

Rory Smead

Professor of Philosophy
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Academic Appointments

- Linda A. and Ronald L. Rossetti Professor for the Humanities and Director of the Rossetti Family Program for the Advancement of the Humanities, Northeastern University, 2017-present
- Professor, Dept of Philosophy & Religion, Northeastern University, 2024-present
- Undergraduate Program Director for Philosophy, 2022-present
- Associate Professor, Dept of Philosophy & Religion, Northeastern University, 2016-2024
- Assistant Professor, Dept of Philosophy & Religion, Northeastern University, 2010-2016
- Tutorial Fellow, Dept of Philosophy, Logic and Scientific Method, The London School of Economics & Political Science, 2009-2010
- Adjunct Faculty, Dept of Philosophy, California State University Northridge, 2008

Education

- Ph.D. Philosophy, University of California, Irvine, 2009
Thesis: Social Interaction and the Evolution of Learning Rules
Committee: Committee: Brian Skyrms (chair), Jeffrey A. Barrett, P. Kyle Stanford, Louis Narens, and Simon M. Huttegger
- M.A. Social Science, University of California, Irvine, 2008
- B.A. Philosophy (summa cum laude), University of Minnesota, Duluth, 2004

Areas of Specialization

Game and Decision Theory, Philosophy of Biology, Philosophy of Science, Philosophy of Economics

Areas of Competence

Formal Epistemology, Logic, Philosophy of Sport

Publications

Refereed Articles (*indicates all authors contributed equally)

- Fulker, Z., Forber, P., Smead, R., Riedl, C. (2024), "Spontaneous emergence of groups and signaling diversity in dynamic networks," *Physical Review E*, 109(1), 014309
- Bruner, J. P. and Smead, R.* (2022) "Tag-based Spite with Correlated Interactions," *Journal of Theoretical Biology*, 540, 111052

- Fulker, Z., Forber, P., Smead, R., Riedl, C. (2021), "Spite is Contagious in Dynamic Networks," *Nature Communications*, 12(1), 1-9
- Foley, M., Smead, R., Forber, P., Riedl, C. (2021) "Avoiding the Bullies: the Resilience of Cooperation among Unequals," *PLoS Computational Biology*, 17(4), e1008847
- Smead, R. & Forber, P. (2020),* "Convention and the Origins of Ownership," *Philosophy of Science*, 87(5), 884-896, <https://doi.org/10.1086/710626>
- Smead, R., & Forber, P. (2019),* "Signals and Spite in Fluctuating Populations," *Open Philosophy*, 2(1), 137-146
- Smead, R. (2019), "Sports Tournaments and Social Choice Theory," *Philosophies*, 4(2), 28
- Foley, M., Forber P., Smead, R., Riedl C. (2018), "Conflict and Convention in Dynamic Networks," *Journal of The Royal Society Interface*, 15(140), 20170835
- McLoone, B., Fan, W.L, Pham, A. Smead, R., Loewe, L. (2018), "Stochasticity, Selelection, and the Evolution of Cooperation in a Two-Level Moran Model of the Snowdrift Game," *Complexity*
- Smead, R., & Forber, P. (2016).* "The Coevolution of Recognition and Social Behavior," *Scientific Reports*, 6(1), 1-10
- Forber, P., & Smead, R. (2016),* "The Evolution of Spite, Recognition, and Morality," *Philosophy of Science*, 83(5), 884-896
- Smead, R. (2016), "On the Rationality of Inconsistent Predictions: The March Madness Paradox," *Journal of the Philosophy of Sport*, 43: 163-169
- Forber, P. and Smead, R.* (2015), "Evolution and the Classification of Social Behavior," *Biology and Philosophy*, 30(3), 405-421
- Smead, R. (2015), "The Role of Social Interaction in the Evolution of Learning," *The British Journal for the Philosophy of Science*, 66: 161-180
- Haydari, S. and Smead R. (2015), "Does Longer Copyright Protection Help or Harm Scientific Knowledge Creation?" *Journal of Artificial Societies and Social Simulation*, 18(2), 23
- Smead, R. (2014), "Deception and the Evolution of Plasticity," *Philosophy of Science*, 81(5): 852-865
- Smead, R., Sandler, R., Forber, P., and Basl, J. (2014), "A Bargaining Game Analysis of International Climate Negotiations," *Nature Climate Change*, 4(6):442-445
- Forber, P. and Smead, R.* (2014), "The Evolution of Fairness Through Spite," *Proceedings of the Royal Society Series B*, 281: 20132439
- McLoone, B. and Smead, R.* (2014), "The Ontogeny and Evolution of Human Collaboration," *Biology and Philosophy*, 29(4): 559-576
- Forber, P. and Smead, R.* (2014), "An Evolutionary Paradox for Pro-Social Behavior," *Journal of Philosophy*, 111(3): 151-166
- Smead, R. and Forber, P.* (2013), "The Evolutionary Dynamics of Spite in Finite Populations," *Evolution*, 67(3): 698-707
- Smead, R. (2012), "Game Theoretic Equilibria and the Evolution of Learning," *Journal of Experimental and Theoretical Artificial Intelligence* 24: 301-313
- Huttegger, S.M. and Smead, R.* (2011), "Efficient Social Contracts and Group Selection," *Biology and Philosophy*, 26: 517-531
- Smead, R. (2010), "Indirect Reciprocity and the Evolution of 'Moral Signals'," *Biology and Philosophy*, 26: 517-531

- Huttegger, S., Skyrms, B., Smead, R., and Zollman, K. (2010), “Evolutionary Dynamics of Lewis Signaling Games: Signaling Systems vs. Partial Pooling,” *Synthese*, 172: 177-191
- Smead, R. (2008), “Evolution of Cooperation in the Centipede Game with Finite Populations”. *Philosophy of Science*, 75: 157-177

Invited Articles

- Zucker, Julian, Daniel Rassaby, Aja Watkins, and Rory Smead. (2019). “Bargaining and Intersectional Disadvantage: Reply to O’Connor, Bright, and Bruner,” *Social Epistemology Review and Reply Collective* 8 (7): 1-8.
- Zollman, K. and Smead, R.* (2010), “Plasticity and Language: An Example of the Baldwin Effect?” *Philosophical Studies*, 147: 7-21

Book Chapters (Invited)

- Smead, R. (2014), “Evolving Games and the Social Contract,” in *Complexity and the Human Experience: Modeling Complexity in the Humanities and Social Sciences*, Paul Youngman and Mirsad Hadzikadic eds., Pan Stanford Press. Ch. 3, pp. 61-80

Reviews

- Watkins, A., and Smead, R.* (2020). review of *The Origins of Unfairness: Social Categories and Cultural Evolution*, Cailin O’Connor. *Economics and Philosophy*, 1-7. doi:10.1017/S026626712000005X
- Smead, R. and Sandler, R.* (2013), “Game Theory and the Ethics of Global Climate Change,” commentary on *A Perfect Moral Storm* by Stephen Gardiner, *Philosophy and Public Issues*, 3(1):13-23 (3000 words)
- Smead, R., (2013,) “Evolution and Apparent Irrationality,” commentary on *Evolution and Rationality*, Samir Okasha and Ken Binmore eds., *Studies in History and Philosophy of Biol & Biomed Sci.*, 44: 451-454 (4000 words)
- Smead, R. (2011), “Signals: Evolution, Learning, and Information,” review of *Signals: Evolution, Learning, and Information* by Brian Skyrms, *Philosophy of Science*, 78: 702-705 (1500 words)

Technical Reports

- Smead, R. and Zollman, K*. (2009), “The Stability of Strategic Plasticity,” Carnegie Mellon University, Department of Philosophy. Paper 104. Available at: https://kilthub.cmu.edu/articles/journal_contribution/The_Stability_of_Strategic_Plasticity/6492869/1

Public Scholarship

- Forber, P and Smead, R. (2018), "Punishment Isn't About the Common Good: It's About Spite," *Aeon Magazine*, November 9, 2018. Available at: <https://aeon.co/ideas/punishment-isnt-about-the-common-good-its-about-spite>

Work In Progress

- Forber, P. and Smead, R.,* *Vicious: The Social Dynamics of Harm*, Book project (proposal and outline completed, draft in progress)
- Bruner, J., and Smead, R., “Evolution, Correlation and Mixed Strategies” (under review)

- Smead, R., and Lee-Stronach, C.,* “The problem of interdependent conventions”
- Zucker, J., dLeeuwen, M., Rassaby, D., Smead, R., “Competitive Exclusion and Cooperation: A Game-Theoretic Approach”
- Smead, R., “Optimal Learning in Populations and Games”

Presentations

International Presentations (refereed)

- “The Problem of Interdependent Conventions” (presentation given jointly with Chad Lee-Stronach via Zoom), Small acts, big harms: Workshop on individual responsibility for collectively caused outcomes, Helsinki, Finland, 2021
- “Social Behavior and Evolving Games,” International Society for the History, Philosophy and Social Studies of Biology, part of the symposium on “Evolutionary Modeling in Biology and the Behavioral Sciences,” Montreal, Canada, 2015
- “Human Behavior and Evolutionary Models of Spite” (presentation given jointly with Patrick Forber), American Psychological Association, part of the symposium on “Prioritizing Harm: Spitefulness in Normative and Pathological Behavior,” Toronto, Canada, 2015
- “The Evolution of (Anti-) Social Behavior” (presentation given by co-author Patrick Forber), International Society for the History, Philosophy, and Social Studies of Biology, Montpellier, France, 2013
- “Group Selection and the Stag Hunt” (presentation given jointly with Simon Huttegger), Evolution, Co-operation and Rationality Conference, Department of Philosophy, University of Bristol, 2009

International Presentations (invited)

- Social Dynamics and the Evolution of Spite, lecture for the Behavior, Economics and Evolution program, University of Lausanne, Switzerland, 2024
- “The Problem of Interdependent Conventions” (presentation given via Zoom), Fudan University, China, 2023
- “Evolution of Fairness Through Spite” (presentation given by co-author Patrick Forber), Sydney-ANU workshop, Australian National University, 2013
- “Evolutionary Puzzles about (Anti-) Social Behavior (presentation given by co-author Patrick Forber), Australian National University, 2013
- “The Evolution of Norms in Structured Populations” (presentation given by co-author Simon Huttegger), Formal Ethics, LMU Munich, Germany, 2012
- “Evolution of Simple Learning Rules in Games,” Frontiers of Rationality and Decision Workshop, University of Groningen, Netherlands, 2012
- “Learning and Incentives in Common Problems,” 3rd Rationality and Decision Workshop, The London School of Economics, United Kingdom, 2011
- “The Evolution of Learning on Networks” (joint work with Jason McKenzie Alexander), Networks and Social Epistemology Workshop, Department of Philosophy, Logic, and Scientific Methodology, The London School of Economics, United Kingdom, 2010

National Presentations (refereed)

- “The Evolution of Bipartite Signaling”, (joint work with Patrek Forber), Philosophy of Biology at the Mountains, University of Utah, Salt Lake City, UT 2024.
- “Strategic Drift” (presentation given jointly with Patrick Forber), Philosophy and Biology Shop Talks, Westfield NC, 2023
- “The Power of the Dark Side: Evolutionary Routes to Spite”, University at Buffalo, Buffalo NY, 2023
- “The Problem of Interdependent Conventions”, University at Buffalo, Buffalo NY, 2023
- “Competitive Exclusion and Cooperation: A Game-theoretic Approach” (joint work with Julian Zucker, Myraeka d’Leeuwen and Daniel Rassaby), Philosophy of Biology at the Mountains – Appalachia, Westfield NC, 2022
- "Conflict, Convention, and the Origins of Ownership" (presentation given jointly with Patrick Forber), Philosophy of Science Association Biennial Meeting, Seattle, WA 2018.
- “Learning to Spite,” Society for Exact Philosophy, University of Connecticut, Storrs CT, 2018
- “Out of Spite? On the Evolutionary Origins of Punishment” (presentation given jointly with Patrick Forber), Society for Philosophy and Psychology, University of Michigan, Ann Arbor MI, 2018
- “Out of Spite? On the Evolutionary Origins of Punishment” (presentation given jointly with Patrick Forber), Philosophy of Biology at the Mountains, University of Utah, Salt Lake City UT, 2018
- “The Evolution of Spite, Recognition and Morality” (presentation given jointly with Patrick Forber), Philosophy of Science Association, Biennial Meeting, part of the symposium on “50 Years of Inclusive Fitness,” Chicago IL, 2014
- “Rethinking the Mutualistic Approach to the Evolution of Cooperation” (presentation given jointly with Patrick Forber), Philosophy of Biology at Madison Workshop, University of Wisconsin, Madison WI, 2014
- “The Evolution of Fairness Through Spite” (presentation given by co-author Patrick Forber), Evolution, Snowbird UT, 2013
- “The Co-Evolution of Deception and Plasticity,” South Carolina Society for Philosophy Conference, hosted by the College of Charleston, Charleston SC, 2013
- “Deception and the Evolution of Plasticity,” Philosophy of Science Association, Biennial Meeting, part of the symposium on “Signaling Within the Organism,” San Diego CA, 2012
- “Modeling Evolving Games,” Human Complexity Conference, University of North Carolina, Charlotte NC, 2012
- “Evolution of Spite” (presentation given jointly with Patrick Forber), American Philosophical Association, Pacific Division Meeting, Seattle WA, 2012
- “Game Theoretic Equilibria and the Evolution of Learning,” Epistemology of Modeling and Simulation Conference, University of Pittsburgh, Pittsburgh PA, 2011
- “Social Interaction and the Invasion of Adaptive Strategies,” Formal Epistemology Workshop, Carnegie Mellon University, Pittsburgh PA, 2009
- “The Reduction of Strategic Plasticity” (given jointly with Kevin Zollman), Formal Epistemology Workshop, University of Wisconsin, Madison WI, 2008
- “Evolution of Cooperation in the Centipede Game with Finite Populations,” North American Computing and Philosophy Conference, Loyola University, Chicago IL, 2007

National Presentations (invited)

- “Out of Spite: How Harmful Behavior may have Sowed the Seeds of Cooperation,” Mind, Technology and Society Seminar, UC Merced, Merced CA, 2017
- “Out of Spite: How Harmful Behavior may have Sowed the Seeds of Cooperation,” Dr. Wing-Chun Wong Memorial Lecture. Towson University, Baltimore MD, 2016
- “The Many Games of Climate Change,” Co-sponsored by the Midwest Philosophy Colloquium and the Sustainability Leadership Fellows. University of Minnesota, Morris, Morris MN, 2015
- “Evolution, Spite and Morality” (presentation given jointly with Patrick Forber), Midwest Philosophy Colloquium. University of Minnesota, Morris, Morris MN, 2015.
- “A Spiteful Wrench in the Works: How Spite Affects the Evolution of Social Behavior” (presentation given by co-author Patrick Forber), Carnegie Mellon University, Pittsburgh PA, 2014
- “The Evolution of Learning in Changing Games,” Social Dynamics Conference, University of California, Irvine CA, 2013
- “Evolutionary Puzzle about (Anti-)Social Behavior” (presentation given by co-author Patrick Forber), Arizona State University, Phoenix AZ, 2013
- “Two Evolutionary Models of Unconditional Spite,” Center for Formal Epistemology, Carnegie Mellon University, Pittsburgh PA, 2012
- “Deception and the Evolution of Plasticity,” Signaling and Meaning, workshop hosted by the Graduate Center, CUNY, New York NY, 2012

Local Presentations (refereed)

- “Social Dilemmas and the Evolution of Other-Regarding Preferences,” 29th International Social Philosophy Conference, The North American Society for Social Philosophy, Northeastern University, Boston MA 2012

Local Presentations (invited)

- “Formal Modeling in Philosophy,” Theoretical Organizational Models Society Conference & Summer School, Harvard Business School, Boston MA 2023
- “Signals, Spite and Punishment,” Marine Science Center Seminar, Northeastern University, Nahant MA, 2019
- “Spite, Inequity Aversion and Revenge,” STS Lunch Seminar Series, Tufts University Somerville MA, 2019
- “Out of Spite? The Evolutionary Interplay Between Pro- and Anti-Social Behaviors” (presentation given jointly with Patrick Forber), Cooperation Lab, Boston College, Boston MA, 2019
- “Learning to Spite and the Evolution of Envy,” Boston Area Social Cognition group, Tufts University, Somerville MA, 2018
- “Learning to Spite and the Evolution of Envy,” Faculty Works in Progress Series, College of Social Sciences & Humanities, Northeastern University, Boston MA, 2017
- “Out of Spite: How Harmful Behavior may have Sowed the Seeds of Cooperation,” Advanced Topics Seminar (Biology), Dept. of Biology, Providence College, Providence RI, 2017
- “Spite, Fairness and ‘Irrational’ Behavior,” Advanced Topics Seminar (Biology), Dept. of Biology, Providence College, Providence RI, 2014

- “A Spiteful Wrench in the Works: The Evolution of (Anti-)Social Behavior”, (presentation given by co-author Patrick Forber), Connecticut College, New London CT, 2014
- “Game Theory and Climate Change,” Boston Symposium on Economics, hosted by the Northeastern Economics Society, Northeastern University, Boston MA, 2012
- “Evolution of Spite” (presentation given jointly with Patrick Forber), Evo-Devo Seminar, Laboratory for Developmental Studies, Harvard University, Boston MA, 2011
- “Efficient Equilibria and Group-Structure,” Dept. of Mathematics, Brandeis University, Waltham MA, 2011
- “Game Theory and the Evolution of Learning,” Dept. of Mathematics, Northeastern University, Boston MA, 2011
- “Indirect Reciprocity and the Evolution of ‘Moral Signals’,” The Evolution of Psychological Categories, Institute for Mathematical Behavioral Sciences, University of California, Irvine CA, 2008
- The Reduction of Strategic Plasticity,” Robustness, Reliability and Evolution, Institute for Mathematical Behavioral Sciences, University of California, Irvine CA, 2009
- “Evolution of Cooperation in the Centipede Game with Finite Populations,” Irvine-Florence Workshop, University of California, Irvine CA, 2006

Grants and Awards

External Funding

- John Templeton Foundation, “The Emergence and Evolution of Goal-Directed Behavior in Collective Entities” 2024 (application has been conditionally approved as of 10/15/24, co-PI with Derek Skillings, Benjamin Allen and Patrick Forber, \$500,000 in total).
- National Endowment for the Humanities Summer Stipend, 2016 (received internal nomination from the NU Pre-proposal, NEH proposal not funded, \$6000)
- Brian Michael Goldberg Memorial Award for Outstanding Achievement by a Graduate Student in Computing and Philosophy, International Association for Computing and Philosophy 2007 (\$500)

Internal Funding

- Global Experience Office Faculty Fellowship for the 2021-2022 Dialogue of Civilizations. Funded \$8500 for planning and preparing the dialogue (note: Dialogue and Fellowship were postponed, and then declined due to the Covid 19 pandemic)
- Applied for the Northeastern CSSH Research Development Program Seed Grant, 2013, \$5000 (not funded)
- Visiting Scholar, Santa Fe Institute, Summer 2008, Funding Provided by the Institute for Mathematical Behavioral Sciences, University of California, Irvine (Approx. \$1500)
- Institute for Mathematical Behavioral Sciences Summer Research Grant, University of California, Irvine 2005, 2006, 2007, 2008 (\$500-1000 each year)
- Social Science Summer Research Grant, University of California, Irvine 2005, 2006, 2007 (\$2000 each year)
- Justine Lambert Prize in the Foundations of Science, Dept. of Logic & Philosophy of Science, University of California, Irvine 2007 (\$2000)
- Regents Early Career Fellowship, University of California, Irvine 2006 (Approx. \$4500 stipend, fee waiver)

Teaching and Advising

Courses (* = new course developed)

- *Ethics & Evolutionary Games, PHIL 2001: Fall 2023 (30 students) , Fall 2021 (24 students), Fall 2020 (24 Students), Spring 2020 (33 students), Fall 2019 (32 students), Fall 2018 (31 students), Spring 2016 (32 students), Fall 2013 (21 students)
- *Philosophy of Economics, PHIL 4550: Fall 2024 (19 students), Fall 2022 (12 students), Spring 2021 (14 students), Fall 2018 (14 students)
- *Introduction to Logic, PHIL 1115: Spring 2023 (92 students), Fall 2022 (94 students), Fall 2017 (52 Students), Fall 2016 (42 students), Fall 2015 (75 Students), Fall 2014 (72 students), Fall 2013 (49 students), Spring 2013 (30 students), Fall 2012 (49 students), Fall 2011 (49 students), Spring 2011 (49 students), Fall 2010 (50 students)
- Advanced Logic, PHIL 4515: Spring 2023 (13 students), Fall 2015 (19 Students)
- Philosophy of Science, PHIL 4510: Spring 2022 (12 students)
- *Scientific Approaches to Philosophy, PHIL 3360 (HONR 3310 prior to Spring 2022): Spring 2022 (18 students), Fall 2016 (18 students), Spring 2016 (19 students), Spring 2015 (19 students), Spring 2014 (19 students)
- *Paradoxes and Philosophy, INSH 2963: Intersession 2022 (2 credits, 6 students, course taught for extra compensation)
- *Ethics and Philosophy Through Sport, PHIL 1162: Fall 2021 (17 students)
- *Philosophy of Biology, PHIL 4555: Fall 2020 (13 students)
- *Altruism and Spite, HONR 1310: Fall 2019 (17 students)
- Theory of Knowledge, PHIL 4500: Fall 2016 (18 students)
- *Reason, Risk, & Evidence, PHIL 1114: Spring 2015 (31 students), Spring 2013 (30 students), Fall 2012 (39 students)
- *Science and Pseudoscience, PHIL 1105: Spring 2014 (22 students), Fall 2011 (40 students), Spring 2011 (39 students)
- Introduction to Philosophy (Honors), PHIL 1101: Fall 2014 (33 students)

Teaching Awards

Nominated for Northeastern's "Excellence in Teaching" Award in 2011, 2012 and 2014

Advising, Directed Studies, Other Teaching

- Director of the Rossetti Research Group 2017-current (8-12 students per semester)
- Advisor/Instructor for Student Research Project in Social Choice, "The Polarization Project", 8 students, Fall 2024
- PhD committee for Zach Fulker, Network Science 2022-2024
- Instructor for "Ethics of Emerging Technologies" Pre-College summer program at Northeastern, co-taught with Prof. John Basl and Prof. Meica Magnani
- Advisor for PEAK-award funded student research project on computational modeling in sports, 1 student, Fall 2023
- Guest Lecture on Knowledge & Simulation for Northeastern's Accelerate program, Summer 2021, 2022, and 2023
- Advisor for PEAK-award funded student research and honors interdisciplinary thesis on transformative preferences, 3 Students, Spring 2022
- Advisor for Student Research Project in Social Choice Theory, 5 students, Fall 2021
- Advisor for Honors Interdisciplinary Thesis Project, 1 student, Spring 2021

- Advisor/Instructor for Student Research Project in Evolutionary Game Theory, 3 students, Spring 2020
- Advisor/Instructor for Student Research Project in Social Choice, "The Primaries Project", 10 students, Spring 2020
- Instructor for "Humanity and Technology" in Northeastern's Accelerate Program, co-taught with Prof. Basl, Summer 2019
- Advisor/Instructor for Student Research Project in Social Choice, "The Cute Dog Project", 13 students, Spring 2019
- Directed Study in Social Choice, 3 undergraduate students, Spring 2018
- PhD committee for Michael Foley, Network Science, 2018-2021
- PhD committee (chair) for Shahram Haydari, Law and Public Policy, 2013-2018
- PhD committee for Claudia Larson, Political Science, 2014-2016
- Supervisor for undergraduate Honors Interdisciplinary Thesis 2016
- Supervisor for 1 teaching assistant Fall 2014, Fall 2015, Fall 2016, Fall 2017
- Supervisor for 3 undergraduate research assistants 2010-2015
- Directed Study in Philosophy of Science, 4 undergraduate students, Spring 2015
- Directed Study in Philosophy of Science, 2 undergraduate students, Spring 2014
- Directed Study in Agent Based Modeling, 1 graduate student, Summer 2 2013
- Directed Research in Game Theory, 1 undergraduate student, Spring 2012

Service to Northeastern University

Departmental Service

- Undergraduate Program Director for Philosophy 2022-current
- Faculty Mentor for Sina Fazelpour and Getty Lustila 2022-current
- Department Merit Committee 2020, 2023
- Lightning Talk as part of the department Faculty Research Blitz 2019, 2020, 2021, 2023
- Department Chair Search Committee (chair) 2021
- Faculty Search Committee 2019/2020
- Merit Policy Committee 2019
- Student and Teaching Evaluation Committee 2018-2019
- Department Curriculum Committee 2014-2019
- Faculty Search Committee 2012/2013
- Public Talk "Spite: The Evolutionary Puzzle of Harmful Social Behavior" for the Northeastern Ethics Institute, Fall 2012
- Faculty Search Committee 2010/2011
- Public Talk "The Evolutionary Puzzle of Altruism" for the Northeastern Philosophy Club, Fall 2010

College of Social Sciences and Humanities Service

- Director of the Rossetti Family Program for the Advancement of the Humanities (provides funding and support to students, working groups, and other programs for pursuing projects in the humanities)
- Member of the College Council 2014-2016, 2021-present
- Presentation for student Preview Day, "The Dog Project" 2019
- Interdisciplinary search committee for CSSH in cybersecurity, privacy, ethics and resilience (chair), 2017/2018

- Member of the sub-committees for revising the digital minors in Computational Social Science and Digital Humanities, 2018
- CSSH Dean's Leadership Fellow for interdisciplinary curriculum development, Fall 2016
- Public Talk "Game Theory and the Social Contract" for the Northeastern Economics Society, Fall 2011

University Service

- Video interview for the Northeastern Board of Trustees meeting about the Rossetti program; guest at the Board of Trustees reception 2022
- Student Group Talk "Mathematics and Philosophy", Northeastern Math Club, Fall 2020
- Served as a Commencement Marshall, Spring 2015, 2019
- University Talk, "Morality, Evolution and Irrationality" at the Networked for Life, Volunteer Leadership Summit, 2018
- Rossetti Lecture, "The Intersection of Science and Philosophy", 2018
- Referee for Northeastern Honors Interdisciplinary Thesis Proposal, 2018
- Gave a research lightning talk "Conflict and Cooperation in Dynamic Networks" at the NULab and Digital Scholarship Group Fall Welcome event, 2017
- Dean's Leadership Fellow, College of Social Sciences and Humanities, Northeastern University, 2016
- Public Talk "The Ethics of Science and the Science of Ethics" for the Northeastern Biology Club, Spring 2015
- "In the Classroom" article for the Northeastern Honors program about my seminar Scientific Approaches to Philosophy, Fall 2014
- Presented "Vicious Virtues: How Spite Promotes Fairness" at a Pizza and Profs event for the Northeastern University Honors Program, Spring 2014
- Presented, "The Higgs Boson and the Philosophy of Science," to members of the Northeastern University Scholars Program, Spring 2013
- "Good Vibrations," article for the "In My Experience" column, Northeastern Alumni Magazine, Fall 2011
- Research & Scholarship Expo Judge 2011 (served as replacement judge)

Service to the Discipline

Referee Service

Journal of Philosophy 2024
Philosophy of Science 2010-2024 (including PSA committee 2023-2024)
British Journal for the Philosophy of Science 2010, 2012-2019, 2022-2024
Theoretical Population Biology 2023-2024
Synthese 2013-2024
Proceedings of the Royal Society Series B 2021, 2024
Erkenntnis 2011, 2013, 2017-2018, 2022-2023
Analysis 2023
Communications Earth & Environment 2023
Economics and Philosophy 2015, 2023
Theoria 2019, 2023-2024
BioSystems 2023
Nature Communications 2022

Politics, Philosophy and Economics 2013, 2021-2022
Nature Climate Change 2015-2018, 2022
Philosophies 2019, 2022
Review of Symbolic Logic 2021
Philosophical Studies 2021
Biology and Philosophy 2011-2021
Mind 2020
European Journal for Philosophy of Science 2020
Studies in the History and Philosophy of Science Part C 2019-2020
IEEE Transactions on Cognitive and Developmental Systems 2019-2020
Climate Policy 2019
Cambridge University Press 2017
Biological Theory 2016-2017
Biology Letters 2014
Ethics and Behavior 2014
International Game Theory Review 2012
Minds and Machines 2012

Workshop and Conference Service

- Program Committee for the Philosophy of Science Association for the 2024 PSA meeting 2023-current
- Local Organizer for the Formal Epistemology Workshop, Northeastern University, 2023
- Faculty Mentor for Philosophy of Science Association's Underrepresented Philosophy of Science Scholar program 2022-current
- Commentator at the Information Ethics Roundtable, Northeastern University, 2023
- Poster Committee, Philosophy of Science Association Biennial Meeting, 2017, 2020/2021
- Workshop co-organizer, Networks and Social Epistemology, The London School of Economics, 2010
- On-site Conference Coordinator, Evolution, Game Theory and the Social Contract, Hosted by Department of Logic & Philosophy of Science, University of California, Irvine, 2009
- Session Chair, The American Philosophical Association Pacific Division, Vancouver 2009 and Pasadena 2008
- Conference Organizer, 6th and 7th Annual IMBS Graduate Student Conferences, Hosted by The Institute for Mathematical Behavioral Sciences, University of California, Irvine, 2008 and 2009
- On-site Conference Coordinator, Laguna Workshop in Honor of Brian Skyrms, Hosted by Department of Logic & Philosophy of Science, University of California, Irvine, 2008

Service to the Public

Consulting Service

- Consulted on concept plans for a "digital museum" at the Paul Revere Heritage Site in Canton, MA, Spring 2019

Media Relations

- Interviewed about inflation and inflationary psychology by the *Hartford Courant*, *Fox Business News*, and *La Presse* (Canada), 2022

- Interviewed by *Northeastern Global News* and *Northeastern News* for the articles:
 - “Should tennis star Jannik Sinner have been suspended for two positive doping tests?” (2024)
 - “Should athletes shake hands during war? A look at this year’s Wimbledon handshaking controversy” (2023)
 - “Is inflation creating a ‘new normal’ of high food prices?” (2022)
 - “How inflation is influencing the way we think and behave” (2022)
 - “Why would someone fake a hate crime?” (2022)
 - "As social norms shift, here's why the pandemic is more confusing than ever" (2021)
 - "The mask dilemma: No one wants to be that person" (2021)
 - "Someone walks by you not wearing a mask, what should you do?" (2020)
 - “Game Theory and Global Climate Talks” (2014)
 - “The Dark Side of Fair Play” (2014)
 - “How Climate Talks can be More Successful” (2014)
 - “Using Mathematics to Identify the Good Guys” (2010)
- Guest on the *Colin McEnroe Show*, WNPR Connecticut Public Radio, regarding research on spite, Fall 2014
- Interviewed for the *New York Times* article “Spite is Good. Spite Works,” Fall 2014
- Interviewed for the *Columbia Chronicle* article “Spite is the other side of fairness, study says,” Fall 2014
- Interviewed for the *Inside Science* article “Will US-China Climate Agreement Make Global Accord More Likely?” Fall 2014
- Interviewed for the *Scidev.net* article “Climate pact may depend on side deals by poor nations,” Fall 2014