

JACOB STEGENGA

~ Appointments

- 2024- Professor, *NTU Singapore*
- 2021-2024 Professor, *University of Cambridge*
- 2019-2021 Reader, *University of Cambridge*
- 2016-2019 Lecturer, *University of Cambridge*
- 2015-2016 Assistant Professor, *University of Victoria*
- 2012-2015 Assistant Professor, *University of Utah*
- 2011-2013 Banting Postdoctoral Fellow, *University of Toronto*

~ Secondary Appointments

- 2024- Senior Research Associate, *Centre for the Future of Intelligence, University of Cambridge*
- 2024- Quondam Fellow, Hughes Hall, *University of Cambridge*
- 2023-2024 Senior Fellow, *Leibniz University Hannover*
- 2024 Visiting Professor, *Università Degli Studi di Cagliari*
- 2022 Visiting Professor, *University of Ancona*
- 2018- Editor, *Elements in Philosophy of Science Book Series, Cambridge University Press*
- 2016-2024 Senior Fellow, Hughes Hall, *University of Cambridge*
- 2018-2019 Fellow, Excellence Initiative, *Université de Bordeaux*
- 2015 Fellow, Institute of Advanced Study, *Durham University*
- 2013- Senior Research Associate, *University of Johannesburg*

~ Education

- 2011 PhD, Philosophy, *University of California San Diego*
- 2005 MA, History & Philosophy of Science, *University of Toronto*
- 2003 MSc, Physiology, *University of Toronto*
- 1999 BA, Biology & Philosophy, *University of Victoria*

~ Publications

books

- (3) *Heart of Science*, 2026, University of Chicago Press
- (2) *Care and Cure: An Introduction to Philosophy of Medicine*, 2018, University of Chicago Press
- (1) *Medical Nihilism*, 2018, Oxford University Press

articles and chapters

- (45) "Fast Science" forthcoming, *The British Journal for the Philosophy of Science*
- (44) "Democracy, Consensus, and the Value-Free Ideal" (with Tarun Menon) forthcoming, *Routledge Handbook on Values in Science*, Ed. Richards and Elliott. Routledge
- (43) "Causal Inference from Clinical Experience" (with Hamed Tabatabaei Ghomi), *Philosophical Studies* 2025 182: 445-465
- (42) "Health, Disease, and the Medicalization of Low Sexual Desire: A Vignette-Based Experimental Study" (with others) 2025, *Ergo* 12: 8
- (41) "Development of a Novel Methodology for Ascertaining Scientific Opinion and Extent of Agreement" (with others), *PLoS ONE* 2024 19(12): e0313541
- (40) "Justifying Scientific Progress" *Philosophy of Science* 2024 91: 543-560
- (39) "The Validity of the Argument from Inductive Risk" (with Matthew Brown), *The Canadian Journal of Philosophy* 2023 53(2): 187-190
- (38) "Sisyphian Science: Why Value-Freedom is Worth Pursuing" (with Tarun Menon), *European Journal for Philosophy of Science* 2023 13:48

- (37) "The Difference-to-Inference Model for Values in Science" (with Tarun Menon), *Res Philosophica* 2023 100(4): 423-447
- (36) "The Natural Probability Theory of Stereotypes" *Diametros* 2025 83(22): 26-52
- (35) "Sex Differences in Sexual Desire" *Philosophy of Science* 2022 89(5): 1094-1103
- (34) "Conventional Choices in Outcome Measures Influence Meta-Analytic Results" (with Hamed Tabatabaei Ghomi), *Philosophy of Science* 2022 89(5): 949-959
- (33) "Viruses Without Borders and the Medical Research Agenda" 2022 *Int J Risk Saf Med* 33(3): 217-221
- (32) "Simulation of Trial Data to Test Speculative Hypotheses About Medicine" (with Hamed Tabatabaei Ghomi), 2023, *Advances in Experimental Philosophy of Medicine*, Bloomsbury
- (31) "Red Herrings about Relative Measures: A Response to Hoefler and Krauss" *Studies in History and Philosophy of Science* 2022 92: 56-59
- (30) "Evidence of Effectiveness" *Studies in History and Philosophy of Science* 2022 91: 288-295
- (29) "The Medicalization of Sexual Desire" *European Journal of Analytic Philosophy* 2021 17(2): 5-34
- (28) "Sensible Medicine—Balancing Intervention and Inaction During the COVID-19 Pandemic" (with others) *JAMA: The Journal of the American Medical Association* 2020 324(18): 1827-1828
- (27) "The Problem of New Evidence: P-Hacking and Pre-Analysis Plans" (with Zoe Hitzig) *Diametros* 2020 17(66): 10-33
- (26) "Response to Commentaries on *Medical Nihilism*" *Studies in History and Philosophy of Biological and Biomedical Sciences* 2020 81: 101274
- (25) "Pathways to Independence: A Plan to Produce and Use Trustworthy Evidence" (with others) *BMJ* 2019 367:l6576
- (24) "Robustness and Independent Evidence" (with Tarun Menon) *Philosophy of Science* 2017 84: 414-435
- (23) "Three Arguments for Absolute Outcome Measures" (with Jan Sprenger) *Philosophy of Science* 2017 84: 840-852
- (22) "Drug Regulation and the Inductive Risk Calculus" *Exploring Inductive Risk* (ed., Elliott and Richards), 2017 Oxford University Press, 17-36
- (21) "Absolute Measures of Effectiveness" (with Aaron Kenna) *Measurement in Medicine: Philosophical Essays on Assessment and Evaluation* (ed., McClimans), 2017, Rowman and Littlefield, 35-51
- (20) "New Directions in Philosophy of Medicine" (with others), *Bloomsbury Companion to Contemporary Philosophy of Medicine* (ed., Marcum), Bloomsbury, 2017, 343-367
- (19) "Measuring Harms" *Routledge Companion to Philosophy of Medicine* (ed., Solomon, Simon, and Kincaid), Routledge, 2017 342-352
- (18) "Hollow Hunt for Harms" *Perspectives on Science* 2016 24: 481-504
- (17) "Three Criteria for Consensus Conferences" *Foundations of Science* 2016 21: 35-49
- (16) "Population Pluralism and Natural Selection" *British Journal for the Philosophy of Science* 2016 67: 1-29
- (15) "Effectiveness of Medical Interventions" *Studies in History and Philosophy of Biological and Biomedical Sciences* 2015 54: 34-44
- (14) "Measuring Effectiveness" *Studies in History and Philosophy of Biological and Biomedical Sciences* 2015 54: 62-71
- (13) "Theory Choice and Social Choice: Okasha versus Sen" *Mind* 2015 493: 263-277
- (12) "Herding QATs: Quality Assessment Tools for Evidence in Medicine" *Classification, Disease and Evidence: New Essays in Philosophy of Medicine* (ed., Huneman, Silberstein, Lambert), Springer, 2015
- (11) "Down with the Hierarchies" *Topoi* 2014 33: 313-322
- (10) "Quality of Information in Clinical Research" *The Philosophy of Information Quality* (ed., Illari and Floridi), Springer, 2014 163-182
- (9) "Probabilizing the End" *Philosophical Studies* 2013 165: 95-112
- (8) "Evidence in Biology and the Conditions of Success" *Biology and Philosophy* 2013 26: 981-1001
- (7) "An Impossibility Theorem for Amalgamating Evidence" *Synthese* 2013 190: 2391-2411
- (6) "Rerum Concordia Discors: Robustness and Discordant Multimodal Evidence" *Characterizing the Robustness of Science* (ed., Soler), Springer, 2012 207-226
- (5) "Is Meta-Analysis the Platinum Standard of Evidence?" *Studies in History and Philosophy of Biological and Biomedical Sciences* 2011 42: 497-507

- (4) "The Chemical Characterization of the Gene: Vicissitudes of Evidential Assessment" *History and Philosophy of the Life Sciences* 2011 33: 105-127
- (3) "A Theory of Evidence for Evidence-Based Policy" *Evidence, Inference and Enquiry: Proceedings of the British Academy* (with Nancy Cartwright) 2011 171: 291-322
- (2) "'Population' is Not a Natural Kind of Kinds" *Biological Theory* 2010 5: 154-160
- (1) "Robustness, Discordance, and Relevance" *Philosophy of Science* 2009 76: 650-661

epidemiology articles

- (3) "Point Prevalence Survey for Healthcare-Associated Infections Within Canadian Adult Acute-Care Hospitals" *Journal of Hospital Infection* 2007 66: 243-248 (with others)
- (2) "Infection Control and Antimicrobial Restriction Practices for Antimicrobial Resistant Organisms in Canadian Tertiary Care Hospitals" *Am. J. of Infection Control* 2007 35: 563-8 (with others)
- (1) "The Role of Understaffing in Nosocomial Viral Gastrointestinal Infections on a General Paediatrics Ward" *Infection Control and Hospital Epidemiology* 2002 23: 133-136 (with others)

public writing & editorials

- (6) "Teaching Gentle Medicine" forthcoming, *Journal of Internal Medicine* (with others)
- (5) "Bias in Science Can and Must be Exposed" *Institute of Art and Ideas*, November 29, 2024
- (4) "Gentle Medicine Could Radically Transform Medical Practice" *Aeon*, May 13, 2020
- (3) "Fast Science and Philosophy of Science" *Auxiliary Hypotheses: BJPS Blog*, May 11, 2020. Translated into Persian and re-published in *Corona-Philosophy* (ed. Namazi and Monajemi) 2020: Narvan Danesh, Tehran pp. 75-91
- (2) "Do Antidepressants Work?" *Aeon*, March 5, 2019
- (1) "Medical Scientists and Philosophers Worldwide Appeal to EBM to Expand the Notion of 'Evidence'" (with others), *BMJ Evidence-Based Medicine*, 2020, 25: 6-8.

book reviews

- (11) *Seeing Things*, Robert Hudson, *Notre Dame Philosophical Reviews*, 2015
- (10) *The Art of Medicine: 2000 Years of Images and Imagination*, Anderson, Barnes, and Shackleton, *Metapsychology Online Reviews* 2014, 18(30)
- (9) *Curiosity: How Science Became Interested in Everything*, Phillip Ball, *J. Early Modern Cultural Studies* 2014 14(2): 108-112
- (8) *Philosophical Issues in Psychiatry: Nosology*, Kendler and Parnas, eds. *Metapsychology Online Reviews* 2013 17(15). Republished in *Logotherapy and Existential Analysis* (ed. Batthyány)
- (7) *Philosophers*, Steve Pyke. *Metapsychology Online Reviews* 2012 16(11)
- (6) *Scientific Understanding: Philosophical Perspectives*, De Regt, Sabina, and Kai, eds. *British Journal for the History of Science* 2011 44(4): 578-580
- (5) *William James at the Boundaries: Philosophy, Science, and the Geography of Knowledge*, Francesca Bordogna. *British Journal for the History of Science* 2010 43(1):130-131
- (4) *Beyond Sputnik: US Science Policy in the 21st Century*, Neal, Smith, and McCormick. *Science and Public Policy* 2010 37: 79-80
- (3) *Science Without Laws: Model Systems, Cases, Exemplary Narratives*, Creager, Lunbeck and Wise, eds. *British Journal for the History of Science* 2009 42(4): 626-628
- (2) *Genesis Redux: Essays in The History and Philosophy of Artificial Life*, Jessica Riskin, ed. *British Journal for the History of Science* 2009 42(3): 437-438
- (1) *The Philosophy of Experimental Biology*, Marcel Weber. *Erkenntnis* 2009 71(3): 431-436

~ Talks

- "New Dogmas of Empiricism"
- 2025 *Inter-University Centre Annual Philosophy of Science Conference*, Dubrovnik, Croatia
- 2025 *NTU Ethics and Epistemology Workshop*, Singapore
- "Public Health Guidance: Epistemic and Ethical Considerations"
- 2025 *Lungs on Fire Speaker Series*, Vancouver, Canada
- "Commentary: C. Mantavinos' The Constitution of Science"

- Book Workshop, Athens, Greece*
- 2025 “Simulating Knowledge and Expertise in Psychiatry”
Springfield Hospital, London, UK
- 2025 “Inference and Expertise: A Simulation”
Formal Epistemology Workshop, Reykjavik, Iceland
- 2025 *European Society for Philosophy of Science, Groningen, Netherlands*
- 2025 *British Society for Philosophy of Science, Glasgow, UK*
- 2025 *Philosophy of Medicine Roundtable, London, UK*
- 2024 “Proportionality and Inductive Risk in the Fog of War”
Keynote Lecture, Croatian Society for Analytic Philosophy, Rijeka, Croatia
- 2024 *Plenary Lecture, Ukraine Ministry of Science and Education, Kharkiv, Ukraine*
- 2024 *University of Twente, Enschede, Netherlands*
- 2024 “Heart of Science”
Keynote Lecture, Croatian Society for Analytic Philosophy, Rijeka, Croatia
- 2024 “Commentary on Mikkel Gerken’s Scientific Testimony”
University of Cologne, Cologne, Germany
- 2024 “The Epistemic Status of Pre-Registration”
The Royal Society, Workshop on Pre-Registration, London, UK
- 2024 “Truth is a Nirvana Norm”
Philosophy of Science Association, New Orleans, USA
- 2024 “Deontic Philosophy of Science”
Groningen-Hannover Workshop on Philosophy of Science, Hannover, Germany
- 2024 “Judging Science”
Ruhr University Bochum, Bochum, Germany
- 2024 *Czech Academy of Science, Prague, Czech Republic*
- 2024 *Groningen University, Groningen, Netherlands*
- 2024 *Inter-University Centre Annual Philosophy of Science Conference, Dubrovnik, Croatia*
- 2024 *Philosophy of Science Colloquium (Vitforum), Trondheim, Norway*
- 2024 “Medical Nihilism, Five Years On”
Università Degli Studi di Cagliari, Cagliari, Italy
- 2024 *Norwegian University of Science and Technology, Trondheim, Norway*
- 2024 “Philosophy for Medicine”
Leibniz University Hannover, Hannover, Germany
- 2024 *Università Degli Studi di Cagliari, Cagliari, Italy*
- 2023 “Prize Praise and Prize from Priority”
Bielefeld University, Bielefeld, Germany
- 2023 *Cambridge-LMU Joint Workshop on Philosophy of Science, Cambridge, UK*
- 2024 “‘The Drug Worked for Me’ ... but did it?” (with Hamed Tabatabaei Ghomi)
Philosophy of Psychiatry Seminar, Institute of Social Sciences, Belgrade, Serbia
- 2024 *Social, Ethical, and Deontological Problems of Modern Medicine, Zaporizhzhia, Ukraine*
- 2024 *Philosophy of Medicine: New Approaches, Aarhus, Denmark*
- 2023 *Centre for Mental Health, Human Rights, and Social Justice, Essex University, Colchester, UK*
- 2023 *National University of Singapore, Singapore*
- 2024 “Norms of Scientific Assertion”
Bulgarian Academy of Science, Sofia, Bulgaria
- 2023 *Leibniz University Hannover Socrates Centre for Advanced Study, Hannover, Germany*
- 2023 *University of Geneva, Geneva, Switzerland*
- 2023 *Nanyang Technological University, Singapore*

2023 *Munich Centre for Mathematical Philosophy*, Munich, Germany

2023 *Keynote Lecture, Values in Medicine, Science, and Technology Annual Conference*, Dallas, USA

“Fast Science”

2024 *Keynote, Biasing Mechanisms in Scientific Research*, Hannover, Germany

2024 *Radboud University*, Nijmegen, Netherlands

2023 *Bielefeld University*, Bielefeld, Germany

2023 *Inter-University Centre Annual Philosophy of Science Conference*, Dubrovnik, Croatia

2023 *University of Cologne Quarterly Lectures on Philosophy of Science*, Cologne, Germany

2023 *University of Durham*, Durham, United Kingdom

“Sisyphian Science: Why Value-Freedom is Worth Pursuing” (with Tarun Menon)

2024 *Keynote, Revitalizing Science and Values Conference*, Pittsburgh, USA

2023 *Keynote, Danish National Committee for the History and Philosophy of Science*, Copenhagen, Denmark

2023 *University of Southern Denmark*, Odense, Denmark

2023 *European Philosophy of Science Association*, Belgrade, Serbia

2023 *British Society for Philosophy of Science Annual Conference*, Bristol, UK

2022 *Wade Memorial Lecture, Saint Louis University*, St Louis, USA

2022 *Washington University Philosophy Colloquium*, St Louis, USA

2021 *Cambridge Philosophy of Science Colloquium*, UK

2021 *PhilSci India WinterSchool*, University of Hyderabad, India

2021 *University of Aarhus*, Denmark

“Communicating Numbers”

2023 *Graduate School of Health Sciences, University of Bern*, Bern, Switzerland

“Understanding Sexual Desire”

2022 *Heinrich-Heine-University*, Düsseldorf, Germany

“No Experience Necessary” (with Hamed Tabatabaei Ghomi)

2022 *AI in Science, Munich Center for Mathematical Philosophy*, Munich, Germany

2022 *German Society for Analytic Philosophy*, Berlin, Germany

2022 *Formal Methods and Science in Philosophy IV*, Dubrovnik, Croatia

2022 *Philosophy of Science Association*, Pittsburgh, USA

“Simulating Medicine” (with Hamed Tabatabaei Ghomi)

2022 *University of Turin*, Turin, Italy

2022 *Cancer Research UK*, Cambridge, UK

2022 *Orange Beach Epistemology Workshop*, Orange Beach, USA

2022 *NextGen Discovery Series, University of Missouri*, Columbia, USA

2022 *Washington University History and Philosophy of Science Colloquium*, St Louis, USA

“Simulation of Data to Test Speculations About Science and Medicine” (with Hamed Tabatabaei Ghomi)

2022 *European Medicines Agency*, Brussels, Belgium

2022 *Marche Polytechnic University, Department of Economics, Ancona, Italy*

2021 *Science, Health, Economics, and Society Conference*, Rome, Italy

“How To Be a Medical Nihilist During a Pandemic”

2022 *Utrecht Julius Centre*, Utrecht, Netherlands

2022 *University of Ancona, Department of Medicine*, Ancona, Italy

2022 *ETH Zurich Health Ethics and Policy Lab*, Zurich, Switzerland

2021 *American Philosophical Association, Central Division*, USA

2021 *Cambridge Medical Humanities Society*, Cambridge, UK

2021 *Lake Forest College*, Chicago, USA

Commentary on Jonathan Fuller ‘Risky Medicine’

2021 *Book Workshop on Fuller’s New Modern Medicine*, Pittsburgh, USA

- “Sex Differences in Sexual Desire”
- 2021 *Philosophy of Science Association*, Baltimore, USA
- 2020 *London School of Economics Conjectures and Refutations*, London, UK
- “Conventional Choices in Outcome Measures Influence Meta-Analytic Results” (with Hamed Ghomi)
- 2021 *Philosophy of Science Association*, Baltimore, USA
- Commentary on Anya Plutynski ‘Why Precision Oncology is Not Very Precise’
- 2020 *Interdisciplinary Conference on Personalised Medicine*, Rome, Italy
- “Medical Nihilism and Gentle Medicine”
- 2020 *The Ethical and Policy Implications of Overoptimism about Medical Effectiveness*, Oxford, UK
- 2020 *Responsible Life Science Policy*, Tübingen, Germany
- 2020 *Utrecht University Workshop on Medical Nihilism*, Utrecht, Netherlands
- 2019 *University of Texas*, Dallas, USA
- “Sexual Desire in the Lab and the Clinic”
- 2019 *PhillinBioMed 2 Conference*, Bordeaux, France
- “The Medicalisation of Sexual Desire”
- 2020 *Keynote Lecture, Prague Philosophy of Medicine Conference*, Prague, Czech Republic
- 2019 *Contentious Sciences Workshop*, Bielefeld, Germany
- 2019 *King’s College London*, London, UK
- 2019 *KU Leuven Interdisciplinary Platform for the Study of the Sciences*, Leuven, Belgium
- 2019 *Uncertainty in Drugs and Medicines Symposium*, Strasbourg, France
- “The Sciences of Sexual Desire”
- 2019 *University of Notre Dame Philosophy Colloquium*, South Bend, USA
- 2019 *Jagiellonian University*, Krakow, Poland
- “Response to Commentators on *Medical Nihilism*”
- 2019 *Author-Meets-Critics, American Philosophical Association, Pacific Division*, Vancouver, Canada
- 2018 *Book Symposium*, University of Bordeaux, France
- “Sex, Drugs, and Disease Creep”
- 2019 *Keynote Lecture, Association for the Advancement of Philosophy and Psychiatry*, San Francisco, USA
- “Debiasing Inference”
- 2019 *Keynote Lecture, Biases in Science Conference*, Munich, Germany
- 2019 *Workshop on Evidence Amalgamation*, Cork, Ireland
- “The Natural Probability Theory of Stereotypes”
- 2019 *Munich Centre for Mathematical Philosophy Colloquium*, Munich, Germany
- 2018 *University of Toronto HPS Colloquium*, Toronto, Canada
- 2018 *University College Cork Philosophy Colloquium*, Cork, Ireland
- “The Early Detection Debate: A Resolution”
- 2019 *Institute Gustave Roussy*, Paris, France
- 2018 *University of Bordeaux*, Bordeaux, France
- 2018 *Early Detection Workshop*, Cambridge, UK
- “The Epistemic Wrongs of Stereotypes”
- 2017 *Tel Aviv University, Safra Center for Ethics*, Tel Aviv, Israel
- “The Perils of P-Hacking and the Promise of Pre-Analysis Plans (with Zoë Hitzig)”
- 2018 *Keynote Lecture, Perspectives on Scientific Error*, Groningen, Netherlands
- 2018 *Understanding Replication Across the Sciences, Western University*, London, Canada
- 2018 *American Philosophical Association, Pacific Division*, San Diego, USA
- 2017 *University of Cambridge Philosophy of Science Colloquium*, Cambridge, UK
- 2017 *Issues in Medical Epistemology*, Cologne, Germany
- 2017 *Workshop on Elliott Sober’s ‘Ockham’s Razors’*, Copenhagen, Denmark

“Bayesian Mechanista”

- 2020 *Bangalore National Institute of Advanced Studies, Bangalore, India*
- 2020 *Leuven Workshop on Evidence-Based Medicine, Leuven, Belgium*
- 2019 *University of Paris Institute for History and Philosophy of Science Colloquium, Paris, France*
- 2018 *University of Tampere, Tampere, Finland*
- 2018 *Inter-University Centre 45th Annual Philosophy of Science Conference, Dubrovnik, Croatia*
- 2017 *Drug Safety, Probabilistic Causal Inference, and Evidence Amalgamation, Munich, Germany*
- 2017 *Philosophical Perspectives on Evidence-Based Policy, Copenhagen, Denmark*
- 2017 *University of Edinburgh Contemporary Debates in Philosophy of Science, Edinburgh, UK*

“Population Pluralism and Multispecies Evolution” (with Daniel Molter)

- 2017 *Species in the Age of Discordance, Salt Lake City, USA*

“Three Arguments for Absolute Outcome Measures” (with Jan Sprenger)

- 2017 *American Philosophical Association, Pacific Division, Seattle, USA*
- 2017 *University of Vienna, Vienna, Austria (presented by Sprenger)*
- 2017 *Lingnan University, Hong Kong (presented by Sprenger)*
- 2017 *University of Sydney, Sydney, Australia (presented by Sprenger)*
- 2016 *Philosophy of Science Association, Atlanta, USA*

“Medical Nihilism”

- 2019 *Educating The Whole Physician Conference, University of Notre Dame, South Bend, USA*
- 2019 *Aarhus University Philosophy Colloquium, Aarhus, Denmark*
- 2019 *Jagiellonian University, Krakow, Poland*
- 2019 *Philosophy of Medicine Seminar, University of Geneva, Geneva, Switzerland*
- 2018 *Philosophy of Science Association, Seattle, USA*
- 2018 *How The Light Gets In Festival, Hay-on-Wye, UK*
- 2018 *University of Bordeaux, Bordeaux, France*
- 2017 *University College London STS Colloquium, London, UK*
- 2017 *Bar Ilan University STS Colloquium, Ramat Gan, Israel*
- 2016 *Hughes Hall Fellows Talk, Cambridge, UK*
- 2016 *Annual Peter Sowerby Lecture in Philosophy of Medicine, London, UK*
- 2016 *University of Cambridge HPS Colloquium, Cambridge, UK*
- 2016 *Medical Knowledge in a Social World, Irvine, USA*
- 2015 *Institute of Advanced Study Public Lecture, Durham, UK*
- 2015 *Science and Certainty Workshop, San Diego, USA*

“Absolute Measures of Effectiveness”

- 2015 *University of Cambridge Philosophy of Science Colloquium, Cambridge, UK*
- 2015 *Durham University Philosophy Colloquium, Durham, UK*
- 2015 *European Philosophy of Science Association, Düsseldorf, Germany*

“Magic Bullets”

- 2017 *Structure Workshop, Durham University, Durham, UK*
- 2015 *University of Cambridge HPS Colloquium, Cambridge, UK*
- 2015 *Leeds History and Philosophy of Biology Reading Group, Leeds, UK*
- 2013 *International Society for History, Philosophy, and Social Studies of Biology, Montpellier, France*

“Measuring Effectiveness”

- 2015 *Leibniz Universität Hannover Philosophy Colloquium, Hannover, Germany*
- 2015 *University of Oxford, Ethox Centre, Oxford, UK*
- 2015 *University of Victoria Philosophy Colloquium, Victoria, Canada*
- 2014 *Philosophy of Science Association, Chicago, USA*
- 2014 *Philosophy of Medicine Workshop, London, UK*

- “Population Pluralism”
- 2015 *Leeds History and Philosophy of Biology Reading Group*, Leeds, UK
- 2015 *Institut d’Histoire et de Philosophie des Science et des Techniques*, Paris, France
- “Hollow Hunt for Harms”
- 2015 *Limits of Medicine Workshop*, Redlands University, USA
- 2015 *Grand Rounds*, Faculty of Medicine, University of Utah, USA
- 2014 *University of Aarhus Science Studies Colloquium*, Aarhus, Denmark
- 2014 *University of Bielefeld Science Studies Colloquium*, Bielefeld, Germany
- 2014 *Intermountain West Student Philosophy Conference (Plenary Speaker)*, Salt Lake City, USA
- 2013 *Science, Policy, Values: Exploring the Nexus*, Toronto, Canada
- 2013 *Brocher Symposium: Evidence in Healthcare Reform*, Geneva, Switzerland
- “Theory Choice and Social Choice: Okasha versus Sen”
- 2014 *Sociedad Argentina de Análisis Filosófico*, Buenos Aires, Argentina
- “The Independence Condition for Robustness” (with Tarun Menon)
- 2014 *Workshop on Robustness*, Helsinki, Finland
- “Measuring the Quality of Evidence in Medicine”
- 2014 *Evidence in Science and Epistemology*, Helsinki, Finland
- “Medical Nihilism: A Brief History”
- 2014 *History of Science Society*, Chicago, USA
- “Medical Nihilism, Today?”
- 2014 *Evening Ethics Discussion, University of Utah School of Medicine*, Salt Lake City, USA
- “Effectiveness of Medical Interventions”
- 2013 *IHPST*, Toronto, Canada
- “How Should the Evidence Hierarchy be Developed?”
- 2012 *Evidence and Causality in the Sciences*, Canterbury, UK
- “Probabilizing the End”
- 2012 *Canadian Philosophical Association*, Waterloo, Canada
- “Assessing Medical Evidence”
- 2012 *University of Utah Colloquium*, Salt Lake City, USA
- 2012 *Workshop on Information Quality*, Hertfordshire, UK
- 2012 *Canadian Society for the History and Philosophy of Science*, Waterloo, Canada
- “Commentary: David Crawford ‘A New Look at Fisher on Chance, Historicity, and Causality’”
- 2012 *Consortium for the History and Philosophy of Biology*, Toronto, Canada
- “Pseudorobustness” (with Tarun Menon)
- 2012 *Philosophy of Science Association*, San Diego, USA
- 2011 *Error in the Sciences*, Leiden, Netherlands
- “Arrow, Theory and Evidence”
- 2011 *University of Toronto Philosophy of Science Colloquium*, Toronto, Canada
- “Biological Populations”
- 2011 *Consortium for the History and Philosophy of Biology*, Paris, France
- “The Independence Requirement for Robust Evidence” (with Tarun Menon)
- 2011 *American Philosophical Association, Pacific Division*, San Diego, USA
- “Underdetermination of Evidence by Theory”
- 2011 *University of Toronto IHPST Colloquium*, Toronto, Canada
- “Is Meta-Analysis the Platinum Standard of Evidence?”
- 2011 *Workshop on Child Welfare Policy*, London, UK
- 2011 *American Association for the Advancement of Science*, Washington, USA
- 2010 *Objectivity and the Practice of Science*, Tilburg, Netherlands

- 2010 *University of Western Ontario Colloquium*, London, Canada
 “Varieties of Evidential Experience”
- 2010 *Philosophy of Scientific Experimentation Conference*, University of Pittsburgh, Pittsburgh, USA
- 2010 *Canadian Society for the History and Philosophy of Science*, Montreal, Canada
- 2009 *UCSD Science Studies Colloquium*, San Diego, USA
 “Biodiversity & Bioproductivity, Evidential Diversity & Evidential Productivity”
- 2010 *Bio by the Sea, Western Philosophy of Biology Workshop*, San Diego, USA
 “HPS: Marriage of Convenience? Commentary on Zammito, Richardson, and Shapin”
- 2010 *Science Studies in Context*, UCSD, San Diego, USA
 “The New-New Problem of Induction”
- 2009 *Harvard-MIT Graduate Philosophy Conference*, Boston, USA
- 2009 *Rocky Mountain Graduate Philosophy Conference*, Boulder, USA
 “Multimodal Evidence: Paradoxes of Amalgamation”
- 2009 *Canadian Society for the History and Philosophy of Science*, Ottawa, Canada
- 2009 *UC Davis Workshop on Philosophy of Biology*, Davis, USA
 “Amalgamating Evidence with Consensus Conferences and Meta-Analysis”
- 2009 *University of Toronto Graduate HPS Conference ‘Evidence in Context’*, Toronto, Canada
 “Generative Entrenchment: (Semi-)(Un-)Layered (Inter-)(In-)Dependencies”
- 2009 *International Society for History, Philosophy, and Social Studies of Biology*, Brisbane, Australia
 “Normative Criteria for Translating Uncertainty into Policy”
- 2009 *AAAS: Science and Technology in Society*, Washington, USA
 “Commentary: Joshua Rust ‘Informative Rejection of Why Questions’”
- 2009 *American Philosophical Association, Pacific Division*, Vancouver, Canada
 “A Theory of Evidence for Evidence-Based Policy” (with Nancy Cartwright)
- 2008 *NRC Committee on Evidence for Social Policy/OECD Committee on Social Indices*
- 2008 *London School of Economics Popper Seminar*, London, UK
 “Nietzsche’s Lovely Paths of Truth”
- 2008 *Nietzsche Colloquium*, Technische Universitaet, Berlin, Germany
- 2008 *American Philosophical Association, Society for Student Philosophers*, Austin, USA
 “Robustness, Discordance, and Relevance”
- 2008 *Philosophy of Science Association*, Pittsburgh, USA
- 2008 *Canadian Society for the History and Philosophy of Science*, Vancouver, Canada
 “Commentary: Ingo Brigandt ‘An Epistemology of Explanatory Integration’”
- 2008 *Canadian Philosophical Association*, Vancouver, Canada
 “Multimodal Evidence”
- 2008 *London School of Economics Graduate Philosophy Colloquium*, London, UK
 “Genes as DNA: Analysis of Scientific Reception”
- 2008 *Sixth Joint Meeting of the BSHS, CSHPs, and HSS (“Three Societies”)*, Oxford, UK
 “Translating Uncertainty into Policy: Influenza Transmission and Mask Choice”
- 2008 *Canadian Society for the History of Medicine*
- 2008 *AAAS: Science and Technology in Society*, Washington, USA
 “Commentary: Jessica Riskin ‘The Invention of Consciousness’”
- 2008 *Technology and Formations of Power Workshop*, San Diego, USA
 “Commentary: Joshua Stuchlik ‘Neurath’s Normative Philosophy’”
- 2005 *University of Toronto Graduate Philosophy Conference*, Toronto, Canada

~ **Public Engagement & Media**

founder [PhiSci YouTube Channel](#)

- ongoing Numerous podcast interviews
- “Causal Inference and Compassionate Use Policies”
- 2019 *Pembroke College Symposium with Roche Pharmaceuticals*, Cambridge, UK
- “Should You Trust Your Doctor? Public Debate”
- 2018 *HowTheLightGetsIn Festival*, Hay-on-Wye, UK
- “Is Earlier Necessarily Better? Philosophical Issues Surrounding Cancer Screening”
- 2016 *University of Cambridge Festival of Ideas*, Cambridge, UK
- “Medical Nihilism”
- 2018 *HowTheLightGetsIn Festival*, Hay-on-Wye, UK
- 2015 *Institute of Advanced Study Public Lecture*, Durham, UK
- “Ethics of ‘Right to Try’ Bill for Experimental Drugs”
- 2015 *Salt Lake Tribune Online Debate*, Salt Lake City, USA
- “Hollow Hunt for Harms”
- 2014 *Canadian Agency for Drugs and Technologies in Health*, Ottawa, Canada

~ Awards

- 2024-2027 AHRC-DFG Partnership Grant
- 2024-2027 NTU Startup Grant
- 2023-2024 Senior Research Fellowship, Leibniz University
- 2024 Fellowship, Università Degli Studi Di Cagliari
- 2023 Cambridge Student-Led Teaching Award Shortlist: Best Professor, Innovative Teaching
- 2022-2024 Cambridge-LMU Strategic Partnership Grant
- 2021 Excellence Grant, University of Ancona
- 2018-2019 Fellowship, Excellence Initiative, Université de Bordeaux
- 2015 Fellowship, Institute of Advanced Study, Durham University
- 2013-2014 Great Ideas in the Humanities (with Jonah Schupbach)
- 2011-2013 Banting Postdoctoral Fellowship
- 2010 Hadden Prize: Best Graduate Paper, Canadian Society for History & Philosophy of Science
- 2009-2010 Social Sciences and Humanities Research Council of Canada, Doctoral Fellowship
- 2005-2007 National Sciences Foundation Doctoral Fellowship
- 2001-2002 Connaught Graduate Scholarship, University of Toronto

~ Teaching Summary

Former Doctoral Students

- Benjamin Chin-Yee, 2025, Western University
- Ina Jäntgen, 2024, LMU Munich
- Michaela Egli, 2024, Swiss Health Agency
- Hamed Tabatabaei Ghomi, 2023, King’s College London
- Cristian Larroulet Philippi, 2023, University of Melbourne
- Adria Segarra, 2023, University of Cambridge
- Zinhle Mncube, 2022, University of Massachusetts Amherst
- Adrian Erasmus, 2021, University of Alabama

Undergraduate

Philosophy of Science, Reasoning and Rationality, Biomedical Ethics, Research Ethics, Introduction to Logic, Logic and Decision Making, Philosophy of Medicine, Philosophy of Probability, Ethics of War, The Meaning of Life

~ Service to the Profession

Reviewer for Journals (* indicates multiple reviews)

*British Journal for the Philosophy of Science**; *Philosophy of Science**; *Studies in History and Philosophy of Biological and Biomedical Sciences**; *Studies in History and Philosophy of Science**; *Philosophy Compass*; *Spontaneous Generations*; *Science, Technology, and Human Values*; *Topoi*; *Preventive Medicine*; *Philosophical Psychology*; *Social Epistemology*; *European Journal of Analytic Philosophy*; *Erkenntnis**; *Journal of Economic Methodology*; *Journal of Evaluation in Clinical Practice*; *Sage Open*; *Medicine, Healthcare, and Philosophy*; *Theoretical Medicine and Bioethics**; *Biology and Philosophy*; *Ergo**; *Synthese**; *Mind**; *The Philosophical Quarterly*; *Canadian Journal of Philosophy**; *Philosophical Studies*; *Australasian Journal of Philosophy**; *European Journal for Philosophy of Science**; *South African Journal of Philosophy*; *Philosophy and Technology*; *Theoretical Medicine and Bioethics*; *International Studies in the Philosophy of Science*; *Ethics, Policy, and Environment*; *Perspectives on Science*; *Journal of Medical Ethics*; *Philosophy of Medicine*; *Clinical Ethics*; *Nous*; *Journal of Philosophy*; *Philosophers' Imprint*, *Journal of Mathematical Psychology*, *PLOS ONE*

Program Committee/Reviewer for Conferences

Canadian Philosophical Association; American Philosophical Association; Philosophy of Science Association (2017-2018); Evidence, Inference, and Risk (Munich 2016); European Philosophy of Science Association (2019, 2021, 2025); British Society for the Philosophy of Science (2019-2022, 2024-2025); Values in Science and Medicine Annual Conference (2018-2019); PhillnBioMed (2022), East European Network for Philosophy of Science (2024)

Reviewer for Funding Agencies

Social Sciences and Humanities Research Council of Canada, South Africa National Research Foundation, New Zealand Royal Society, Netherlands NWO Veni Vidi Vici Innovational Research Incentives Scheme, United States National Sciences Foundation (2x), University of Padua Stars Research Programme, National Science Centre of Poland, Swiss National Science Foundation, Marie Skłodowska-Curie Actions Cofund C2W

Reviewer for Book Publishers

Oxford University Press (4x), Pickering and Chatto; Springer; Bloomsbury (2x); Routledge (5x), University of Chicago Press (2x)

Editorial Roles

2021- Associate Editor, *European Journal for Philosophy of Science*
2023- Editorial Board, *Philosophy of Science*
2025- Editorial Board, *Balkan Journal of Philosophy*
2018- Editor, *Elements in Philosophy of Science* Book Series (35 titles), Cambridge University Press
2019-2024 Governing Board, founding member, *Philosophy of Medicine* (new journal)
2008-2014 Editorial Board, *Spontaneous Generations*

Organizer

2025 Workshop for new book by C. Mantzavinos
2024 Cambridge-LMU Research Retreat
2023 Cambridge-LMU Joint Workshop on Philosophy of Science
2023 PhillnBioMed Annual Conference
2014 Inductive Logic and Confirmation in the Sciences II conference

Evaluation & Examination

External Evaluator for tenure and promotion at universities in the United States (2x), France, South Africa
External Doctoral Examiner for Jagiellonian University (2x), University of Turin, University of Geneva, University of Antwerp
2025- Examination Board, The Society of Apothecaries in London, Diploma in Philosophy of Medicine
2024 Fellowship Evaluation, UK Academy of Medical Sciences
2016-2018 Fellowship Application Evaluation, Durham University Institute of Advanced Study

Membership

2025- Asian Philosophy of Science Association Outreach Committee
2023- Founding Member & Advisor, Medical Humanities Laboratory, Bennett University, India

2023- External Member, Center for Philosophy, Science and Policy, Marche Polytechnic University, Italy
2018- Member, Philosophy In Biology and Medicine Network, University of Bordeaux, France
2013- Senior Research Associate, University of Johannesburg
2008- Philosophy of Science Association

~ Service to the University

NTU Singapore

2024-2025 Philosophy Management Committee
2025 Digital Humanities Strategic Taskforce
2024 Humanities Research Evaluation Taskforce

Cambridge

2022-2027 Lead on successful British Academy Global Professorship award, £880000
2019-2023 MPhil Course Manager, Health, Medicine, and Society Program
2017-2024 Director of Studies for Philosophy, Emmanuel College and Hughes Hall
2017-2024 Director of Studies for HPS, Hughes Hall and Wolfson College
2017-2018 HPS MPhil Manager, Part 1B Senior Examiner, Philosophy Faculty Representative
2016-2017 Part 1B Course Manager, Appointments Committee

Victoria

2015-2016 Promotions Committee

Utah

2013-2015 Graduate Committee
2014-2015 Job Placement Director
2013-2014 Junior M&E Search Committee
2013-2014 Senior Search Committee