.D., Andrew Fenton, Ph.D., Tyler John, L. Syd M Johnson, Ph.D., Robert C. Jones, Ph.D., Letitia Meynell, Ph.D., Nathan Nobis, Ph.D., David Peña-Guzmán, Ph.D., James Rocha, Ph.D., Bernard Rollin, Ph.D., and Jeff Sebo, Ph.D. *Amici* thank Rachel Banks for her invaluable assistance.

I. Interest of the *Amici Curiae*

We the undersigned submit this brief as philosophers with expertise in ethics, animal ethics, political theory, the philosophy of animal cognition and behavior, and the philosophy of biology in support of the Nonhuman Rights Project's (NhRP's) efforts to secure habeas corpus relief for the elephant named Happy. The Supreme Court, Bronx County, in *The Nonhuman Rights Project v. Breheny*, 2020 WL 1670735 (Sup. Ct. 2020) ("*Breheny*"), declined to grant habeas corpus relief and order Happy's transfer to an elephant sanctuary, referencing previous decisions in the appellate courts that denied habeas relief for the NhRP's chimpanzee clients, Kiko and Tommy, namely *People ex rel Nonhuman Rights Project Inc v. Lavery*, 124 A.D.3d 148 (3d Dept. 2014) ("*Lavery I*") and *Nonhuman Rights Project Inc ex rel Tommy v. Lavery*, 152 A.D.3d 73 (1st Dept. 2017) ("*Lavery II*"). Those decisions use a number of incompatible conceptions of 'person' which, when properly understood, are either philosophically inadequate or in fact compatible with Happy's personhood. The undersigned have long-standing active interests in our duties to other animals. We reject arbitrary distinctions that deny adequate protections to other animals who share with protected humans relevantly similar vulnerabilities to harms and relevantly similar interests in avoiding such harms. We submit this brief to affirm our shared interest in ensuring a more just coexistence with other animals who live in our communities. We strongly urge this Court, in keeping with the best

philosophical standards of rational judgment and ethical standards of justice, to recognize that, as a nonhuman person, Happy should be released from her current confinement and transferred to an appropriate elephant sanctuary, pursuant to habeas corpus.

II. Summary of the Argument

The NhRP is challenging the lawfulness of the captivity of the elephant Happy.

As recently noted by the Supreme Court, Bronx County, the NhRP's goal is

to [change] 'the common law status of at least some nonhuman animals from mere 'things,' which lack the capacity to possess any legal rights, to 'persons,' who possess such fundamental rights as bodily integrity and bodily liberty, and those other legal rights to which evolving standards of morality, scientific discovery, and human experience entitle them.'

Breheny, at *2.

To date, the courts have decided against the NhRP, although without fully addressing whether any nonhuman animal is the sort of being who can enjoy habeas corpus relief. The central issue is whether the concept of 'personhood' applies to animals like Happy. In denying habeas corpus relief to Happy the court does not contest the scientific evidence of elephant agential and psychological capacities presented by NhRP, nor the facts of the case. Instead, it references appellate court decisions that the concept of 'personhood' cannot refer to nonhuman animals.

We write as a diverse group of philosophers who share the conviction that if the concept of 'personhood' is being employed by the courts to determine whether

to extend or deny habeas corpus relief, they should employ a consistent and reasonable definition of ‘personhood’ and ‘persons.’ We believe that the previous relevant judgments of the appellate courts applied inconsistent definitions of ‘personhood.’

In this brief, we argue that there is a diversity of ways in which humans (*Homo sapiens*) are ‘persons’ and there are no non-arbitrary conceptions of ‘personhood’ that can include all humans and exclude all nonhuman animals. To do so we describe and assess the four most prominent conceptions of ‘personhood’ that can be found in the rulings of the appellate courts:

1. Species Membership. This conception of personhood is arbitrary because it picks out one level of biological taxonomic classification, species, and then confers moral worth and legal status on members of one particular species, *Homo sapiens*. Attempts to justify this approach are self-defeating because they demonstrate that it is the various criteria used to defend this choice that are actually doing the moral work. These criteria invariably exclude some humans or include some nonhuman animals. This is because our species, like every other, is the product of gradual evolutionary processes that create an array of similarities between species and an array of differences within them.

2. **Social Contract.** This conception has been misconstrued by previous Courts as endowing personhood only on members of the social contract. Instead, social contracts make citizens out of persons. The exclusion of an individual (or a species) from the contract does not strip that individual (or species) of personhood. Social contract philosophers have consistently maintained that the characteristics that persons must possess to enter into social contracts are rationality (i.e., the ability to advance their own interests) and autonomy (i.e., the capacity for self-rule or self-governance). These capacities are reasonably ascribed to elephants like Happy.
3. **Community Membership.** This conception rests on the idea that personhood has a social dimension and is importantly linked to membership in the human community. On one view, to be a person is to be embedded in social relationships of interdependency, meaning, and community. Happy clearly meets this criterion: we have made her a part of our human community of persons. On another view, to be a person requires not just social embedding, but also the possession of certain psychological capacities, such as beliefs, desires, emotions, rationality, and autonomy. Again, these capacities are reasonably ascribed to Happy. On either view, she is a member of our community.

4. Capacities. This conception, which is endorsed by the NhRP, maintains that personhood rests on having certain capacities. Autonomy is typically considered a capacity sufficient (though not necessary) for personhood. Violations of autonomy constitute a serious harm. In light of the affidavits from elephant scientists, the lower court has affirmed that Happy is autonomous. As she qualifies as an autonomous being, Happy qualifies as a person.

Each of these different conceptions supports different reasoning regarding personhood. The first, species membership, is morally weak due to its arbitrary character. The other three, when properly understood, entail that Happy can qualify as a person. On these grounds we agree with the NhRP that it is unjust to deny Happy habeas corpus relief.

III. Argument

1. Species Membership

1.1 About the species membership criterion for ‘personhood’

The lower court recognizes that Happy exhibits “advanced analytic abilities akin to human beings,” that “[s]he is an intelligent, autonomous being who should be treated with respect and dignity, and who may be entitled to liberty;” yet it determines that she “is not a ‘person’ entitled to the writ of habeas corpus.” *Breheny*, at *10. In its argument, the lower court references *Lavery I*, which similarly

determined that chimpanzees are not ‘persons’ in part upon the species membership conception of personhood. By grounding its conclusions in the arguments of *Lavery I*, the lower court tacitly relies upon the species membership conception of personhood.

Historically, U.S. law, and in particular the ascription of rights and privileges, has made use of various biological categories. The biological traits and classifications that have been considered legally salient have changed significantly over time, keeping pace with both scientific and moral progress, and correcting some of the egregious errors of earlier scientific theories and political regimes. For instance, sex differences and the supposedly biological categories of race were once employed to determine who had basic legal rights, while maturity continues to inform when individuals attain various rights.

We endorse the idea that the biological sciences must inform legal practice, but we maintain that species membership alone cannot rationally be used to determine who is a person or a rights holder. The concept of ‘personhood,’ with all its moral and legal weight, is not a biological concept and cannot be meaningfully derived from the biological category *Homo sapiens*. Moreover, species are not ‘natural kinds’ with distinct essences; therefore, there is no method for determining an underlying, biologically robust, and universal ‘human nature’ upon which moral and legal rights can be thought to rest. Any attempt to specify the essential features

of ‘human nature’ either leaves out a considerable number of humans—often the most vulnerable in our society—or includes members of some other species. Finally, any attempt to justify the use of species membership (or any other biological classification) to confer personhood status, will inevitably draw on other criteria—such as the social contract, community membership, or psychological capacities—in which case it is these other criteria that are doing the moral work, rendering species membership itself irrelevant.

1.2 Species as a biological category

Species is only one level of biological classification that reflects what is sometimes called the ‘Tree of Life.’ The great insight of Charles Darwin was that the differences between species do not reflect the existence of essential characteristics, but instead are the product of a gradual process of natural selection. Darwin (1859) emphasized the diversity of organic populations, due to a slow accumulation of changes producing distinct varieties within a population and, eventually, new species.

The gradualism of evolution suggests there are no species essences: no set of properties both necessary and jointly sufficient for an organism to be a member of a particular species. There are three central reasons for this:

1. There is a great deal of similarity across species because all organisms on the planet are more or less closely related to each other. It is often

the case that the more closely two species are related, the more similar they tend to be, though there are countless exceptions to this rule due to convergent evolution.

2. There tends to be a substantial degree of natural variation among organisms within a particular species—a feature of populations ‘exploited’ by natural selection.
3. Species change over time—they evolve—so even if all members of a species shared some characteristic at one time, this would probably not be true of all their descendants, and it was definitely not true of all their ancestors.

These facts about the process of evolution and the character of living organisms create a fundamental problem for scientists studying the classification of organisms, referred to as the ‘Species Problem.’ Although evolutionary theory facilitates the grouping aspect of classification, offering a principled criterion for grouping organisms together—shared ancestry—it offers no clear criteria for the level at which to rank them. Whether an ancestral grouping should be considered a variety, subspecies, species, superspecies, subgenus, or genus can be an open question. While among sexual species interbreeding has often been used to define the boundaries of species groups, this is controversial and leads to its own set of problems and counterexamples (Mishler and Brandon 1987).

When understood as a biological classification, it is difficult to see why species, or indeed any other taxonomic category (such as subspecies, genus, family, order, and so on), should bear any moral weight, let alone be used as the grounds for conferring personhood status. Like other species categories, the biological category *Homo sapiens* cannot offer a sufficiently stable or consistent foundation for some core essence universally shared by all and only human beings, which is what is typically meant by ‘human nature’ (Hull 1986). Although there are capacities or relationships that may typically be shared by the members of a particular species that are morally relevant (as we discuss in later sections), it is those capacities, and not species membership per se that is relevant.

1.3 Convergent evolution

Many people believe that the more closely related to humans other animals are, the more likely they are to have ‘human-like characteristics’ that are considered relevant to personhood. This isn’t quite right. Certainly, general similarity tends to be shared by any species with its closest relatives and *Homo sapiens* is no exception. But it is a mistake to think that a human trait that most of our close relatives do not share cannot be shared with more distantly related animals. Consider bipedalism. While all primates other than humans are typically quadrupedal, we share our bipedalism with kangaroos, birds, and a number of extinct dinosaurs. This is explained through convergent evolution.

Convergent evolution identifies phenomena where distantly related species evolve similar traits, not because their shared ancestors had these traits but because their environmental challenges and ways of life are relevantly similar. A favorite example of convergence is the evolution of the camera type eye, which is now known to have evolved multiple times and is a trait that we share with very distant relatives, such as members of the order Octopoda (octopuses). Elephants are, of course, considerably more closely related to humans, so it is already more likely that they might share traits with us that are relevant to their being persons. However, as noted above, evolutionary proximity is only a suggestive indicator of greater general similarity between two species. Until we look, we cannot know whether elephants have characteristics that justify the conferral of personhood status. We need to judge individual animals, like Happy, on their own merits, informed by both the characteristics that appear to be typical of their species and what can be observed of them as individuals.

1.4 Conclusions regarding species membership

Efforts to identify a set of diagnostic traits both universal and unique to *Homo sapiens* invariably fail. Either they leave out some humans, or they include members of some other species. Using the biological category *Homo sapiens* to define ‘personhood’ and to determine who has legal status is arbitrary, and it makes little sense given what we know of evolutionary processes. Because efforts to justify using

species membership as grounds for conferring personhood invariably depend on appeals to criteria that are entirely separate and outside the realm of taxonomic classification, this suggests that species membership is, in fact, irrelevant.

The NhRP seeks to have Happy classified as a person based on the capacities she shares with other persons. If persons are defined as ‘beings who possess certain capacities,’ and humans usually possess those capacities, then being human can be used to predict with a degree of accuracy that a particular individual will also have those capacities and thereby be a person. But it is an arbitrary decision to use human species membership as a condition of personhood, and it fails to satisfy a basic requirement of justice: that we treat like cases alike. It picks out a single characteristic as the something that confers rights, without providing any reason for thinking it has any relevance to rights.

2. A social contract conception

The Third Department in *Lavery I* argues that “Reciprocity between rights and responsibilities stems from principles of social contract, which inspired the ideals of freedom and democracy at the core of [the US] system of government. Under this view, society extends rights in exchange for an express or implied agreement from its members to submit to social responsibilities. In other words, ‘rights [are] connected to moral agency and the ability to accept societal responsibility in exchange for [those] rights’.” 124 A.D.3d at 151 (citations omitted).

The influential social contract theories that emerged in Europe in the 17th and 18th centuries, and which inspired the language and ideals found in the US Constitution, would disagree with this statement for at least three reasons. These reasons are: (1) not all rights depend on the existence of a social contract, (2) the social contract does not produce ‘persons,’ and (3) personhood is not conditional on bearing duties and responsibilities.

2.1 Not all rights depend on the existence of a social contract

Among the most influential of social contract philosophers are Thomas Hobbes, John Locke, and Jean-Jacques Rousseau, who maintain that all persons have ‘natural rights’ that they possess independently of their willingness or ability to take on social responsibilities (Hobbes 1651; Locke 1698; Rousseau 1762). These rights, which we possess in the state of nature, include the right to absolute freedom and liberty. Upon contracting with our fellows, we do not become ‘persons’, but rather ‘citizens’; and we do not suddenly acquire rights, but rather give up our natural rights, sometimes in exchange for civil and legal rights.

Lavery I advances the argument that persons are those who have rights by virtue of their capacity to bear responsibilities. They acquire those responsibilities the moment they assent to an “express or implied” social contract. The social contract, according to this line of thought, is the mechanism whereby persons take up societal duties and responsibilities, receiving rights in exchange. But this is not

how political philosophers have understood the meaning of the social contract historically or in contemporary times.

Rousseau explicitly rejected the idea that the social contract gives rights to persons, proclaiming, “Man is born free, and everywhere he is in chains” (Rousseau 1762, Book 1, Chapter 1). These chains, for Rousseau, are self-imposed, forged by ourselves when we give up our natural rights and freedoms and place ourselves under the authority of another. The social contract ‘chains’ us. We find a similar argument in Hobbes. What we acquire with a social contract, according to Hobbes, are law and morality, not rights. In fact, in the act of creating a social contract, we give up nearly all of our natural rights, save one: the right to life. And what we receive in exchange for giving up all these rights are not new rights, but rather security in the form of the protection of the sovereign.

Locke believed that we form societies to protect the institution of private property. We make a compact to leave the state of nature and form a society because we have a shared interest in protecting our property, including our own bodies. In this transition from the state of nature to the state of civil society, we gain some valuable things, including laws, the executive power needed to enforce the laws, and judges to adjudicate property disputes. But we lose our previously held natural rights, including the right to protect ourselves by any means necessary and punish those who transgress against our property.

We ought not understand the social contract, therefore, in terms of the acquisition of rights, per se. Rather, we should think about it in terms of the acquisition of a single duty: to obey the law.

2.2 The social contract does not produce ‘persons’

In the philosophies of Hobbes and Rousseau, with the advent of the social contract we see the creation of an ‘artificial man’ (the sovereign or Leviathan), not a ‘person.’ This artificial man is an abstraction, since no real person could be literally composed of the rights and powers of others. Rousseau describes this ‘new person’ as a collective created only by a truly democratic social contract. Locke describes a ‘body politic’ to which contractors submit. The sole person or body created by the social contract, while important, is a mere abstraction, and by no interpretation an actual person.

The upshot of this is that social contracts create citizens, not persons. Citizens are individuals who are subject to the laws authorized by the contract. Notably, the U.S. Constitution mentions the term ‘persons’ fifty-seven times, but it does not define it. The 14th Amendment, however, distinguishes between persons and citizens. This is consistent with social contract theory, which holds that only persons can bind themselves through a contract and, in so doing, become citizens. While persons do not depend on a social contract, the social contract depends on persons who will be its ‘signatories.’

Social contract philosophers have been consistent about the characteristics that are necessarily possessed by persons who enter into social contracts: they are rational (i.e., capable of advancing their own interests) and autonomous (i.e., self-ruling or self-governing). Indeed, it is only because we are rational, autonomous persons that we can use these capacities to consent to another's authority over ourselves. But there is no reason to assume that only humans can meet this definition of the rational, autonomous person. Elephants possess the requisite characteristics. The Supreme Court, Bronx County, describes the elephant Happy as “an autonomous being” and “an extraordinary animal with complex cognitive abilities, an intelligent being with advanced analytic abilities akin to human beings.” *Breheny*, at *10. Happy, in other words, has the qualities social contract theories recognize as belonging to persons.

It follows from social contract theory that all contractors must be persons, but not that all persons must necessarily be contractors. There can be persons who are not contractors—either because they choose not to contract (e.g., adults who opt for life in the state of nature) or because they cannot contract (e.g., infants and some individuals with cognitive disabilities). Social contract philosophers have never claimed—not now, not in the 17th century—that the social contract can endow any being with personhood. The contract can only endow citizenship on persons who exist prior to the contract and agree to it. If persons did not exist before the contract,

there would be no contract at all since only persons can contract. Personhood, therefore, must be presupposed as a characteristic of contractors in social contract theories.

2.3 Personhood is not conditional on bearing duties and responsibilities

In *Lavery II*, the First Department claims that “nonhumans lack sufficient responsibility to have any legal standing.” 152 A.D.3d at 78. The Third Department in *Lavery I* also argued that, “unlike human beings, chimpanzees cannot bear any legal duties, submit to societal responsibilities or be held legally accountable for their actions,” and thus cannot have legal rights. 124 A.D.3d at 152.

The NhRP has argued that an entity is a ‘person’ if she can be the subject of rights or can bear legal and societal responsibilities. The reason for this broader understanding of ‘person’ is that not all persons can be held accountable for their actions and bear societal duties. Infants, children, and those found not guilty by reason of insanity cannot be held accountable and cannot bear legal or societal duties. They are, nonetheless, persons with legal rights. Bearing responsibilities is not a prerequisite of personhood.

At issue in the case of Happy is not whether she can bear legal duties or be held legally accountable for her actions, but whether she is a person and has legal rights. Among individuals, only those who are already legally recognized as persons can have legal duties and responsibilities. Things cannot. The personhood of

elephants, therefore, cannot be conditional on bearing legal duties and responsibilities, because being legally recognized as a person is and must be logically prior to bearing legal duties and responsibilities. The writ of habeas corpus challenges the status of ‘thing’ currently ascribed to Happy. The trial court has agreed that Happy is “more than just a legal thing, or property,” *Breheny*, at *10, just as Justice Fahey in *Nonhuman Rights Project Inc on Behalf of Tommy v. Lavery*, 31 N.Y.3d 1054, 1059 (2018) (Fahey, J., concurring) found that a chimpanzee is “not merely a thing.”

2.4 Conclusions regarding the social contract

While legal duties, legal accountability, and societal responsibilities are acquired by citizens under social contracts, neither the status of citizenship nor personhood depend on the ability to bear those duties and responsibilities. Many humans who are uncontroversially legally recognized as persons and citizens cannot bear those duties and responsibilities and cannot be held legally accountable for their actions. Therefore, whether or not Happy can bear legal duties and responsibilities, or be held legally accountable, is irrelevant to her legal status as a person. Secondly, social contracts do not create the rights associated with personhood. In agreeing to a social contract, we give up our natural rights in exchange for other societal benefits. Finally, social contract philosophers have consistently maintained that social contracts do not make us persons, but rather create citizens out of existing persons.

Personhood, and the requisite possession of autonomy and rationality, is a precondition of being party to a social contract. Indeed, it is hard to imagine how it could be otherwise. The trial court agreed that Happy is rational and autonomous, and thus, under a social contract view, she qualifies as a person.

3. Community Membership

3.1 A community membership conception of personhood

Noting that she is constrained by case law and legal precedent, Justice Tuitt finds in the decision of the Supreme Court, Bronx County that Happy is not a “person.” *Breheny*, at *10. Justice Tuitt's decision references *Lavery II* concerning the legal status of the captive chimpanzees Kiko and Tommy. In that decision, the First Department finds that humans who lack the ability to acknowledge legal duties and responsibilities, such as infants and comatose individuals, are still persons because such individuals are members of “the human community,” but since Kiko and Tommy are not members of the human community, they cannot be persons. 152 A.D.3d 78.

One interpretation of 'human community' puts the exclusive emphasis on 'human,' understood as a biological category, so that 'human community' is a synonym for 'members of the species *Homo sapiens*.' This interpretation amounts to the species membership view dismissed in Section 1.

A second interpretation puts the emphasis on 'community,' referring to membership in a community of which humans are members. On this view, personhood is not just grounded in discrete traits or capacities of individuals. Rather, personhood is something that we achieve through development and recognition within a community of individuals. This idea is captured in the Ubuntu philosophy of personhood stated as “I am because we are,” in which personhood arises from participating in the social life of a community of persons, or, as stated in a traditional Zulu saying, “a person is a person through other people” (Eze 2010: 94).

There are different ways of interpreting the idea of membership in a community of persons. We discuss two such views below—which we call Wide and Narrow—and show that on both of them, Happy should be seen as a member of a community of persons.

3.2 The Wide view

According to the Wide view, someone is a member of a community of persons because they are embedded in interpersonal webs of interdependency, trust, communication, and normative responsiveness (i.e., our behavior is informed by various norms). Persons do not exist as independent islands, floating free of each other.

On this view, children and individuals with cognitive disabilities are clearly persons even if they cannot enter into contracts or bear certain legal responsibilities.

The fact that they have guardians for certain legal purposes, far from disqualifying them from personhood, confirms that they are members of these webs of social connection. We all are dependent on others at some points in our lives, and interdependent at all times. Infants depend on their parents and caretakers to feed them, teach them a language, and help them to see the world from others' perspectives. Adolescents and some individuals with cognitive disabilities may not have all of the capacities of mature, developmentally typical adults, and may not have all of the moral duties and citizenship responsibilities that come with them, but they are embedded in the web of interpersonal relationships on which personhood rests.

The Wide view recognizes the psychological reality that our individual capacities and identities are formed in social interaction (and, by implication, it recognizes the profound harm caused by unlawful detention and denial of society). It also avoids the exclusionary tendencies of conceptions of personhood that require high thresholds of individual capacity. The Wide view has been endorsed in particular by philosophers of disability, who emphasize that individuals with cognitive disabilities, like everyone else, are persons because of their embeddedness in social relations (Kittay 2005; Silvers and Francis 2015; Arneil and Hirschman 2016). Personhood rights help to ensure that individuals are able to form and

maintain appropriate social bonds, while protecting them from the arbitrary power of others to detain, confine, neglect, or isolate them.

Happy is embedded in interpersonal webs of dependency, meaning, and care with other human persons, and so is part of a human community. When she was captured as an infant, humans denied Happy her membership in an elephant community. She has lived at the Bronx Zoo for four decades, and is a member of a human community and embedded in social relationships with humans, and so she, too, should be protected when others exercise arbitrary power over her. Happy remains a member of a community with humans because, however inadequate her care, she is dependent on her keepers for food, water and shelter, and, as evidenced by the NhRP lawsuit and this brief, there are humans who recognize her as part of the community. The fact that Happy is simultaneously the subject of instrumentalization and the subject of legal advocacy shows that her membership is disputed. But this has also been true for many humans seeking habeas corpus relief. Indeed, one of the functions of habeas corpus is to protect members of the community who are being treated as things.

In short, the Wide view accepts the link between personhood and community, but denies that community membership is exclusive to human beings, not least because we have in fact brought nonhuman individuals, such as Happy, into our community. Membership in a human community is available to any individual who

is embedded in the relevant relationships of interdependency and who would suffer if excluded from those relationships.

3.3 The Narrow view

One could adopt a less inclusive conception of community. On the Narrow conception, 'personhood-as-community-membership' requires persons to have traits that are more than sentience or vulnerability to harm, but less than the capacity to bear legal responsibilities. These traits may be biological or psychological.

Biological traits are exemplified by such properties or characteristics as having forty-six chromosomes or having human parents. This would be a return to the view that only members of the species *Homo sapiens* qualify for personhood, and, as argued in Section 1, restriction of personhood on the basis of species is arbitrary and unsupported by the biological sciences.

Psychological traits are mental capacities: having beliefs and desires, for example, or emotions, autonomy, and rationality. We will have more to say about such capacities in Section 4, where we will discuss the psychological capacities sufficient for personhood.

The key point for our purposes is that, as will be shown in Section 4, this Narrow view will include Happy as a person. She is clearly the kind of psychological being found in our community. As we note again, in her decision Justice Tuitt “recognizes that Happy is an extraordinary animal with complex cognitive abilities,

an intelligent being with advanced analytic abilities akin to human beings.” *Breheny*, at *10. While Happy is not a member of the species *Homo sapiens*, she is clearly relevantly similar to humans in the kind of psychological being she is, as it is reasonable to ascribe to her such psychological traits as beliefs, rationality, desires, emotions of care, as well as the capacity for autonomy.

3.4 Conclusions regarding community membership

The idea that personhood has a social dimension, and is importantly linked to membership in the human community, is familiar and plausible. However, we cannot simply assume that it excludes Happy.

If one accepts either the Wide or Narrow view of human community, Happy is a person. On the Wide view, to be a person is to be embedded in social relationships of interdependency, meaning, and community. Happy clearly meets this criterion: we have made Happy part of our human community of persons by embedding her within relations of care and intersubjective response, and rendering her vulnerable to forms of exclusion from this community. On the Narrow view, to be a person requires not just social embedding, but also the possession of certain basic, and familiar psychological capacities, such as beliefs, desires, emotions, rationality, and autonomy. It is reasonable to think that Happy has these capacities.

On either the Wide or Narrow view, Happy is a member of our community, and so is owed protection from the arbitrary power of others to define her social conditions.

4. Capacities

The decision of the Supreme Court, Bronx County does not dispute the claims made by elephant experts about the cognitive, affective, or behavioral capacities of elephants, whether free-living or captive. As we have already noted, Justice Tuitt also affirms that Happy is “an intelligent, autonomous being.” *Breheny*, at *10. Citing *Lavery I* and *Lavery II*, concerning the legal status of the captive chimpanzees Kiko and Tommy, Justice Tuitt notes that she is bound by the ruling that “animals are not ‘persons.’” *Breheny* at *10. Notwithstanding these previous rulings, it remains a fundamental claim made by the NhRP that the capacity for autonomy is sufficient for personhood. To defend the NhRP’s claim about autonomy, we provide a brief analysis of personhood that is consistent and ensures that all those human beings commonly regarded as persons remain so, but does not introduce ad hoc exclusions of other beings who also meet the criteria. If elephants possess the same relevant capacities that qualify humans as persons, then the reasonable conclusion should be that elephants are also persons.

4.1 Conditions of personhood

The philosopher John Locke described what it is to be a person this way: “a thinking intelligent being that has reason and reflection and can consider itself as itself, the same thinking thing in different times and places; which it does only by that consciousness which is inseparable from thinking and...essential to it” (Locke 1689, II. XXVII .9, p.280). Though Locke’s view is still influential, contemporary philosophical discussions of personhood tend to provide a more explicit breakdown of core capacities. Of those commonly listed, we find reference to autonomy (minimally, to act voluntarily or to control our behavior in light of our preferences or goals), emotions, linguistic mastery, sentience (the capacity for conscious awareness, sensation, pleasure, and pain), rationality, reflective self-awareness (that is, being aware of ourselves as ‘selves’), and reciprocity (e.g., Andrews 2016; DeGrazia 2007; Dennett 1988; Rowlands 2019).

There is no disputing the personhood of individuals who possess all of these capacities. However, there is no way to hold that possessing all of these capacities is necessary for personhood without excluding some humans who lack one or more of them. Furthermore, most of these capacities develop gradually in humans, so possession of them is not a clear-cut matter. Instead, to be a person one must have multiple personhood-making capacities, although which ones cannot be non-arbitrarily specified. Conceiving personhood in this way means that there is no

defensible minimum threshold of capacities that can definitively draw a line separating persons from near-persons or non-persons (DeGrazia 2007).

As noted earlier, the lower court ruling acknowledges the affidavits submitted by a number of respected elephant experts in support of the view that elephants share many relevantly similar characteristics with humans regarded as persons. Examples include self-awareness, with evidence from a mirror self-recognition study (e.g., Bates and Byrne Aff.). Importantly, of the three elephants involved in that study, Happy was the research subject in the experiment who demonstrated mirror self-recognition (Plotnik, de Waal, and Reiss 2006).

Evidence that elephants may have strong emotional bonds is found in their empathetic responses to others who are struggling or in distress. Such responses demonstrate expectations of normal elephant behavior, a recognition of another's need, and an understanding of what to do to meet those needs. Interestingly, their behavior markedly changes around others who have died (their vocalizations and movements are noticeably subdued), prompting experts to talk of "mourning" (e.g., Poole Aff.). Further evidence of emotional bonds includes having preferred community members or "friends" (de Silva, Ranjeewa, and Kryazhimskiy 2011). The elephant experts also agree that Asian elephants can engage in means-end reasoning to solve problems and cooperate to achieve a beneficial goal (evidence of both a level of rationality and intentional planning). These observations point to the

presence of goals, desires to satisfy goals, and preferences. That Asian elephants can control their behavior is demonstrated by a cooperative experiment referenced in the elephant experts' affidavits (Plotnik et al 2011). Such experimental results suggest a capacity for self-control and voluntary behavior. Given the evidence that elephants are autonomous, emotional, self-aware, sentient beings who have beliefs and desires, elephants fulfill the requirements for personhood on a capacities conception.

4.2 Personhood and autonomy

The NhRP's case is based on one particular capacity—autonomy—and this is for good reason. For one, it is a capacity that philosophers have historically associated with personhood. A traditional conception of personhood is framed in terms of autonomy where that capacity requires a great deal of cognitive sophistication. For example, it requires the ability to abstractly consider principles of action and judge them according to prudential values or rationality (see Johnson and Cureton 2017). This traditional conception has been criticized given that few humans engage in abstract reflection before every action, and yet we are still acting autonomously (as opposed to acting under the influence of a mind-altering substance or because of a compulsion). On the traditional view, humans would be rarely autonomous, and young children and some humans with cognitive disabilities would fail to be autonomous actors, despite appearances to the contrary.

To address this kind of worry, the bioethicist and philosopher Tom Beauchamp, together with the comparative psychologist Victoria Wobber, have suggested that an act is autonomous if an individual self-initiates an “action that is (1) intentional, (2) adequately informed...and (3) free of controlling influences” (Beauchamp and Wobber 2014). As the lower court has apparently affirmed by not contesting the claims in the affidavits provided by elephant experts, elephants such as Happy can act intentionally (they can respond intelligently to problems and act to achieve goals), and so they can satisfy (1). The elephant experts also note that elephants are born with “35% of their adult [brain] weight” (e.g., Moss Aff.). Coupled with a “[d]elayed development” (e.g., Moss Aff.), this shows the importance of learning to elephants’ flourishing in adulthood. They, like the chimpanzees on which Beauchamp and Wobber focus, must learn how to navigate complex physical and social worlds, and so satisfy (2). Whether elephants act free of controlling influences will depend on their environment and the options available to them, but there is no doubt that elephants can so act when they find themselves in contexts without autonomy-depriving controlling influences.

A second reason to focus on autonomy is that it is a cluster concept. As highlighted by Beauchamp and Wobber, it brings together capacities to act intentionally (which assumes capacities to form goals and direct one’s behavior) and to be adequately informed (which assumes capacities to learn, to make inferences,

and acquire knowledge through rational processes), each of which requires sentience. This means that an autonomous capacity requires other personhood capacities, namely sentience and rationality. So understood, evidence of autonomy is sufficient evidence of personhood. Thus, elephants qualify as persons on autonomy grounds alone.

4.3 Why elephant autonomy matters

A final reason for the NhRP's focus on autonomy is the concept's direct connection to ethics. Violating someone's autonomy is widely regarded as a harm. After all, autonomous individuals have a basic interest in exercising their autonomy, and to violate it is to violate a basic interest (Beauchamp and Childress 2001). This brings us to another point of contention in the cases involving the chimpanzees Kiko and Tommy, as noted by Justice Tuitt. The appellate court in *Lavery II*, relying on the Fourth Department in *Nonhuman Rights Project Inc ex rel Kiko v. Presti*, 125 A.D.3d 1334 (4th Dept. 2015), ruled that habeas corpus relief was unavailable to Kiko or Tommy because the NhRP is not seeking their release from captivity but rather their relocation to a suitable sanctuary. 152 A.D.3d at 79. Justice Tuitt seems to disagree with this way of thinking about the options on the table with regards to Happy. She uses terms like "solitary, lonely one-acre exhibit" to describe Happy's current housing in contrast to "an elephant sanctuary on a 2300 acre lot." *Breheny*,

at *10. This is a contrast in both social opportunities and space for movement and exploration.

Our discussion of autonomy provides a way to distinguish Happy's current captive conditions from those afforded her in a sanctuary. As noted by Justice Tuitt, Happy is currently housed alone in a relatively small space. An option is to have her moved to an appropriate elephant sanctuary. Should Happy be relocated to such a sanctuary, several things change: she will no longer be housed alone, she will have liberty to roam, explore, and forage, she will have the opportunity to develop and exercise typical elephant social capacities, all the while expanding her goals and preferences to reflect the greater opportunities afforded her. In Happy's current conditions of captivity, her interests in acting autonomously are violated. An appropriate sanctuary promises not only much greater liberty, but a setting where her autonomous capacities can be better respected (Stewart Aff.).

4.4 Conclusions regarding capacities

The NhRP argues that elephants are persons under a capacities approach to the concept of personhood. This reflects their view that this concept of personhood is already enshrined in law and that, as it stands, it applies to elephants just as it does to humans. Affidavits by a number of eminent elephant experts have attested to the fact that elephants possess the relevant capacities to qualify as persons, and the lower court has not disputed these claims. Importantly, a capacities account of personhood

makes no reference to species identity. It is no coincidence that contemporary philosophers writing on personhood using a capacities conception are open to the existence of nonhuman persons (Andrews 2016; Rowlands 2019). If elephants possess the relevant person-making capacities, whatever they might be, then logical consistency requires that they too qualify as persons. Given our discussion above, we think that there is only one inescapable conclusion: that on a capacities conception of personhood, Happy qualifies as a person.

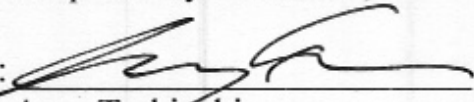
IV. Conclusion

In rejecting habeas relief for Happy, an elephant, the lower court referenced previous decisions concerning a different nonhuman species, chimpanzees. As we have argued, of the four conceptions of personhood contained in those previous decisions, species membership is arbitrary and must be rejected, while the other three imply that Happy is a person. This Court should recognize that when criteria for personhood are reasonable and consistently applied, Happy satisfies them and is entitled to habeas corpus relief.

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Respectfully submitted,

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