Cailin O'Connor

Department of Logic and
Philosophy of Science
University of California, Irvine
3151 Social Science Plaza A
Irvine, CA 92697-5100

Office: +1 949 824-3954
Home Office: +1 949 854-4224
Email: `cailino@uci.edu`
ORCID: 0000-0002-8351-2575
http://www.cailinoconnor.com

Areas of Specialty

Philosophy of biology and behavioral science. Philosophy of science. Game theory and evolutionary game theory.

Areas of Competence

Formal Social Epistemology. Decision theory and rational choice. Values in Science.

Academic Appointments

University of California, Irvine

Associate Professor of Logic and Philosophy of Science, 2018–Present.

Assistant Professor of Logic and Philosophy of Science, 2013–2018.

Member, Institute for Mathematical Behavioral Science, 2013–Present.

Visiting Positions

Visiting Fellow, Department of Philosophy, Australia National University, Summer 2017, Summer 2019 (planned).

Visiting Fellow, Department of Mathematics, Politecnico di Milano, Spring 2019.

Visiting Fellow, Center for Natural and Social Sciences, London School of Economics, Summer 2016.

Visiting Fellow, Center for Philosophy of Science, University of Pittsburgh, Fall 2015.

Visitor, Munich Center for Mathematical Philosophy, Ludwig-Maximillians Universitat, July 2013.

Education

Ph.D. Philosophy (LPS), *University of California, Irvine*, 2013. Dissertation: "Catgories, Generalization, and Vagueness"; committee: P. Kyle Stanford (UCI, co-chair), Brian Skyrms (UCI, co-chair), Jeffrey Barrett (UCI), Simon Huttegger (UCI).

A.B. Visual and Environmental Studies, *Harvard College*, 2006.
Cum laude.

Publications

Books

B2. "The Origins of Unfairness: Social Categories and Cultural Evolution." Oxford University Press, July 2019

B1. "The Misinformation Age: How False Beliefs Spread." with James O. Weatherall, Yale University Press, January 2019

Peer Reviewed Articles

A21. "Promoting Diverse Collaborations." with M. Schneider and H. Rubin. in *The Dynamics of Science: Computational Frontiers in History and Philosophy of Science.* Grant Ramsey and Andreas De Block eds., University of Pittsburgh Press. (forthcoming)

A20. "Experimental Economics for Philosophers." with H. Rubin and J. Bruner. *Methodological Advances in Experimental Philosophy.* E. Fisher and M. Curtis eds., in series, *Advances in Experimental Philosophy.* J. Beebe series ed., Bloomsbury Press: London (2019)

A19. "Inequity and Inequality in the Emergence of Norms." with C. Cochran. *Politics, Philosophy, and Economics.* doi:10.1177/1470594X19828371 (2019)

A18. "Dynamics and Diversity in Epistemic Communities." with J. Bruner. *Erkenntnis.* **84**(1), 101–119. doi: 10.1007/s10670-017-9950-y (2019).

A17. "The Emergence of Intersectional Disadvantage." with L. Bright and J. Bruner. *Social Epistemology.* **33**(1), 23–41. doi: 10.1080/02691728.2018.1555870 (2019)

A16. "How to Beat Science and Influence People: Policy and Propaganda in Epistemic Networks." with J. Weatherall and J. Bruner. *British Journal for the Philosophy of Science.* (2018). doi:10.1093/bjps/axy062

A15. "The Natural Selection of Conservative Science." *Studies in the History and Philosophy of Science A.* Special Issue on Creativity, Conservatism, and the Social Epistemology of Science. A. Currie ed. doi: 10.1016/j.shpsa.2018.09.007 (2018)

A14. "Scientific Polarization." with J. Weatherall. *European Journal for Philosophy of Science.* **8**(3), 855–875. doi: 10.1007/s13194-018-0213-9 (2018)

A13. "Discrimination and Collaboration in Science." with H. Rubin. *Philosophy of Science.* **85**(3), 380–402. doi: 10.1086/697744 (2018)

A12. "When it's Good to Feel Bad: Evolutionary Models of Guilt and Apology" with S. Rosenstock. *Frontiers in Robotics and AI.* doi: 10.3389/frobt.2018.00009 (2018)

A11. "David Lewis in the Lab: An Experimental Study of Signaling Conventions," with J. Bruner, S. Huttegger, and H. Rubin. *Synthese* **195**(2), 603–621. doi: 10.1093/bjps/axv038. (2018)

A10. "Games and Kinds." *British Journal for the Philosophy of Science.* doi: 10.1093/bjps/axx027 (2017)

A9. "Power, Bargaining, and Collaboration." with J. Bruner. *Scientific Collaboration and Collective Knowledge.* T. Boyer-Kassem, C. Mayo-Wilson, and M. Weisberg eds. Oxford University Press: Oxford (2017)

A8. "The Cultural Red King Effect." *The Journal of Mathematical Sociology* doi: 10.1080/0022250X.2017.1335723 (2017).

A7. "Evolving to Generalize: Trading Precision for Speed." *British Journal for the Philosophy of Science.* **68**(2), 389–410 (2017).

A6. "In Epistemic Networks, Is Less Really More?" with S. Rosenstock and J. Bruner. *Philosophy of Science* **84**(2), 234–252 (2017).

A5. "The Evolution of Guilt." *Philosophy of Science* **83**(4), 897–908 (2016).

A4. "Ambiguity is Kinda Good, Sometimes." *Philosophy of Science* **82**(1), 110–121 (2015).

A3. "Evolving Perceptual Categories." *Philosophy of Science* **81**(5), 840–851 (2014).

A2. "The Evolution of Vagueness." *Erkenntnis.* **79**(4), 707–727 (2014).

A1. "Deus Ex Machina: A Cautionary Tale for Naturalists," with N. Fulton, E. Wagner, and P. K. Stanford. *Analyse & Kritik.* **34**(1), 276–281 (2012).

Reviews

R3. "Black Holes, Black-Scholes, and Prairie Voles: an Essay Review of *Simulation and Similarity*" with J. Weatherall. *Philosophy of Science* **83**(4), 613–626 (2016).

R2. "Review of *Philosophy of Biology.*" *Philosophy of Science.* **82**(4), 731–733 (2015).

R1. "Review of *Darwinian Populations and Natural Selection.*" *Philosophy of Science* **79**(4), 598–593 (2012).

Other Articles

O3. "False Beliefs and the Social Structure of Science: Some Models and Case Studies" with J. Weatherall. in *Groupthink in Science.* David M. Allen and James W. Howell, Springer. (forthcoming)

O2. "Games, Guilt, and Evolution." *Emotions Researcher*, ISRE's Sourcebook for Research on Emotion and Affect, Andrea Scaratino ed. (2016).

O1. "Sexual Selection Studies: an NESCent Catalyst Meeting." with Joan Roughgarden and fifteen other interdisciplinary researchers. (2015).

Public Philosophy

P10. "The Information Arms Race Can't Be Won, But We Have to Keep Fighting," *Aeon.* (June 2019).

P9. "How Misinformation Can Spread Among Scientists," with J. Weatherall, *The Behavioral Scientist.* (April 2019).

P8. "Six Tips for Avoiding Misinformation on Social Media," with J. Weatherall, *Yale University Press Blog.* (March 2019).

P7. "The Misinformation Age, summary," with J. Weatherall, *Imperfect Cognitions Blog.* (March 2019).

P6. "Weaponizing Reputation," with J. Weatherall, excerpted from 'The Misinformation Age', *Yale Review.* **106**(4) (October 2018).

P5. "If Evolution Favours Fairness, Why Does Inequality Persist?" *The Forum for European Philosophy Blog*, Guest Post (November 2016).

P4. "Game Theory and The Walking Dead." *The Huffington Post Blog* (July 2015).

P3. "Strategic Learning and Discrimination in Academia" *Digressions and Impressions*, Guest Post (February 2015).

P2. "Are Women Worse at Math? It's Time to Stop Asking." *The Huffington Post Blog* (February 2015).

P1. "Life is Random." *Slate Magazine* (September 2014).

Works in Progress

Books

WB1. "Games in the Philosophy of Biology." in series, *Cambridge Elements in Philosophy of Biology.* G. Ramsey and M. Ruse series eds., Cambridge University Press: UK. (draft available, under review)

Papers

W1. "Communication Without the Cooperative Principle: A Signaling Experiment." with H. Rubin, J. Bruner, and S. Huttegger. (under review)

W2. "Modeling Minimal Conditions for Inequity." (under review)

W3. "Power by Association." with T. LaCroix (under review)

W4. "Do As I Say, Not As I Do, or, Conformity in Scientific Networks." with J. Weatherall (under review)

W5. "Methods, Models, and the Evolution of Moral Psychology." (under review)

W6. "On the Emergence of Minority Disadvantage: Testing the Cultural Red King Hypothesis." with A. Mohseni and H. Rubin (under review)

W7. "Endogenous Epistemic Factionalization." with J. Weatherall (under review)

W8. "The Dynamics of Retraction in Epistemic Networks." with T. LaCroix and A. Geil

Awards, Grants, and Honors

NSF Grant 1922424, co-PI J. Weatherall, "Consensus, Democracy, and the Public Understanding of Science," NSF Science, Technology, and Society Research Grant, $431,892, 2019-2022.

Selection for New York Times, Editor's Choice Reading List, "The Misinformation Age", January 2019.

Selection for Scientific American's Recommended Reading List, "The Misinformation Age", January 2019.

Selection for Oxford University Think Festival Reading List, "How to Beat Science and Influence People", 2018.

Honorable Mention, Philosophy of Science Association Women's Caucus Prize in Feminist Philosophy of Science, for "Discrimination and Collaboration in Science", 2018.

NSF Grant 1535139, "Social Dynamics and Diversity in Epistemic Communities," NSF Science, Technology, and Society Research Grant, $305,986, 2015-2019.

Justine Lambert Graduate Prize in the Foundations of Science, for "The Evolution of Vagueness," University of California, Irvine, 2013.

A. Kimball Romney Award for Outstanding Graduate Paper, for "The Evolution of Vagueness," University of California, Irvine, 2012.

NSF Graduate Research Fellowship Program, Honorable Mention, 2012.

Social Science Merit Fellowship, University of California, Irvine, 2010–2015.

Media Appearances/Coverage of Work

Vlasta Sikimic, interview in The Reasoner, vol 13, no 7-8 July-August, 2019.

NSW Breakfast, radio show ABC, interview about "The Misinformation Age", June 19 2019.

Erin Nash "Review of The Misinformation Age", British Journal for the Philosophy of Science, 2019.

Walter Veit "From Filmmaking to the Philosophy of Science", Psychology Today, Q&A, June 4, 2019.

Walter Veit "How to Avoid Falling Victim to Fake News", Psychology Today, Q&A, May 14, 2019.

"Facts Aren't Enough: The Psychology of False Beliefs", Hidden Brain, Interview about "The Misinformation Age", May 2019.

Mike Pesca, "Why Do Fools Fall in Love?", interview on Slate's The Gist podcast, April, 2019.

Deutschlandfunk radio show, interview with Anneke Meyer, April, 2019.

PBS's Open Mind, interview with Alexander Heffner, April, 2019.

Walter Veit "3 Reasons for the Rise of Fake News", Psychology today, Q&A, April 17, 2019.

Why? radio show, interview with Jack Weinstein about "The Misinformation Age", April 15 2019.

Inquiry, radio show WICN, interview with Mark Lynch about "The Misinformation Age", April 4 2019.

Evan Nesterak "When the Nerves of Knowledge Send False Signals", the Behavioral Scientist, Q&A about "The Misinformation Age", April 2, 2019.

Get the Funk Out, radio show KUCI, interview about "The Misinformation Age", March 11 2019.

"The Truth About Lies", the Colin McEnroe radio show (NPR), interview about "The Misinformation Age" with co-author, March 7 2019.

"Snakes, Pando in Trouble, Spreading Misinformation, Exploring a New Island", Constant Wonder radio show, about "The Misinformation Age", February 21 2019.

Kenneth Silber. "Fake People and Real Scandals", Splice Today, about "The Misinformation Age", February 14 2019.

Brian Gallaher and Kevin Berger. "Why Misinformation is About Who You Trust, Not What Your Think", Nautlius Magazine, Q&A about "The Misinformation Age", February 14 2019.

"Why Did So Many Americans Trust Russian Hackers' Election Propaganda?", NPR Morning Addition, about "The Misinformation Age", January 22 2019.

"Tips for Reading List: Why People Spread Fake News", The Indian Express, about "The Misinformation Age", January 23 2019.

"How Science Spreads: Smallpox, Stomach Ulcers, and 'The Vegetable Lamb of Tartary", Hidden Brain, Interview about "The Misinformation Age", January 2019.

"Why Fighting Fake News with Facts Might Not Be Enough", New York Times Book Review of "The Misinformation Age", January 2019.

The Sci Phi Podcast, episode 54, (interview about my work), January 2019.

"Fake News Spreads Because We Yearn to Conform", Pacific Standard, interview about "The Misinformation Age", 4 January 2019.

"The Guardian view on misinformation: a moral problem", The Guardian, about "How to Beat Science and Influence People", 26 October 2018.

"Gender disparities and the science of women in organizations and teams", Medium, NSF Social Media, 28 March 2018.

Emerging Technology Staff. "The tricks propagandists use to beat science", MIT Technological Review. about "How to Beat Science and Influence People", 22 January 2018.

"The Culture of Risk in Science", The Naked Scientist. 24 August 2017. (Interview for podcast)

Sanford, Kiki. "Minorities Groups Lose When They Collaborate with Power", Nautilus Magazine. Q&A article about "Power, Bargaining, and Collaboration", 6 February 2017.

"Women in Science: Past, Present, and Future", Forum for European Philosophy, London School of Economics. 27 September 2016. (90 minute panel discussion for public audience and podcast)

Public Lectures

L4. TBA. Illinois Wesleyan Founders' Day Convocation, University of Wesleyan, Illinois. (January 2020)

L3. The Misinformation Age. The Rottman Institute, University of Western Ontario, Ontario, Canada. (November 2019)

L2. TBA. University of Minnesota Public Lecture Series, University of Minnesota, Minneapolis, Minnesota. (September 2019)

L1. The Misinformation Age. Cazenovia Public Lecture Series, Cazenovia, NY. (May 2019)

Invited Talks

T64. The Subtleties of Industrial Propaganda. Boston Colloquium for Philosophy of Science, Boston University, Boston, MA. (December 2019)

T63. TBA. Deep Fakery: Mathematical, Cryptographic, Social, and Legal Perspectives, UCLA, Los Angeles, CA. (November 2019)

T62. TBA. Workshop on Misinformation, University of Zurich, Zurich, Switzerland. (October 2019)

T61. TBA. Department of Sociology, University of Zurich, Zurich, Switzerland. (October 2019)

T60. Faculty Panelist. Wonder Philosophy Workshop, UC Irvine, Irvine, CA. (September 2019)

T59. TBA. RFMP Workshop, University of Minnesota, Minneapolis, Minnesota. (September 2019)

T58. Making Science Propaganda Proof , Workshop on Misinformation, Australia National University, Canberra, Australia. (June 2019)

T57. Why Do Retractions Fail? , Department of Philosophy, Australia National University, Canberra, Australia. (June 2019)

T56. The Misinformation Age. Public Relations Boutigues International, Santa Monica, California. (June 2019)

T55. The Misinformation Age. Incubator for Media Education and Development, via Skype, Athens, Greece. (May 2019)

T54. The Cultural Red King Effect. Computational Philosophy Past and Future, Pacific APA, Vancouver, Canada. (April 2019, presented by co-author)

T53. Discrimination and Collaboration in Science. Workshop on Gender, Politecnico di Milano, Milan, Italy. (March 2019)

T52. The Science of Science. Scientific Models Lecture Series, Politecnico di Milano, Milan, Italy. (March 2019)

T51. Polarization and Factionization in Science. (keynote) Agent Based Models in Philosophy, Munich Center for Mathematical Philosophy. Ludwig-Maximilians Universität. Münich, Germany. (March 2019).

T50. The Misinformation Age. Rand Pardee Graduate Program, Santa Monica, CA. (March 2019)

T49. How to Beat Science and Influence People. Department of Philosophy, UCLA, California. (March 2019).

T48. The Cultural Red King Effect. Political Theory Workshop, UCSD, California. (January 2019).

T47. Testing the Cultural Red King. California Philosophy Workshop, UCLA Malibu Forest Station, California. (October 2018).

T46. How to Beat Science and Influence People. Descartes Center Colloquium Talk, Utrect, Netherlands. (October 2018).

T45. Formal Approaches to Social Epistemology. International Rationality Summer Institute 2018, Irsee, Germany. (September 2018).

T44. Formal Approaches to Social Epistemology. Summer Program for Women in Philosophy, UCSD, La Jolla. (August 2018).

T43. How to Beat Science and Influence People. (keynote) Conference on Computational Modeling in Philosophy, Munich Center for Mathematical Philosophy. Ludwig-Maximilians Universität. Münich, Germany. (June 2018).

T42. Discrimination and Collaboration in Science. Formal Social Epistemology Workshop, UC Irvine, Irvine, CA. (May 2018).

T41. Discrimination and Collaboration in Science. Identity, Cooperation, and Conflict, IMBS, UC Irvine, Irvine, CA. (April 2018).

T40. Discrimination and Collaboration in Science. Formal Epistemology and Social Networks, University of Lund, Lund, Sweden. (April 2018, Presented by co-author).

T39. Making Science Propaganda-Proof. Politics, Philosophy, and Economics Society Meeting, New Orleans, Louisiana. (March 2018).

T38. Evolving a Gendered Division of Labor. Politics, Philosophy, and Economics Society Meeting, New Orleans, Louisiana. (March 2018).

T37. The Dynamics of Inequity. Evolution of Social Behavior Workshop, University of Groningen, Groningen, Netherlands. (January 2018).

T36. How to Beat Science and Influence People. IMBS Colloquium, University of California, Irvine, Irvine, CA. (January 2018).

T35. How to Beat Science and Influence People. Department of Philosophy, University of California, San Diego, San Diego, CA. (October 2017).

T34. How to Beat Science and Influence People. Mind, Technology, and Society Seminar Series, University of California, Merced, Merced, CA. (October 2017).

T33. The Cultural Red King Effect. Tempo and Mode Seminar Series, Center for Macroevolution and Macroecology, Australia National University, Canberra, Australia. (August 2017).

T32. Dynamics of Inequity. Department of Philosophy, The University of Auckland, Auckland, New Zealand. (August 2017).

T31. Evolving Collaborative Networks. Department of Philosophy, Australia National University, Canberra, Australia. (August 2017).

T30. Dynamics of Inequity. Moral and Political Philosophy Seminar. Department of Philosophy, Australia National University, Canberra, Australia. (July 2017).

T29. Dynamics of Inequity. Department of Philosophy, Monash University, Melbourne, Australia. (July 2017).

T28. Modeling the Evolution of Moral Emotions. Awesome Workshop, Australia National University, Canberra, Australia. (July 2017).

T27. Writing Op-Eds: How and Why?, Pacific American Philosophical Association Meeting, Seattle, Washington. (April 2017).

T26. Risk and Collaboration. Risk and the Culture of Science - Do We Need a Maverick Room?, Center for the Study of Existential Risk, Cambridge, England. (April 2017).

T25. Games and Kinds. 10th Logos Barcelona Workshop of Naturalistic Theories of Intentionality, University of Barcelona, Barcelona, Spain. (December 2016).

T24. Games and Kinds. Department of Philosophy, University of Salzburg, Salzburg, Austria. (October 2016).

T23. Panel Participant. Women in Science Forum, London School of Economics, London, England. (September 2016).

T22. Games and Kinds. Popper Seminar, Department of Philosophy, Logic, and Scientific Method, London School of Economics, London, England. (September 2016).

T21. The Emergence of Bargaining Inequity. Choice Group, London School of Economics, London, England. (September 2016).

T20. The Emergence of Bargaining Inequity. Department of History and Philosophy of Science, University of Cambridge, Cambridge, England. (September 2016).

T19. "Evolutionary Behavioral Modeling" [lecture series]. MCMP Summer School on Mathematical Philosophy for Female Students. Munich Center for Mathematical Philosophy. Ludwig-Maximilians Universität. Münich, Germany. (July 2016).

T18. "Power, Bargaining, and Evolution". Colombia Workshop on Group Agency and Social Epistemology, Colombia University, New York, NY. (April, 2016).

T17. "Power, Bargaining, and Evolution". Institute for Mathematical Behavioral Studies, University of California, Irvine, Irvine, CA. (January 2016).

T16. "Dynamics and Diversity in Epistemic Communities". Minorities and Philosophy, CUNY, New York, NY. (December 2015).

T15. "Induction." Fundamental Concepts in Philosophy of Science Lecture Series, Politecnico di Milano, Milan, Italy. (November 2015).

T14. "The Evolution of Guilt". Department of Philosophy, Carnegie Melon University. Pittsburgh, PA. (November 2015).

T13. "Dynamics and Diversity in Epistemic Communities". Minorities and Philosophy, Carnegie Melon University, Pittsburgh, PA. (November 2015).

T12. "Dynamics and Diversity in Epistemic Communities". The Center for Philosophy of Science, University of Pittsburgh, Pittsburgh, PA. (September 2015).

T11. "Modeling the Evolution of Guilt." Philosophy Day, California State University, Long Beach, Long Beach, CA. (April 2015).

T10. "Guilt as an Individual Level Benefit". Philosophy of Science Conference, University of Southern California, Los Angeles, CA. (March 2015).

T9. "Evolution, Models, and Philosophy." Eastern American Philosophical Association Meeting, Philadelphia, PA. (December 2014).

T8. "Evolving to Generalize: Trading Speed for Precision." The Center for Philosophy of Science, University of Pittsburgh, Pittsburgh, PA. (December 2014).

T7. "The Evolution of Vagueness." 3rd CSLI Workshop on Logic, Rationality, and Intelligent Interaction. Stanford University. Stanford, CA. (May 2014).

T6. "Evolving Perceptual Categories." Department of Philosophy, Univsersity of Nevada, Las Vegas. Las Vegas, NV. (April 2014).

T5. "Evolving Perceptual Categories." Epistemology and Philosophy of Psychology Workshop, University of California, Riverside. Riverside, CA. (January 2014).

T4. "The Evolution of Vagueness." Department of Philosophy, University of Southern California. Los Angeles, CA. (October 2013).

T3. "Evolving Perceptual Categories." Department of Philosophy, Notre Dame University. South Bend, IN. (October 2013).

T2. "Evolving to Categorize." Munich Center for Mathematical Philosophy, Ludwig Maximillian University. Munich, Germany. (July 2013).

T1. "Evolving to Categorize." Department of Logic and Philosophy of Science, University of California, Irvine. Irvine, CA. (June 2013).

Referred Talks

RT31. "Inequity and Inequality in the Emergence of Norms." Philosophy of Science Association 2018 Biennial Meeting. Symposium: "The Origins of Convention and the Impact of Conventional Origins" Seattle, WA. (November 2018, symposium contribution, presented by co-author).

RT30. "Making Science Propaganda Proof." Philosophy of Science Association 2018 Biennial Meeting. Symposium: "Funding, Publication, and the Credit Economy in Science." Seattle, WA. (November 2018, symposium contribution).

RT29. "Power by Association." Canadian Philosophical Association. Montreal, Canada. (June 2018, presented by co-author).

RT28. "Power by Association." Fifth Conference of the Latin american Association for Analytic Philosophy. Villa de Leyva, Colombia. (May 2018, presented by co-author).

RT27. "The Cultural Red King Effect". The Generalized Theory of Evolution Conference. Dusseldorf, Germany. (January 2018).

RT26. "Discrimination and Collaboration in Science." The Fifth Conference of the European Network on Social Ontology. Lund, Sweden. (August 2017, presented by co-author).

RT25. "Discrimination and Collaboration in Science." Formal Models of Scientific Inquiry. Ruhr-University, Bochum, Germany. (July 2017, presented by co-author).

RT24. "Discrimination and Collaboration." Formal Epistemology Workshop. University of Washington, Seattle, Washington. (May 2017).

RT23. "Games, Evolution, and Intersectionality." Philosophy of Science Association 2016 Biennial Meeting. Symposium: "Formal Methods and Social Epistemology." Atlanta, GA. (November 2016, symposium contribution).

RT22. "The Evolution of Discriminatory Norms in Scientific Disciplines." The Science of Evolution and the Evolution of the Sciences. Leuven, Belgium. (October 2016).

RT21. "Games and Kinds." 8th Quadrennial Fellows Conference. Lund, Sweden. (August 2016).

RT20. "Cooperation Without the Cooperative Principle." Decisions, Games, and Logic. Ann Arbor, MI (July 2016, presented by co-author).

RT19. "In Epistemic Communities, Is Less Really More?" Formal Epistemology Workshop. Groningen, Netherlands (June 2016, presented by co-author).

RT18. "In Epistemic Communities, Is Less Really More?" Models and Simulations 7 Conference. Universitat de Barcelona. Barcelona, Spain (May 2016, presented by co-author).

RT17. "Communication Without the Cooperative Principle." Southwest Experimental and Behavioral Economics Conference. University of California, Irvine, Irvine, CA (May 2016).

RT16. "In Epistemic Communities, Is Less Really More?" Medical Knowledge in a Social World. University of California, Irvine. Irvine, CA. (March 2016, presented by co-author).

RT15. "Communication Without the Cooperative Principle." Experimental Philosophy Conference. Buffalo, New York (September 2015).

RT14. "The Evolution of Guilt: A Modeling Based Approach." Ninth Principia International Symposium, Florianopolis, Brazil (August 2015 [accepted contribution]).

RT13. "Communication Without the Cooperative Principle." International Society for the History, Philosophy, and Social Studies of Biology Meeting 2015. Montreal, Canada. (July 2015, presented by co-author).

RT12. "Strategic Thinking in Biology." International Society for the History, Philosophy, and Social Studies of Biology Meeting 2015. Symposium: "Evolutionary Modeling in Biology and the Behavioral Sciences 2." Montreal, Canada. (July 2015, symposium contribution).

RT11. "Evolving to Generalize." Conference on Agent Based Models in Philosophy, Munich Center for Mathematical Philosophy, Ludwig Maximillian University, Munich, Germany (December 2014).

RT10. "Modeling the Underrepresentation of Women in Academia." Conference on Feminist Philosophy of Science, Ghent University, Ghent, Belgium (November 2014).

RT9. "Guilt as a Signal." Philosophy of Science Association 2014 Biennial Meeting. Symposium: "Moral Emotions: Approaches, Origins, and Ethics." Chicago, IL. (November 2014, symposium contribution).

RT8. "Experimenting on Sim-Max Games." Experimental Social Science Laboratory Workshop. University of California, Irvine. Irvine, CA. (March 2014, presented by co-author).

RT7. "Learning Generalization: Trading Speed for Precision." Winter Quantitative Biology Meeting. Big Island, Hawaii. (February 2014).

RT6. "The Evolution of Learning Generalization." International Society for the History, Philosophy, and Social Studies of Biology Meeting 2013. Symposium: "Models of Functional Plasticity." University of Montpellier. Montpellier, France. (July 2013, symposium contribution).

RT5. "Perceptual Categorization." Games, Interactive Rationality, and Learning 2013. University of Lund. Lund, Sweden. (April 2013).

RT4. "David Lewis in the Lab: An Experimental Study of Signaling Conventions," with J. Bruner, S. Huttegger, and H. Rubin. Games, Interactive Rationality, and Learning 2013. University of Lund. Lund, Sweden. (April 2013, presented by co-author).

RT3. "Signaling Games and Categorization in Biological Systems." Philosophy of Science Association 2012 Biennial Meeting. Symposium: "Signals, Signaling Games, and Biological Behavior." San Diego, CA. (November 2012, symposium contribution).

RT2. "The Evolution of Vagueness." Games, Interactive Rationality, and Learning 2012. University of Lund. Lund, Sweden. (April 2012).

RT1. "Did the Development of Language Faculties in Humans Influence the Speed of Our Cognitive Evolution?" History and Philosophy of Biology in the Desert. Arizona State University. Phoenix, AZ. (February 2011).

Courses Taught

LPS 242: Philosophy of Climate Change (graduate seminar) Spring 2019.

LPS 91: The Philosophy of Sex (lower division course) Winter 2018, 2019.

LPS 242: Philosophy of Modeling (graduate seminar) Winter 2018.

LPS 242: Information Theory (graduate seminar) Spring 2017.

LPS 242: Formal and Empirical Approaches to Social Epistemology (graduate seminar) Spring 2016.

LPS H91: The Philosophy and Biology of Sex (honor's program seminar) 2016-present.

Soc Sci H1E: The Good Life (honor's program social science core course) Spring 2015-present.

LPS 242: Philosophy of Biology (graduate seminar) Winter 2015.

LPS 60: The Making of Modern Science (lower division course) 2014-2015.

LPS 242: Cultural and Genetic Evolution (graduate seminar) Spring 2014.

LPS 144/244: Evolutionary Game Theory (upper division/graduate lecture course) Spring 2014.

Professional Service

Area Editor, Ergo, 2019-present.

Poster Committee Chair, Philosophy of Science Association Meeting, Baltimore, 2019.

Faculty Organizer, Women and Academia Workshop, University of California, Irvine, May, 2019.

Program Committee Member, Biases in Science, MCMP, LMU Munich, Germany, April, 2019.

Poster Committee Member, Philosophy of Science Association Meeting, Seattle, 2018.

Organizer, Formal Social Epistemology Workshop, University of California, Irvine, May, 2018.

Program Committee Member, British Society for the Philosophy of Science Annual Meeting, University of Edinburgh, July, 2018.

Program Committee Member, Society for the Metaphysics of Science, Milan, Italy, August, 2018.

Chair, Selection Committee for the Philosophy of Science Association Women's Caucus Prize Symposium, 2018.

Program Committee Member, Reasoning and Argumentation in Science, Center for Advanced Studies, Ludwig Maximillian Universitat, Munich, Germany, May, 2017.

Member, Open Access Monograph Publishing Initiative, 2016-2017.

Member, Future Goals for the Philosophy of Science Women's Caucus Committee, 2016-2017.

Program Committee Member, British Society for the Philosophy of Science Annual Meeting, University of Edinburgh, July, 2017.

Program Committee Member, Formal Epistemology Workshop, University of Washington, Seattle, Washington, May, 2017.

Symposium Organizer, "Formal Methods and Social Epistemology," Philosophy of Science Association 2016 Biennial Meeting, November, 2016.

Board Member, Philosophy of Science Archive, 2015–present.

Mentor, The Job Candidate Mentoring Program For Women in Philosophy, 2015–present.

Selection Committee Member, Philosophy of Science Association Women's Caucus Prize Symposium, 2016.

Organizing Committee Member, "Games, Interaction, Rationality, Learning, and Semantics 2016," University of Lund, 2016.

Editor, Highlighted PhilosopHers on Science Visions blog, 2015–present.

Chair, Philosophy of Science Association Women's Caucus Celebrating Women Committee, Winter 2015.

Symposium Organizer, "Evolutionary Modeling in Biology and the Behavioral Sciences 1 and 2," International Society for the History, Philosophy, and Social Studies of Biology Meeting 2015, July, 2015.

Symposium Organizer, "Moral Emotions: Approaches, Evolution, and Ethics," Philosophy of Science Association 2014 Biennial Meeting, November, 2014.

Faculty Advisor, Hypatia Society for Graduate Women in Philosophy, University of California, Irvine, 2013–present.

Organizer, Southern California Philosophy of Biology Reading Group, 2013–2015.

Organizing Committee Member, Perspectives on Gender, University of California, Irvine, Fall, 2014.

Program Committee Member, Conference on Agent Based Models in Philosophy, Munich Center for Mathematical Philosophy, Ludwig Maximillian University, Munich, Germany, October, 2014.

Managing editor, *Philosophy of Science*, University of California, Irvine, January 2013–January 2014.

Organizing Committee Member, "Games, Interactive Rationality, Learning, and Signaling 2014," University of Lund, April, 2014.

Symposium Organizer, "Information and Plasticity," International Society for the History, Philosophy, and Social Studies of Biology Meeting 2013, July, 2013.

Program Committee Member, "Games, Interactive Rationality, and Learning 2013," University of Lund, April, 2013.

Symposium Organizer, "Signals, Signaling Games, and Biological Behavior," Philosophy of Science Association 2012 Biennial Meeting, November, 2012.

Founder and Organizer, Hypatia Society for Graduate Women in Philosophy, University of California, Irvine, 2010–2013.

Referee for: *National Science Foundation, Journal of Philosophy, Philosopher's Imprint, Australasian Journal of Philosophy, Oxford University Press, Games and Economic Behavior, Philosophy of Science, Synthese, Journal of the American Philosophical Association, The British Journal for the Philosophy of Science, Biology and Philosophy, Studies in History and Philosophy of Science,*

Philosophy & Theory in Biology, Southern Journal of Philosophy, American Philosophical Quarterly, Religion, Brain, and Behavior.

University Service

Graduate Evaluation Committee Member, Department of Logic and Philosophy of Science, University of California, Irvine, 2013–present.

Graduate Portfolio Committee Member, Department of Logic and Philosophy of Science, University of California, Irvine, 2013–present.

Admissions Committee Member, Philosophy, Political Science, and Economics Master's Degree, University of California, Irvine, May 2019.

Presenter, Ethics in the Modern World, University of California, Irvine, April 2019.

Hiring Committee Member, Jean Claude Falmagne Chair, University of California, Irvine, 2019.

Director, Politics, Philosophy, and Economics Master's Program, University of California, Irvine, 2018–present.

Committee Member, School of Social Sciences Committee on Faculty Diversity, Inclusion and Development, University of California, Irvine, 2018–present.

Director of Undergraduate Studies, Department of Logic and Philosophy of Science, University of California, Irvine, 2017–2018.

Admissions Committee Member, Department of Logic and Philosophy of Science, University of California, Irvine, 2013–present.

Presenter, LPS Graduate Student Career Day, University of California, Irvine, Spring 2016, Spring 2017.

Presenter, Campuswide Honors Program Fireside Chat, University of California, Irvine, Winter 2016, Winter 2017.

Presenter, Campuswide Honors Program Preview Day, University of California, Irvine, Fall 2016-2019.

Rough Sort Hiring Committee Member, Department of Logic and Philosophy of Science, University of California, Irvine, Fall 2015.

Hiring Committee Member, Department of Philosophy, University of California, Irvine, Fall 2014.

Colloquium Director, Department of Logic and Philosophy of Science, University of California, Irvine, July 2013–2018.

Prize Committee Member, Experimental Social Sciences Laboratory Workshop, University of California, Irvine, February 2014.

Graduate Student Supervision

Emma Cushman, (LPS) (portfolio advisor), 2019

Kaetlin Taylor, (LPS) (portfolio advisor), 2019

Esther Nikbin, (UCLA Philosophy) advancement committee (external member), 2019

Aydin Mohseni, (LPS) advancement committee (co-chair), Spring 2019, dissertation committee (co-chair)

Alysha Kassam, (LPS) advancement committee (chair), Spring 2019, dissertation committee (chair)

Calvin Cochran, (IMBS) advancement committee, Fall 2018, dissertation committee Summer 2019

Alberto Soto, (EEB) advancement committee, Fall 2018

Kino Zhao, (LPS) advancement committee, Spring 2018

Gerard Rothfus, (LPS) advancement committee, Spring 2018

Travis LaCroix, (LPS) advancement committee, Spring 2018

Jennifer Briner, (EEB) advancement committee, Spring 2017

Lindley Slipetz, (LPS) (portfolio advisor), 2017

Hannah Rubin, (LPS) advancement committee, Winter 2015, dissertation committee, Spring 2017

Sarita Rosenstock, (LPS) advancement committee, Spring 2016

Nathan Fulton, (Philosophy) advancement committee, Spring 2014, dissertation committee, Fall 2016

Bahattin Tolga Oztan, (IMBS) dissertation committee, 2014-2016

Rolf Johansson, (IMBS) advancement committee, Spring 2014

Justin Bruner, (LPS) advancement committee, Fall 2013

Affiliations

Philosophy of Science Association

International Society for the History, Philosophy, and Social Studies of Biology