GORDON BELOT

Department of Philosophy
University of Michigan

belot@umich.edu
sites.google.com/site/gordonbelot/

DEGREES

1996	Ph.D., Philosophy, University of Pittsburgh
1993	M.Sc., Mathematics, University of Toronto
1991	B.Sc., Mathematics and Philosophy, University of Toronto

ACADEMIC APPOINTMENTS

University of Michigan

2019–	Lawrence Sklar Collegiate Professor of Philosophy
2008–2019	Professor of Philosophy

University of Pittsburgh

2004–2008	Associate Professor of Philsophy

New York University

2003	Associate Professor of Philosophy
1999–2003	Associate Professor of Philosophy without Tenure

Princeton University

1997–1999	Assistant Professor of Philosophy

University of Pittsburgh

1996-1997	Post-Doctoral Scholar, Center for Philosophy of Science

AWARDS AND HONOURS

2021	Fellow of the American Association for the Advancement of Science
2019	Michigan Humanities Award
2017	Steven Humphrey Lecturer in the Philosophy of Science. UC Santa Barbara
2014	Lakatos Award for *Geometric Possibility*
2006–2007	Burkhardt Fellowship, American Council of Learned Societies
2002–2003	Fellowship, National Science Foundation
1996–97	Post-doctoral fellowship, Social Sciences and Humanities Research Council

VISITING POSITIONS

2018 Research Fellow. Munich Center for Mathematical Philosophy

2017 Benjamin Meaker Visiting Professor. University of Bristol, Institute for Advanced Studies

2006–2007 Fellow. Center for Advanced Study in the Behavioral Sciences

BOOKS

2023 *Accelerating Expansion: Philosophy and Physics with a Positive Cosmological Constant.* Oxford University Press.

2011 *Geometric Possibility.* Oxford University Press.

PAPERS

Forthcoming "Mechanical Turkeys." To appear in *Journal of Philosophical Logic.*

2024 "Unprincipled." *The Review of Symbolic Logic* 17: 435–474.

2023 "That Does Not Compute: David Lewis on Credence and Chance." *Philosophy of Science* 90: 1130–1139.

2022 "Ratbag Idealism." In Y. Ben-Menahem (ed.), *Rethinking the Concept of Law of Nature: Natural Order in the Light of Contemporary Science.* Springer, pp. 1–20.

2022 "Gravity and GRACE." *Philosophers' Imprint* 22 3: 1–15.

2020 "Absolutely No Free Lunches!" *Theoretical Computer Science* 845: 159–180.

2019 "An Automatic Ockham's Razor for Bayesians?" *Erkenntnis* 84: 1361–1367.

2018 "Fifty Million Elvis Fans Can't Be Wrong." *Noûs* 52: 946–981.

2017 "Curve-Fitting for Bayesians?" *British Journal for the Philosophy of Science* 68: 689–702.

2017 "Objectivity and Bias." *Mind* 126: 655–695.

2016 "Sober as a Judge." *Metascience* 25: 387–92.

2016 "Undermined." *Australasian Journal of Philosophy* 94: 781–91.

2015 "Down to Earth Underdetermination." *Philosophy and Phenomenological Research* XCI: 456–64.

2013 "Bayesian Orgulity." *Philosophy of Science* 80: 483–503.

2013 "Failure of Calibration is Typical." *Statistics & Probability Letters* 83: 2316–18.

2013 "Time in Classical and Relativistic Physics." In A. Bardon and H. Dykes (eds.), *A Companion to the Philosophy of Time*. Blackwell, pp. 185–200.

2013 "Symmetry and Equivalence." In R. Batterman (ed.), *Oxford Handbook of Philosophy of Physics.* Oxford University Press, pp. 318–39.

2012 "Quantum States for Primitive Ontologists: A Case Study." *European Journal for Philosophy of Science* 2: 67–83.

2011 "Background Independence." *General Relativity and Gravitation* 43: 2865–84.

2010 "Transcendental Idealism among the Jersey Metaphysicians." *Philosophical Studies* 150: 429–38.

2008 "An Elementary Notion of Gauge Equivalence." *General Relativity and Gravitation* 40: 199–215.

2007 "Is Classical Electrodynamics an Inconsistent Theory?" *Canadian Journal of Philosophy* 37: 263–82.

2006 "The Representation of Time and Change in Mechanics." In J. Butterfield and J. Earman (eds.), *Philosophy of Physics.* North-Holland, pp. 133–227.

2006 "Conservation Principles." In D. Borchert (ed.), *Encyclopedia of Philosophy*, second edition. Macmillan, volume 2, pp. 461–64.

2005 "Dust, Time, and Symmetry." *British Journal for the Philosophy of Science* 56: 255–91.

2005 "Whose Devil? Which Details?" *Philosophy of Science* 72: 128–53.

2003 "Notes on Symmetry." In K. Brading and E. Castellani (eds.), *Symmetries in Physics: Philosophical Reflections*. Cambridge University Press, pp. 393–412.

2003 "Remarks on the Geometry of Visibles." *The Philosophical Quarterly* 53: 581–86.

2003 "Symmetry and Gauge Freedom." *Studies in History and Philosophy of Modern Physics* 34: 189–225.

2001 "The Principle of Sufficient Reason." *Journal of Philosophy* XCVIII: 55–74.

2001 With J. Earman, "Pre-Socratic Quantum Gravity." In C. Callender and N. Huggett (eds.), *Philosophy Meets Physics at the Planck Scale*. Cambridge University Press, pp. 213–55.

2000 "Geometry and Motion." *British Journal for the Philosophy of Science* 51: 561–95 (50th Anniversary Issue). Reprinted in P. Clark and K. Hawley (eds.), *Philosophy of Science Today*. Oxford University Press (2003), pp. 201–35.

2000 "Chaos and Fundamentalism." *Philosophy of Science* 67: S454–65.

1999 With J. Earman, "From Metaphysics to Physics." In J. Butterfield, and C. Pagonis (eds.), *From Physics to Philosophy*. Cambridge University Press, pp. 166–86.

1999 With J. Earman and L. Ruetsche, "The Hawking Information Loss Paradox: Anatomy of a Controversy." *British Journal for the Philosophy of Science* 50: 189–229.

1999 "Rehabilitating Relationalism." *International Studies in the Philosophy of Science* 13: 35–52.

1998 "Understanding Electromagnetism." *British Journal for the Philosophy of Science* 49: 531–55.

1997 With J. Earman, "Chaos Out of Order: Quantum Mechanics, the Correspondence Principle, and Chaos." *Studies in History and Philosophy of Modern Physics* 28: 147–82.

1996 "Why General Relativity *Does* Need an Interpretation." *Philosophy of Science* 63: S80–S88.

1995 "Determinism and Ontology." *International Studies in the Philosophy of Science* 9: 85–101.

1995 "New Work for Counterpart Theorists: Determinism." *British Journal for the Philosophy of Science* 46: 185–95.

REVIEWS

2010 With L. Jansson, review of A. Bokulich, *Reexamining the Quantum-Classical Relation: Beyond Reductionism and Pluralism*, in *Studies in History and Philosophy of Modern Physics* 41: 81–83.

2001 Review of L. Sklar, *Theory and Truth*, in *British Journal for the Philosophy of Science* 52: 647–50.

1998 Review of H. Price*, Time's Arrow and Archimedes' Point: New Directions for the Physics of Time*, in *Philosophical Review* 107: 477–80.

1998 Review of J. Earman, Bangs, *Crunches, Whimpers, and Shrieks: Singularities and Acausalities in Relativistic Spacetimes*, in *Studies in History and Philosophy of Modern Physics* 29: 273–75.

1997 Review of R. Clifton (ed.), *Perspectives on Quantum Reality: Non-Relativistic, Relativistic, and Field-Theoretic*, in *International Studies in the Philosophy of Science* 11: 305–307.

Editorial

2019 Editor, special issue of *The Monist* on probability in physics.

1996 Editor, with J. Butterfield and M. Hogarth, *Spacetime*. Aldershot: Dartmouth.

PRESENTATIONS

"The Mach-Einstein Principle of 1917–18"

- Black Hole Initiative Colloquium. Harvard. April 2024.
- Warsaw Spacetime Colloquium. October 2021.
- Oxford Philosophy of Physics Seminar. May 2021.
- History and Philosophy of Physics Research Seminar. University of Bonn. December 2020.
- Philosophy of Physics Workshop in Celebration of David Albert's Birthday. Columbia. November 2019.
- Suppes Center HPS Colloquium. Stanford. November 2019.
- Masterclass. University of Bristol. May 2017.
- Department of Logic and Philosophy of Science Colloquium. UC Irvine. May 2017.
- Philosophy of Science Association Biennial Meeting, Atlanta. November 2016.
- Workshop on Geometry and Physics, London School of Economics. May 2016.

"On the Road to Truth"

- Inaugural Lecture. University of Michigan. December 2023.

"Mechanical Turkeys"

- Department of Logic and Philosophy of Science Colloquium. UC Irvine. June 2023.

"My Ted Talk."

- Author meets critics session on Ted Sider's *Tools of Metaphysics.* American Philosophical Association Eastern Division Meeting. Montreal. January 2023.

"That Does Not Compute: David Lewis on Credence and Chance"

- Philosophy of Science Association Biennial Meeting. Pittsburgh. November 2022.

- Workshop on Randomness, Learning, and Complexity. Carnegie-Mellon University. October 2022.
- Foundations of Probability Seminar. New York University. October 2022.

"Abolsutely No Free Lunches!"
- Information Theory and Randomness Seminar. Polish Academy of Sciences. July 2021.
- Stanford Logic Seminar. January 2020.

"Can we Know the Shape of Space?"
- Cal Tech Philosophy of Physics Group. June 2021.
- Michigan Society of Physics Students. November 2020.

"Einstein on the Need for Boundary Conditions"
- Physics Avoidance: Mark Wilson Book Workshop. University of Pittsburgh. November 2019.

"Gravity and GRACE: Does Underdetermination Undermine Scientific Objectivity?"
- Colloquium. University of Toronto. September 2019.
- Workshop: Objectivity—New Perspectices on Objective Inquiry. Munich Center for Mathematical Philosophy. May 2018.
- Annual Lecture Series of the Center for Philosophy of Science. University of Pittsburgh. October 2017.
- Workshop on Philosophy of Science. University of Bergen. May 2017.
- Steven Humphrey Lecture in the Philosophy of Science. UC Santa Barbara. March 2017.

"Ratbag Idealism"
- Workshop on the Future of the Foundations of Physics. Columbia. October 2018.

"Let the Good Times Roll: Time and Physics in de Sitter Spacetime(s)"
- Rotman Summer Institute in Philosophy of Cosmology. Goderich, ON. June 2018.
- Symmetry and Representations in Physics. University of Bristol. May 2017.
- Summer Institute in Philosophy of Physics on Philosophy of Quantum Gravity. Williams Bay WI. June 2016.

"What does AdS/CFT Teach us about Physical Black Holes?"
- Black Hole Initiative. Harvard University. March 2018.

"Taking it to the Limit"
- Direct Empirical Status and the Ontology of Symmetries in Physics. Université Catholique de Louvain. July 2017.

"Typical!"
- Workshop on Probability and Learning. Columbia University. April 2017.
- Decisions, Games, and Logic. University of Michigan. July 2016.

"Background-Independence"

- Summer Institute in Philosophy of Physics on Philosophy of Quantum Gravity. Williams Bay WI. June 2016.
- Quantum Phenomena Lecture, Pacific Institute of Theoretical Physics. Vancouver, March 2007.
- Philosophy Colloquium, Stanford University. Stanford, March 2007.
- Third UCLA Conference in History and Philosophy of Science—Determinism in the Sciences. Los Angeles, November 2006.
- Second International Conference on the Ontology of Spacetime. Montreal, June 2006.

"Objectivity, Limited"

- Lakatos Award Lecture, London School of Economics. May 2016.
- Public Lecture, NYU Abu Dhabi Institute. March 2015.

"Infinity and the Monster Within: Einstein on Cosmology"

- Cambridge Foundations of Physics Group. May 2016.
- Philosophy of Science Conference. UCLA. March 2015.
- Space-Time Theories: Historical and Philosophical Contexts. Van Leer Institute. Jerusalem. January 2015.

"50, 000, 000 Elvis Fans Can't be Wrong"

- Philosophy Department Colloquium. MIT. November 2015.
- Ranch Metaphysics Workship. White Stallion Ranch. January 2015.
- Philosophy of Science Association Biennial Meeting. Chicago. November 2014.
- Lakatos Award Conferences on Philosophy of Physics. London School of Economics. October 2014.
- Metaphysics Meets Philosophy of Physics in Rochester. University of Rochester. September 2014.
- Foundations of Gauge Theories. UC Irvine. March 2014.
- Philosophy of Mechanics: Mathematical Foundations. Université Paris Diderot. February 2014.

"Objectivity and Bias"

- Philosophy Colloquium, NYU Abu Dhabi. March 2015.
- Conference on Structure in Physics, Rutgers University. New Brunswick, April 2013.
- Philosophy Colloquium, Occidental College. Los Angeles, November 2012.
- Midwest Workshop in Philosophy of Science, Technology, Engineering, and Mathematics. Fort Wayne, October 2012.
- Dubrovnik Philosophy of Science Meeting. Dubrovnik, April 2012.
- Philosophy Colloquium, University of Rochester. Rochester, November 2011.

"Time and Dynamics in General Relativity"

- Physics and Philosophy of Time, Black Forest Summer School. Saig, July 2013.
- Foundations of Modern Physics Workshop. University of Michigan. January 2013.

"Two Arguments for the Emergence of Spacetime Topology"

- Workshop on the Metaphysics of Time, University of Lausanne. Lausanne, July 2013.
- Emergence and Effective Field Theory, Perimeter Institute. Waterloo, October 2011.

"Reply to Brighouse, Huggett, Curiel, and Smeenk"

- Quantum and Geoemtric Possibility—A Book Symposium Celebrating Recent Books by Gordon Belot and Laura Ruetsche. University of Western Ontario, London, September 2012.

"The Substantival-Relational Debate"

- Central APA. Minneapolis, April 2011.

"A Didactic Rant; *or*, Of Symmetry"

- Philosophy of Science Association Biennial Meeting. Montreal, November, 2010.
- Chicagoland Philosophy of Physics Group. Chicago, February 2010.

"Feelin' Groovy?"

- Central APA. Chicago, February 2010.

"Simplicity and Ontology"

- Pacific APA. Vancouver, April 2009.

"The Wave-Function for Primitive Ontologists"

- Workshop on Philosophy of Quantum Field Theory, University of Western Ontario. London, April 2009.
- Keynote Address, Graduate Conference in Philosophy of Physics, University at Buffalo. Buffalo, November 2009.

"Philosophy of Physics? Why Bother?"

- Physics Colloquium, University of Michigan. Ann Arbor, January 2009.

"Geometric Possibility"

- Philosophy Department, University at Buffalo. Buffalo, November 2008.
- Third International Conference on the Ontology of Spacetime. Montreal, June 2008.
- Faculty Speaker, Pitt–CMU Graduate Philosophy Conference. Pittsburgh, March 2007.
- Center for Philosophy of Science. University of Pittsburgh. Pittsburgh, November 2007.
- Distinguished Speaker Series, The Committee on History and Philosophy of Science, University of Colorado. Boulder, November 2007.

"Fundamentalism"

* Seminar Series, Center for Advanced Study in the Behavioral Sciences. Stanford, March 2007.

"Relationalisms"

* NYU Conference on Issues in Modern Philosophy—Understanding Space and Time. New York, November 2006.

"Dust, Time, and Symmetry"

* Philosophy Colloquium, Dartmouth College. Hanover, May 2006.
* Historical and Philosophical Perspectives on Physical Sciences. Abdera, July 2005.
* Philosophy Colloquium, Ohio State University. Columbus, October 2004.
* Oxford-Princeton Conference on Understanding Symmetry in Physics. Princeton, May 2002.
* Center for Philosophy of Science, University of Pittsburgh. Pittsburgh, November 2001.
* University of Florida conference on Metaphysical Issues in Physics. Gainesville, October 2001.

"Understanding and False Theories"

* Colloque "Aux frontières de la physique et de la philosophie"—Année Mondiale de la Physique, Ecole Normale Supérieure. Paris, January 2006.

"Time in General Relativity"

* Séminaire de Philosophie des Sciences et des Techniques de l'Institut d'Histoire et de la Philosophie des Sciences et des Techniques, Sorbonne. Paris, January 2006.

"Is Classical Electrodynamics Consistent?"

* Conference of the Western Canadian Philosophy Association. Winnipeg, October 2005.

"No, Really—The *Problem* of *Time*"

* Butterman Workshop, University of Pittsburgh. Pittsburgh, October 2004.
* International Conference on the Ontology of Spacetime. Montreal, May 2004.
* Columbia Seminar in History and Philosophy of Science. New York, April 2004.
* Center for Philosophy of Science, University of Pittsburgh. Pittsburgh, April 2004.

"Whose Devil? Which Details?"

* Pacific APA. San Francisco, March 2003.
* Columbia Conference on Recent Developments in the Philosophical Foundations of Physics, March 2003.

"Interpreting Gauge Theories"

* Philosophy of Science Association Biennial Meeting. Vancouver, November, 2000.

"Cosmology and the Interpretation of Quantum Mechanics"
- Dubrovnik Philosophy of Science Meeting. Dubrovnik, April 2000.
- Eastern APA. Boston. December 1999.

"Symmetry and Reduction"
- Irvine Conference on Philosophy of Physics. Laguna Beach, February 2000.
- The Philosophical Significance of Gauge Theories in Physics, University of Arizona. Tucson, March 1999.

"Content and Method in Quantum Gravity"
- History and Foundations of General Relativity 5, University of Notre Dame. South Bend, July 1999.

"Chaos and Fundamentalism"
- Philosophy of Science Association Biennial Meeting. Kansas City, November 1998.

"Rehabilitating Relationalism"
- Dubrovnik Philosophy of Science Meeting. Dubrovnik, April 1998.
- Columbia Seminar in History and Philosophy of Science. New York, April 1998.

"A. Wayne's 'Quantum Field Theory and Locality'"
- Pacific APA. Los Angeles, March 1998.

"Understanding False Theories"
- University Philosophy Colloquium. New York, November 1997.
- College of Charleston Philosophy Colloquium. Charleston, October 1997.

"Understanding Electromagnetism"
- UCLA Philosophy Colloquium. Los Angeles, January 1997.
- Stanford, Philosophy Colloquium. Palo Alto, January 1997.
- University of Michigan Philosophy Colloquium., Ann Arbor, January 1997.
- University of Western Ontario Philosophy Colloquium. London, January 1997.
- Carnegie Mellon University Philosophy Colloquium. Pittsburgh, November 1996.
- Center for Philosophy of Science, University of Pittsburgh. Pittsburgh, October 1996.

"Why General Relativity *Does* Need an Interpretation"
- Philosophy of Science Association Biennial Meeting. Cleveland, November 1996.

"Chaos Out Of Order"
- Cambridge HPS Mini-Conference on Quantum Chaos. Cambridge, July 1995.

"Structuralism and Spacetime"

* Dubrovnik Philosophy of Science Meeting. Dubrovnik, April 1994.

COURSES TAUGHT

Michigan

Undergraduate Courses

* First-Year Seminar: Philosophy and *Everything Everywhere All at Once*
* First-Year Seminar: Philosophy and *Interstellar*
* First-Year Seminar: Philosophy and *Arrival*
* Critical Thinking
* Logic
* Introduction to Formal Methods
* Probability and Inductive Logic
* The World-View of Science
* Knowledge and Reality

Graduate/Underdrgraduate Courses

* Problems of Space and Time
* Philosophy of Quantum Mechanics
* Mathematical Logic
* Logic, Learning, and Computation
* Philosophy of Science

Graduate Seminars

* Proseminar
* Nomic and Geometric Possibility
* Metaphysics of Time
* Induction and Simplicity
* Epistemology and Machine Learning
* Philosophy of Space and Time

Pittsburgh

Undergraduate Courses

* Philosophy and Science
* Probability and Induction

Graduate Seminars

* Philosophy of Science
* Philosophy of Qunatum Mechanics
* Philosophy of Physics: Time and Symmetry
* Flaky Interpretations of Quantum Mechanics

NYU

Undergraduate Courses

* Philosophy of Science
* Senior Seminar: *Reason, Truth, and History*

Graduate Seminars

* Proseminar (with Roger White)
* The Direction of Time
* Causation (with Hartry Field)
* Philosophy of Space and Time

Princeton

Undergraduate Courses

* Introduction to Philosophy of Science
* Junior Seminar: Scientific Realism

Graduate Seminars

* Philosophy of Space and Time
* Disunity of Science

GRADUATE STUDENT SUPERVISION

Dissertations (Co-)Directed

* Kevin Coffey, *Methodology, Reformulation and Underdetermination: Essays on Realism and Interpretation in Foundational Physics.* Michigan 2010.
* Josh Hunt, *Symmetry and Reformulation: On Intellectual Progress in Science and Mathematics*. Michigan 2022.
* Eli Lichtenstein, *Form and Objectivity: On Impact, Form, and Receptivity in Science and Art.* Michigan 2019.
* Dan Peterson, *Prospects for a New Account of Time Reversal.* Michigan 2013.

Committee Member/Second Reader/Outside Reader

* Chloe Armstrong, *Modality in Leibniz's Philosophy.* Michigan 2015.
* Alan Baker, *Indispensability and the Existence of Mathematical Objects.* Princeton 1999.
* Kevin Blackwell, *Temporally Continuous Probability Kinematics*, Michigan 2020.
* Francisco Calderón, in progress, Michigan.
* Kevin Carde, *Cluster Algebras and Classical Invariant Rings*, Michigan (Mathematics) 2014.
* Arthur Cunningham, *The Role of Decoherence in the Emergence of Definite Properties.* Pittsburgh 2011.
* Doreen Fraser, *Haag's Theorem and the Interpretation of Quantum Field Theory with Interactions*. Pittsburgh 2006.
* Dmitri Gallow, *The Emergence of Causation*. Michigan 2014.
* Balázs Gyenis, *Well Posedness and Physical Possibility*. Pittsburgh 2013.
* Henrique Gomes, *Why Gauge? Conceptual Aspects of Gauge Theories*. Cambridge 2022.
* Amit Hagar, *Chance and Time.* UBC 2004.

- Brian Hepburn, *Equilibirum and Explanation in 18th Century Science*. Pittsburgh 2007.
- Jesse Holloway, in progress, Michigan.
- Lina Jansson, *Explanation and Dependence*. Michigan 2011.
- Gabrielle Kerbel, in progress, Michigan
- Chalas Kévin, in progress, Université Catholique de Louvain.
- Travis McKenna, *Laws of Nature and their Supporting Casts.* Pittsburgh 2024.
- Calum McNamara, *Choice and Credence in Context*. Michigan 2024.
- Mike Miller, *The Structure and Interpretation of Qunatum Field Theory*. Pittsburgh 2017.
- Brad Monton, *Quantum Ontology and Quantum Observers.* Princeton 1999.
- Tom Pashby, *Time and the Foundations of Quantum Mechanics.* Pittsburgh 2014.
- Chip Sebens, *Locating Oneself in a Quantum World.* Michigan 2015.
- Jonathan Shaheen, *Meaning and Explanation.* Michigan 2014.
- Brad Skow, Once Upon a Spacetime. NYU 2005.
- Mike Tamir, *Knowledge, Representation, and the Physical World.* Pittsburgh 2012.
- Philip Tilman. Deformation Quantization and the Fedosov Star-Product on Manifolds of Co-Dimension One. Pittsburgh (Physics) 2007.
- Sarah Valdman, in progress, Michigan.
- Antonio Vassallo, *The Metaphysics of Quantum Gravity: A Causal Approach.* Lausanne 2014.
- Chris Wüthrich, *Approaching the Planck Scale from a Generally Relativistic Point of View: A Philosophical Appraisal of Loop Qunatum Gravity.* Pittsburgh 2006.
- Feng Ye, *Strict Constructivism and the Philosophy of Mathematics*. Princeton 2000.

DEPARTMENTAL/UNIVERISTY SERVICE

University Faculty Grievance Hearing Panel

- 2023–2024

Lecturer Review

- 2021–2022
- 2015–2016 (chair)

Graudate Student Teaching Evaluation Committee

- 2024–2025
- 2023–2024
- 2021–2022
- 2015–2016
- 2009–2010
- 2008–2009

Graduate Studies Committee

- 2020–2021
- 2001–2002
- 1999–2000

Undergraduate Studies Committee
- 2020-2021
- 2015–2016
- 1996–1997

Department Ombudsperson
- 2020–2021

Admissions Committee
- 2024–2025
- 2023–2024
- 2019–2020
- 2008–2009
- 2007–2008 (chair)
- 2005–2006 (chair)
- 2004–2005 (chair)
- 2001–2002
- 2000–2001
- 1999–2000
- 1996–1997

Deparmental Tenure and Promotion Panel
- 2024–2025
- 2022–2023
- 2019–2020 (chair)
- 2013–2014 (chair)
- 2012–2013

Placement Director
- 2017–2018
- 2016–2017
- 2013–2014
- 2012–2013
- 2011–2012
- 2010–2011

Philosophy Club Advisor
- 2015–2016

Search Committee
- 2012–2013
- 2011–2012
- 2009–2010
- 2002–2003

- 2001–2002
- 2000–2001
- 1999–2000

Arts and Sciences Tenure Council
- 2005–2006
- 2004–2005

Membership Committee, Center for Philosophy of Science
- 2005–2006
- 2004–2005

Computer Committee
- 1997–1998
- 1996–1997

Manuscript Reviews

American Jounral of Physics
Analysis
∝nalytica
Axiomathes
Australasian Journal of Philosophy
Birkhäuser
British Journal for the Philosophy of Science
Cambridge University Press
Canadian Journal of Philosophy
Einstein Studies
Ergo
Erkenntnis
European Journal for Philosophy of Science
Filozofia Nauki
Foundations of Physics
Foundations of Physics Letters
International Studies in the Phil. of Science
Journal for General Philosophy of Science
Journal of Philosophy
Mind
MIT Press
Noûs
Oxford University Press
Philosophers' Imprint
Philosophical Quarterly
Philosophical Review
Philosophical Studies
Philosophy of Science
Philosophy of Physics
Poznań Studies
Review of Symbolic Logic
Studies in Hist. & Phil. of Modern Physics
Symmetry
Synthese
Teorema
Thought
Topoi

Reviews of Grant and Fellowship Proposals

Agence Nationale de la Recherche
All Souls College
Fonds de la Recherche Scientifique
Fundação para a Ciência e a Tecnologia
National Science Center (Poland)
National Science Foundation
De Nederlandse Organisatie voor Wetenschappelijk Onderzoek

Notre Dame Institute of Advanced Study
Social Sciences and Humanities Research Council
Swiss National Science Foundation
Templeton Foundation
Trinity College Cambridge
Volkswagenstiftung

Grant Panels

American Council of Learned Societies
Social Sciences and Humanities Research Council

Editorial Boards

Philosophy of Physics
Philosophy of Science

Conference Program Committees

- American Philosophical Association Central Division. New Orleans, 2024.
- Reduction and Emergence in the Sciences. Munich Center for Mathematical Philosophy, 2013
- Philosophy of Science Biennial Meeting. San Diego, 2012.
- Larryfest (chair). University of Michigan, 2011.
- Camp Out! University of Pittsburgh, 2006.
- Reductionism and Anti-Reductionism in Philosophy of Science (chair). University of Pittsburgh, 2006.
- Gravity and the Quantum. Princeton/Rutgers, 1998.