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ARB 316 C
University Honors
University of Tennessee
Knoxville, TN, USA

Employment

University of Tennessee, Knoxville, TN
August 2024—
Teaching Associate Professor
University Honors

August 2016—June 2020, August 2022—2024
Lecturer/Senior Lecturer
Department of Philosophy
Department of Ecology and Evolutionary Biology

Brown University, Providence, RI, July 2020—July 2022
Mellon Postdoctoral Research Associate in Philosophy
Department of Philosophy
Cogut Institute for the Humanities

University of North Carolina, Chapel Hill, NC, July 2015 – June 2016
Research Assistant Professor, Department of Philosophy
Philosophy, Politics, and Economics Program

New York University, New York, NY, August 2012 – July 2015
Assistant Professor-Faculty Fellow, Environmental Studies, Center for Bioethics

Education

University of Texas at Austin, Austin, TX, Ph.D., Philosophy, December 2012
Yale University, New Haven, CT, B.A., Philosophy, *cum laude*, May 2007

Research Specializations: Environmental Ethics, Philosophy of Biology/Ecology, Philosophy of Economics, Philosophy of Science, Science and Values/Research Ethics

Areas of Competence: Social/Political Philosophy, Normative Ethics, Metaethics, Bioethics, Philosophy of Medicine, Philosophy of Technology, Logic, Decision Theory

Publications in Philosophy

- “Ecosocialism, the Shallow and the Deep: Environmental Philosophy and the New Climate Left.” 2026. *Disruptive Innovations and the Environmental Crisis: Ethical, Practical, and Sociopolitical Concerns*, eds. D.S. Maier, J. Donhauser, M. Weber. Routledge.
- “Science and Values in the Biodiversity-Ecosystem Function Debate.” 2022. *Biology & Philosophy*.
- “What is the Environment in Environmental Health Research? Perspectives from the Ethics of Science.” 2021. *Studies in History and Philosophy of Science*.
- “Disagreement or Denialism? ‘Invasive Species Denialism’ and Ethical Disagreement in Science.” 2019. *Synthese*.

- “Ethics of The Scientist qua Policy Advisor: Inductive Risk, Uncertainty, and Catastrophe in Climate Economics.” 2017. Synthese.
- “Making Uncertainties Explicit: the Jeffreyan Value-Free Ideal and its Limits.” 2017. Exploring Inductive Risk, eds. Kevin Elliott and Ted Richards. Oxford.
- “‘Biodiversity’ and Biological Diversities: Consequences of Pluralism Between Biology and Policy.” 2016. Routledge Handbook for the Philosophy of Biodiversity, eds. Justin Garson, Anya Plutynski, and Sahotra Sarkar. Routledge.
- “Biodiversity, Conservation Biology, and Rational Choice.” 2014. Studies in the History and Philosophy of Biology and Biomedical Sciences.
- “Assessing Efficacy of ‘Neuroenhancing’ Drugs: Normative Problems in Empirical Controversies.” 2013. Designer Biology: The Ethics of Intensively Engineering Biological and Ecological Systems, eds. Ronald Sandler and John Basl. Lexington.
- “Conservation Biology: Ethical Foundations.” 2012. Nature Education Knowledge. Second author, with Sahotra Sarkar.

Reviews and Commentaries

- Review of Ben Almassi, Reparative Environmental Justice in a World of Wounds. 2024. Environmental Ethics.
- Review of Routledge Handbook of Biosecurity and Invasive Species. 2021. Biological Invasions.
- Review of A Guide to Field Philosophy: Case Studies and Practical Strategies. 2021. Metaphilosophy.
- “Logical Fallacies and Reasonable Debates in Invasion Biology: A Response to Guiaşu and Tindale.” 2019. Biology & Philosophy. First author, with D. Simberloff, J. Bush, A. Chuang, and C. Leppanen.
- “Sustainability for a Warming Planet.” (Book review) 2018. Ethics, Policy, and Environment.
- “On Joseph Spengler’s ‘Have Values a Place in Economics?’” 2015. Ethics.
- “Bad Conservation Research is Unethical Conservation Research: Comment on ‘Ethics of Species Research and Preservation’ by Rob Irvine.” 2013. Journal of Bioethical Inquiry.
- “Conservation Goals and Species Preservation: Uncertainty and Multiple Values.” (Commentary) 2013. Ethics, Policy and Environment.
- “Neuroeconomic Reductionism at Work? A Review of Paul Glimcher’s Foundations of Neuroeconomic Analysis.” 2011. Erasmus Journal for Philosophy and Economics.

Publications in Biology and Environmental Sciences

- “Circumventing regulatory safeguards: Laricobius spp. and biocontrol of the hemlock woolly adelgid.” 2019. Insect Conservation and Diversity. Second author, with C. Leppanen and D. Simberloff.
- “Media representation of hemlock woolly adelgid management risks: a case study of science communication and invasive species control.” 2019. Biological Invasions. Second author, with C. Leppanen, J. Lockyer, C. Fellhoelter, A. Cameron, B. Hardy, L. Smith, M. Clevenger, and D. Simberloff.
- “Asymmetrical Contributions to the Tragedy of the Commons and Some Implications for Conservation.” 2013. Sustainability. Second author, with Jennifer Jacquet and Christopher Schlottmann.
- “Group Decisions in Biodiversity Conservation: Implications from Game Theory.” 2010. PLoS ONE. First author, with Sahotra Sarkar.
- “Chagas Disease Risk in Texas.” 2010. PLoS Neglected Tropical Diseases. Third author, with Sahotra Sarkar, Stavara Strutz, Chissa-Louise Rivaldi, Blake Sissel, and Victor Sánchez-Cordero.

Manuscripts in Progress

- “Biological Invasions.” Handbook of the Philosophy of Ecology. Routledge.
“The Green New Deal Against Catastrophe: Towards a National Decarbonization Authority.”
Intended for edited volume Against Catastrophe.

Conference Presentations

- “Ecosocialist Planning for the 21st Century: the Green New Deal as Real Utopia.” October 2024, Planetary Design Reclaiming Futures, Ecosocialist Planning Panel, ICI, Berlin.
- “Let the Terminological Tempest Rage On? Conceptual Engineering and Pluralism in Invasion Biology.” October 2024, Aims, Norms, and Values in Scientific Classification for Biodiversity Conservation, KLI, Vienna.
- “Cooperation.” February 2022, Political Concepts, Brown University.
- “Biogeographic Origin and Conservation Decision-Making.” October 2021, Public Philosophy Network conference. (Virtual talk)
- “The Biogeographic Origin Debate in Invasion Biology: Ecological Science and Conservation Values.” July 2021, International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB) conference. (Virtual talk)
- “Ethics of Ecosocialism: Risk, Justice, and Care.” November 2020, BGSU Workshop in Applied Ethics and Public Policy. (Virtual talk)
- “Ethical Disagreement in Value-Laden Sciences.” Poster Presentation, April 2019, American Philosophical Association-Pacific Division.
- “Radical Pluralism in Environmental Ethics.” January 2018, International Society for Environmental Ethics session, American Philosophical Association-Eastern Division.
- “Ethics of the Scientist qua Policy Advisor: Catastrophe and Inductive Risk in Climate Economics.” March 2016, Climate Ethics and Economics Workshop, Duke University.
- “Biodiversity Value from Theory to Practice.” July 2015, International Society for Environmental Ethics, Kiel, Germany.
- “Pragmatic Encroachment and Objectivity in Forensic Psychiatry.” May 2015, Association for the Advancement of Philosophy and Psychiatry, Toronto, Canada.
- “Colony Collapse Disorder and Pesticide Regulation.” December 2013, American Philosophical Association-Eastern Division. International Society for Environmental Ethics.
- “Comments on Sahotra Sarkar’s Environmental Philosophy: From Theory to Practice.” March 2013, American Philosophical Association-Pacific Division.
- “Definitional Risk and ‘Biodiversity.’”
April 2013, Philosophy & Theory in Biology Symposium, CUNY-Lehman College.
April 2012, Science-Policy Interactions and Social Values, The Center for Values in Medicine, Science, and Technology at the University of Texas at Dallas.
- “Modeling Chagas Disease Risk in Texas: Idealization and Multiple Models for Use.”
December 2011, Philosophy of Epidemiology Conference, University of Johannesburg.
April 2011, Epistemology of Modeling and Simulation Conference, University of Pittsburgh.
- “Neuroeconomics, Reductionism, and Explanatory Extension: the Case of Utility.”
July 2011, International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB) conference, University of Utah.
- “Strong Reciprocity, the Folk Theorem, and the Division of Cooperative Labor.” June, 2011, Evolution, Cooperation, and Rationality II: Philosophical Perspectives. University of Bristol, UK.
- “Neuroeconomics and the Enhancement of Human Decision-making.”
April 2011, Exploring Human Enhancement: A Symposium, The Center for Values in Medicine, Science, and Technology at the University of Texas at Dallas.
- “Neuroeconomics as Metaphysics and Methodology: Perspectives from Philosophy and

Neuroscience.” November 2010, the International Network for Economic Method (INEM) conference at the University of Alabama at Birmingham.

Invited Presentations

- “Scopes at 100: Religious antievolutionism in Tennessee (and elsewhere).” September 2024. University of Tennessee, Knoxville. Undergraduate Anthropology Association.
- “Environmental Philosophy and the Green New Deal: Research in Normative Political Economy of Climate Change.” February 2024. University of Rhode Island.
- “Critical Perspectives on ‘AI Ethics.’” November 2023. University of Tennessee, Knoxville. Conference on AI and Reasoning.
- “Biology and Society: Syllabus and Demonstration.” May 2022. Arizona State University. (Virtual talk)
- “Ethics of Environmental Health Research.” May 2022. University of Arizona. (Virtual talk)
- “Two Cheers for Normative Ecology.” March 2022. Durham University. (Virtual talk)
- “What’s so Bad About Invasive Species? On the Environmental Philosophy of Invasion Biology.” March 2022, Queens College, CUNY. April 2022, Wellesley College.
- “A Field Guide to Values in Science for Biologists.” January 2022. MIT, Biology Department, Diversity, Equity, and Inclusion speaker series.
- “Ecosocialism, the Shallow and the Deep: Environmental Philosophy and the New Climate Left.” September 2021. Brown University, Cogut Institute for the Humanities Seminar.
- “Invasion Biology and the Ethics of Biodiversity.” May 2021. Brown University, Environmental Humanities at Brown Initiative. (Virtual talk)
- “What is the Environment in Environmental Health Research? Perspectives from the Ethics of Science.” February 2021. Brown University, Cogut Institute for the Humanities Seminar.
- “Ethics and Values in Invasion Biology.” October 2020. Pomona, Environmental Studies Guest Lecture. (Virtual talk)
- “Beyond Nativism? The Contested Ethical Foundations of Invasion Biology.” March 2020. Ethics Institute, Northeastern University. (Virtual talk)
- “Ethical Disagreement in Value-Laden Environmental Sciences.” January 2020. University of Hanover, Germany. (Virtual talk)
- “Disagreement or Denialism? ‘Invasive Species Denialism’ and Ethical Disagreement in Science.” August 2018, University of Tennessee, Department of Philosophy.
- “Pluralisms in Environmental Ethics.” February 2018, University of Dayton, Department of Philosophy.
- “Biological Diversities and Multiple Values.” September 2016, University of Tennessee, Knoxville. Department of Ecology and Evolutionary Biology Research Seminar.
- “Inductive Risk and Higher-Order Uncertainty.” Philosophy, Politics, and Economics Colloquium, University of North Carolina, Chapel Hill. August 2015.
- “From ‘War Amongst Ecologists’ to Uneasy Consensus: Science and Values in the Biodiversity-Ecosystem Function Debate.” August 2015, Ecological Society of America, session on “External Influences on Ecological Theory,” Baltimore, MD.
- January 2014, University of Tennessee, Philosophy of Conservation Biology graduate seminar.
- October 2013, New York University, New York History of Science Working Group.
- “Constructing Commensurability: Tradeoffs, Practical Rationality, and Common Scales of Value.” May 2014, New York Early Career Ethicists Working Group.
- “Colony Collapse Disorder, Pesticide Regulation, and Precaution.” April 2014, New York University, Food, Animals, and the Environment Seminar.
- “Children’s Environmental Health Ethics: Research Ethics and Environmental Justice.” March 2014 and March 2015, New York University, Children’s Environmental Health Seminar.
- “The Land Acquisition Priority System (LAPS): Constructing Commensurability for

Conservation Prioritization.” February 2013, Michigan State University.
“Environmental Justice: History, Concepts, and Controversies.” October 2012, New York University, Children’s Environmental Health Seminar.
“Ethical Controversies in Biodiversity Conservation: Ecological Ethics and Social Justice.” May 2012, New York University, Center for Bioethics, Environmental Studies.
February 2012, Cal Poly, Pomona, Department of Philosophy.

Interdisciplinary Research Activities

LUMA Design Thinking Practitioner Certification Training, June 2025.
Daniel Simberloff’s ecology laboratory, University of Tennessee, Knoxville, 2017-2020.
Research on ethics of biocontrol and philosophy of invasion biology.
Biodiversity and Biocultural Conservation Laboratory, University of Texas, Austin 2009-2012. Statistical analysis of incidence-based risk of Chagas disease in Texas, statistical analysis of distribution of mosquito vectors for dengue fever in Florida, game-theoretical and ethical analysis of conservation conflicts.

Awards

American Philosophical Association’s Routledge, Taylor & Francis Prize, 2018, awarded for “Ethics of The Scientist qua Policy Advisor: Inductive Risk, Uncertainty, and Catastrophe in Climate Economics.”
William Powers Jr. Fellowship, University of Texas at Austin, 2011-2012.
Billy Bob Draeger Graduate Research Fellowship in the Humanities, Spring 2011.
Professional Development Awards, Office of Graduate Studies, University of Texas at Austin, Spring 2011, Fall 2010.

Outreach and Community Engagement

Co-director, Tennessee High School Ethics Bowl, 2022-2023, 2023-2024, 2024-2025.
Shore Country Day School, 8th Grade English class, Zoom discussion of free will and determinism. April 2021.
Volunteer, Friends of Literacy, Knoxville, TN. August 2019-May 2020.
Veritas Forum presentation on objectivity and values in science. March 2018, University of Tennessee, Knoxville.
National High School Ethics Bowl judge. February 2019 and January 2017, Knoxville, TN and January 2016, Chapel Hill, NC.
UNC Philosophy, Politics, and Economics undergraduate reading group on Banerjee and Duflo, Poor Economics. Spring 2016, Chapel Hill, NC.
Discussion leader for session on ethics and biodiversity for North Carolina School of Science and Mathematics Ethics and Leadership Conference. November 2015, Chapel Hill, NC.
Presentation on honeybees, honeybee colony health and agricultural ecology. February 2014, Big Green Theater, PS 123, Brooklyn, NY.
Public talk, “The Ethics of Systematic Conservation Planning: Tradeoffs and Cooperation.” September 2011, University of Texas at Austin 2nd Annual Sustainability Symposium.

Courses

University of Tennessee, Knoxville, 2016-2020, 2022-
Environmental Ethics
Evolution and Society
Research Ethics

Life: Evolution, and Other Dangerous Ideas (Haslam Scholars Honors Course)
Introduction to Philosophy
Philosophy of Science
Contemporary Moral Problems
Ecological Ethics
Communicating the Science of Climate Change Biology
Theory and Methods in Ecology and Evolutionary Biology
Bioethics
Complex Problems and Human-Centered Design (University Honors)

Brown University, 2020-2022

Environmental Philosophy: Environmental Utopias
Philosophy of Biology

University of North Carolina, Chapel Hill, 2015-2016

Introduction to Ethics
Ethics and Economics
Philosophical Perspectives on Justice

New York University, 2012-2015

Ethics and the Environment
Philosophy of Environmental Sciences
Advanced Introduction to Environmental Ethics (M.A.)
Topics in Bioethics: Philosophy of Psychopathology
Topics in Bioethics: Environmental Health and Justice (M.A.)
Environmental Risk: Controversies at the Edge of Science and Policy
Research Ethics (M.A.)

Advising

New York University Center for Bioethics M.A. theses 2013-2015:

Marissa Silverberg, "Intersectional Food Security," 2015.
Caroline Song, "The Ethics of Organ Transplantation in the Cognitively Impaired,"
Parvita Panchal, "The Moral Psychology of Climate Change," 2014.
Katarina Lee, "The Exploitation of Women by Ova 'Donation',"
Austin Arrington, "The Ecology of Public Health: Environmental Education and
Engagement in Urban Communities,"
Salitah Qureshi, "Bioethics in a Non-Ideal World: Pakistan," 2013.

Service

VolCore Engaged Inquiries Subcommittee Member, 2025-.

Lecturer Review Committee (elected), 2023-2024. Department of Philosophy. University of Tennessee, Knoxville.

Research misconduct investigative committee, Office of Research Integrity, 2017-2019, University of Tennessee, Knoxville.

M.A. admissions committee, 2012-2015, New York University Center for Bioethics.

Faculty search committee, 2013-2014, New York University Center for Bioethics.

External reviewer: Philosophy of Science; Biology & Philosophy; Philosophy of Medicine; Environmental Ethics; European Journal for Philosophy of Science; History and Philosophy of the Life Sciences; Ethics, Policy, & Environment; Conservation Biology; BioScience; Critica; Bioethica Forum; Public Affairs Quarterly; Invasion Biology; Studies in History and Philosophy of Science; Philosophia; Nature + Culture.

Organizer, Howard Baker Center Environmental Forum, January 2017, University of Tennessee, Knoxville.

Memberships: American Philosophical Association, International Society for Environmental Ethics, SRPoiSE (Consortium for Socially Relevant Philosophy of/in Science and Engineering).

References

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