

17. An impossibility theorem for base rate tracking and equalized odds (with Benjamin Eva, Shanna Slank, Reuben Stern). *Analysis*, 84(4), 778–787 (2024).
16. Peirce, pedigree, probability (with Tom Sterkenburg). *Transactions of the Charles S. Peirce Society*, 58(2): 138–166 (2022).
15. Identity and the limits of fair assessment. *Journal of Theoretical Politics*, 34(3): 415–442 (2022).
14. Distention for sets of probabilities (with Michael Nielsen). *Philosophy of Science*, 89(3): 604–620 (2022).
13. Uncertainty, equality, fraternity. *Synthese*, 190: 9603–9619 (2021).
12. Conglomerability, disintegrability, and the comparative principle (with Michael Nielsen). *Analysis*, 81(3): 470–478 (2021).
11. Counterexamples to some characterizations of dilation (with Michael Nielsen). *Erkenntnis*, 86(5): 1107–1118 (2021).
10. Persistent disagreement and polarization in a Bayesian setting (with Michael Nielsen). *The British Journal for the Philosophy of Science*, 72(1): 51–78 (2021).
9. On the possibility of testimonial justice (with Michael Nielsen). *The Australasian Journal of Philosophy*, 98(4), 732–746 (2020).
8. A hyper-relation characterization of weak pseudo-rationalizability. *Journal of Mathematical Psychology*, 99 (2020).
7. Weak pseudo-rationalizability. *Mathematical Social Sciences*, 104: 23–28 (2020).
6. Obligation, permission, and Bayesian orgulity (with Michael Nielsen). *Ergo*, 6(3): 58–70 (2019).
5. Another approach to consensus and maximally informed opinions with increasing evidence (with Michael Nielsen). *Philosophy of Science*, 86(2): 1–19 (2019).
4. Learning and pooling, pooling and learning (with Ignacio Ojea Quintana). *Erkenntnis*, 83(3): 369–389 (2018).
3. Probabilistic opinion pooling with imprecise probabilities (with Ignacio Ojea Quintana). *Journal of Philosophical Logic*, 47(1): 17–47 (2018).
2. Unanimous consensus against AGM? *Thought: A Journal of Philosophy*, 6(4): 222–231 (2017).
1. Conditional choice with a vacuous second tier. *Synthese*, 193(1): 219–243 (2016).

Invited

1. Comparative base rate tracking: ideals and preservation under pooling. Forthcoming, *Philosophy & Technology*.

Other

1. What's hot in mathematical philosophy column (with Michael Nielsen), *The Reasoner*, 12(10).

WORK IN PREPARATION

Books under Contract

- The bayesian approach to consensus and polarization (with Michael Nielsen). Under contract with Cambridge University Press Elements in Decision Theory series.

Journal Articles

- Paper on freedom and social norms. Under review.
- Paper on algorithmic fairness (with Michael Nielsen). Under review.
- Paper on sustainability. Unpublished manuscript.
- Paper on a puzzle for social rankings of norms (with Ryan Muldoon). In preparation.
- Confederacies of dunces: optimal decision rules for non-optimal groups. In preparation.
- Default libertarianism and the long term. In preparation.
- Three remarks on the most important issue in population ethics. In preparation.

FUNDING

FAIR ALGORITHMS ARTS & HUMANITIES RESEARCH & SCHOLARSHIP GRANT, 2024, KCL (£2,000)
FAIR ALGORITHMS RESEARCH MICROGRANT, 2023, KCL Digital Futures Institute (£1,300)
GLOBAL PRIORITIES RESEARCH GRANT, 2022, Effective Ventures (£9,881)
GLOBAL PRIORITIES RESEARCH GRANT, 2021–2022, Longview Philanthropy (€45,060)
CAMBRIDGE-LMU STRATEGIC PARTNERSHIP GRANT, Group on Decision Theory and AI (€15,840, €17,044)
CONFERENCE ORGANIZATION FUNDING, 2016–2017, Columbia Department of Philosophy (\$2, 800)
CONFERENCE ORGANIZATION FUNDING, 2015–2016, Columbia Department of Philosophy (\$2, 200)

AWARDS, HONORS, ETC.

JUNIOR RESEARCHER IN RESIDENCE, Center for Advanced Studies, LMU Munich, Winter 2020/2021
VISITING RESEARCHER, July 17–24, 2018, Center for the Study of Existential Risk, Cambridge University
KLUGE FELLOW, Columbia Undergraduate Scholars Program (CUSP), Fall 2015–Summer 2017
DAVID H. SIFF PHILOSOPHY OF SCIENCE AWARD, 2012–2013, 2014–2015, 2015–2016, 2017–2018, Columbia University
VISITING FELLOW, Munich Center for Mathematical Philosophy, LMU Munich, July 2015
SUMMER INSTITUTE ON BOUNDED RATIONALITY PARTICIPANT, 2014, Max Planck Institute
GEORGE JOHN BOWDERY MEMORIAL FELLOWSHIP (Columbia faculty nomination), 2012–2013, 2013–2014
FACULTY FELLOWSHIP, 2010–2015, Columbia University
NASSLLI FULL SCHOLARSHIP, 2012
SUMMER SCHOOL IN FORMAL EPISTEMOLOGY PARTICIPANT, 2010, University of Aberdeen
SUMMER SCHOOL IN LOGIC AND FORMAL EPISTEMOLOGY PARTICIPANT, 2008, Carnegie Mellon University
PHI BETA KAPPA, 2006, Emory University
JOHN AND KATE ALLEN SCHOLARSHIP, 2006–2007, Emory University
GOVERNOR'S SCHOLARSHIP, 2003–2007, Emory University
HOPE SCHOLARSHIP, 2003–2007, Emory University

SELECTED PRESENTATIONS

- SUFFICIENTARIAN SUSTAINABILITY

Fall 2025 PPE Society's Ninth Annual Meeting
Summer 2025 PPE Society London's First Annual Meeting

- NEW POSSIBILITIES FOR FAIR ALGORITHMS

Summer 2024 Northeastern Ethics & Epistemology Workshop (Invited)

- FURTHER FRUSTRATIONS IN ALGORITHMIC FAIRNESS

Fall 2023 St. Catharine's Session, KCL Annual Cumberland Lodge Retreat (Invited)

- CHOICE, FREEDOM, AND NORMS: OUTLINE OF A THEORY OF COERCIVE MENU EXPANSION

Spring 2025 Formal and Experimental Philosophy 4 (Invited)
Winter 2023 Normative Economics and Economic Policy Seminar (Invited)
Summer 2023 4th Lisbon International Conference on Philosophy of Science
Spring 2023 12th Oxford Workshop on Global Priorities Research (Invited)
Fall 2022 KCL Graduate Conference (Invited)

- IDENTITY AND THE LIMITS OF FAIR ASSESSMENT

Spring 2022 Annual KCL-UNC Workshop, UNC Chapel Hill (Invited)
Spring 2022 Colloquium, Department of Philosophy, University of Groningen (Invited)
Fall 2020 Center for Advanced Studies, LMU Munich (Invited)

- PATH INDEPENDENCE AND A PERSISTENT PARADOX OF POPULATION ETHICS

Spring 2022 Theory and Models Working Group, Emory University (Invited)
Winter 2021 Colloquium in Social and Political Philosophy, Mini-Workshop: Philosophy of Science Meets Normative Theory, LMU Munich (Invited)

- UNCERTAINTY, EQUALITY, FRATERNITY

Fall 2019 Memorial Conference in Honor of Isaac Levi, Columbia University (Invited)

- SUPPORT FOR GEOMETRIC POOLING

Fall 2021 27th Biennial Meeting of the Philosophy of Science Association, Baltimore
Summer 2019 British Society for the Philosophy of Science Annual Conference, Durham (presented by coauthor)
Spring 2019 Social Interaction in Epistemology and in Economics, CIBS University of Copenhagen (presented by coauthor)

- ON THE POSSIBILITY OF TESTIMONIAL JUSTICE

Summer 2019 Summer School on Mathematical Philosophy for Female Students, MCMP (Invited)
Spring 2019 Formal Epistemology Workshop (FEW), Turin
Summer 2018 Workshop on Induction and Probability, MCMP (Invited)

- OBLIGATION, PERMISSION, AND BAYESIAN ORGULITY

Fall 2018 26th Biennial Meeting of the Philosophy of Science Association, Seattle (presented by coauthor)
Spring 2018 Recent Work in the Philosophy of Probability and Conditionals, MCMP (Invited)

- POOLING AND LEARNING (AND LEARNING, AND LEARNING...)

Winter 2018 Southwest University, Institute of Logic and Intelligence, Chongqing, China (Invited)
Spring 2018 Decision, Rationality & Interaction Seminar, IHPST, Paris, France (Invited)

- PERSISTENT DISAGREEMENT AND POLARIZATION IN A BAYESIAN SETTING

Fall 2021 Symposium on Belief Polarization in Times of Coronavirus and Climate Change—Putting Theory into Practice, Tübingen (Invited)
Summer 2019 Workshop on Conditional Probability, MCMP (Invited)
Winter 2018 University of Bayreuth (Invited)
Fall 2017 Munich Center for Mathematical Philosophy (Invited)

- PROBABILISTIC OPINION POOLING WITH IMPRECISE PROBABILITIES

Winter 2016 Institute of Mathematical Sciences, Chennai, India (presented by coauthor)
Fall 2015 City University of New York, Graduate Center (presented by coauthor)
Summer 2015 Probability and Belief Workshop, University of Regensburg (Invited)

- SOME APPLICATIONS OF CONDITIONAL CHOICE (Poster)

Summer 2014 Max Planck Institute, Berlin

SELECTED COMMENTS

- COMMENTS ON DANIEL GRECO'S "CAN THE FRAGMENTATIONIST ACCEPT A FORMAL THEORY OF IRRATIONALITY?"

Winter 2025 Flow, UCLA

TEACHING EXPERIENCE

Instructor

Probability, Inference and Decision	University of Rochester	Fall 2025
Philosophy of Science	University of Rochester	Spring 2025
Seminar for Majors	University of Rochester	Spring 2025
BA Dissertation Seminar	King's College London	Spring 2024
Ethics and Uncertainty	King's College London	Fall 2023
MA Proseminar	King's College London	Fall 2023
First Year Research Seminar	King's College London	Spring 2023
Introduction to Philosophy II: Epistemology Element	King's College London	Spring 2023, 2024
Epistemology I	King's College London	Spring 2023, 2024
Political Epistemology	King's College London	Fall 2022
Advanced Research Seminar	King's College London	Spring 2022
Ethics, Evidence, and Policy	MCMP (LMU)	Winter 2021
The Wisdom of Crowds	MCMP (LMU)	Summer 2020
Distributive Justice	MCMP (LMU)	Winter 2019
Methodological Individualism	MCMP (LMU)	Summer 2019
Philosophy of Psychiatry	MCMP (LMU)	Winter 2018
Formal Methods II: Models and Simulations	MCMP (LMU)	Summer 2018–Summer 2021
Pragmatist Epistemology	MCMP (LMU)	Summer 2018
Decision Theory	MCMP (LMU)	Winter 2017, 2018, 2019
Philosophy of Statistics	MCMP (LMU)	Winter 2017
Pragmatist Epistemology	Columbia University	Summer 2016
CUSP Journey Seminar	Columbia University	Fall 2015 (×2)–Summer 2017
Critical Thinking	Georgia State University	Fall 2009, Spring 2010 (×2)

SERVICE

Profession

Isaac Levi Prize Jury (2023–)

PhilPapers Editor for the Algorithmic Fairness Category

External Examiner, Department of Philosophy, Logic and Scientific Method, LSE (2023–2024)

Referee

Journal. *AI & Society, Analysis, Dialectica, Economics and Philosophy, Ergo, Erkenntnis, International Journal of Approximate Reasoning, Journal of Logic and Computation, Journal of Logic, Language and Information, Journal of Mathematical Economics, Journal of Philosophical Research, Kriterion, Minds and Machines, Noûs, Philosophers' Imprint, Philosophical Studies, Philosophy & Technology, Philosophy of Science, Res Philosophica, Studies in History and Philosophy of Science, Synthese, The British Journal for the Philosophy of Science, The Journal of Philosophy, The Review of Symbolic Logic*

Grant. *Alexander von Humboldt Foundation, National Science Foundation (NSF)*

Department

Interim Director of Graduate Studies (Rochester) (Spring 2026)

Graduate Admission Committee (Rochester) (2025–2026)

Placement Officer (KCL) (January 2024 – March 2024)

Formal Methods Research Cluster Lead (KCL) (April 2022 – August 2024)

Deputy Undergraduate Exam Board Chair (KCL) (April 2022 – August 2024)
Steering Committee Rolling Member (KCL) (Winter 2022)
Curriculum Coordinator (MCMP)
Philosophy of Science Visitors Program (MCMP)
Postdoctoral Fellows Selection Committee (MCMP)
Columbia Colloquium Committee Graduate Student Representative (2015-2016)

Organization

AI and Human Values Working Group Manuscript Workshop (Rochester, 04.24.2026)
Memorial Conference in Honor of Isaac Levi (Columbia, 09.28.2019)
Workshop on Induction and Probability (MCMP, 09.17.18)
Conference on Computational Modeling in Philosophy (MCMP, 06.22.18–06.23.18)
Workshop on Probability and Learning (Columbia, 04.08.17)
Workshop on Group Agency and Social Epistemology (Columbia, 04.02.16)
Formal Philosophy Group (Columbia)

Conference Referee

ISIPTA 2021 (Granada, Spain, July 6-9)
The Eastern European Network for Philosophy of Science (EENPS) 2020 (Belgrade, Serbia, June 10-12)
ISIPTA 2020 (Ghent, Belgium, July 3-6)
Agent-Based Models of Scientific Inquiry: Prospects and Limitations (Bochum, Germany, March 21-22, 2019)
Computational Modeling in Philosophy (MCMP)
Columbia/NYU Graduate Student Conference
Georgia State Graduate Student Conference

MA Thesis Advisor

KCL	Philosophy of Simulations Feminism and Social Contract Theory
LMU	Decision Theory and Artificial Intelligence Decision Theory and Climate Modeling

BA Thesis Advisor

KCL	Algorithmic Fairness and Biased Evidence Decision Theory and Effective Altruism
LMU	Causation and the Network Theory of Mental Disorder

LANGUAGES, ETC.

- \TeX (Intermediate)
- German (Beginner)
- Russian (Formerly Intermediate)