

Laura Ruetsche  
Department of Philosophy  
University of Michigan

EDUCATION

University of Pittsburgh (1989-1995), Ph.D. in Philosophy  
Ph.D. thesis: “On the Verge of Collapse: Modal Interpretations of Quantum Mechanics”  
(John Earman, director)

Oxford University (1987-1989), B.Phil., with distinction, in Philosophy  
B.Phil. thesis: “Time Passages: Being and Becoming in Plato’s *Timeaus*”  
(J.L. Ackrill, director)

Carleton College (1983-1987)  
B.A. *summa cum laude* in physics and philosophy, classical Greek minor

AREAS OF SPECIALIZATION                      Philosophy of Physics, Philosophy of Science

AREAS OF COMPETENCE                      Plato, Feminist Epistemology, Logic

APPOINTMENTS

University of Michigan:  
    Louis E. Loeb Collegiate Professor of Philosophy, 2017-present;  
    Professor of Philosophy 2008-2017 (and Department Chair, 2011-2014)

University of Pittsburgh:  
    Associate Professor of Philosophy, with a Secondary Appointment to History and  
    Philosophy of Science, 2003-2008  
    Assistant Professor of Philosophy, with a Secondary Appointment to History and  
    Philosophy of Science, 1996-2003

Middlebury College: Assistant Professor of Philosophy, 1995-1996

Rutgers University: Visiting Assistant Professor of Philosophy, 2000-2001  
Cornell University: Visiting Assistant Professor of Philosophy, Spring 1999  
Middlebury College: Instructor of Philosophy, 1994 –1995

POST-GRADUATE AWARDS AND FELLOWSHIPS

Benjamin Meeker Visiting Fellowship, University of Bristol, Spring 2017  
Lakatos Award, 2013  
Fellow, Stanford Center for the Advanced Study of the Behavioral Sciences, 2006-2007  
Charles A. Ryskamp Fellowship (administered by the American Council of Learned Societies),  
2002-2003  
University of Pittsburgh Faculty Honor Roll (teaching award), 1999-2000

WRITING

*Books and Book Projects:*  
    (in progress). *The Physics of Ignorance: Representation, Realism, and the  
    Renormalization Group.*

(2011). *Interpreting Quantum Theories: The Art of the Possible* (Oxford University Press). Co-recipient of the 2013 Lakatos Award.

*Articles and Chapters:*

(forthcoming), “What’s it like to be a woman in philosophy (of physics)?” in Sharon Crasnow and Kristen Intemann (eds.), *Routledge Handbook of Feminist Philosophy of Science*.

(forthcoming), “Perturbing Realism,” in Stephen French and Juha Saatsi (eds.), *Scientific Realism and the Quantum* (Oxford University Press).

(forthcoming), “Beyond Expectations: Prospects for Extending a Subjectivist Account of Quantum Probabilities to QFT,” in Meir Hemmo and Orly Shenkar (eds.), *Pitowsky vol. II*.

(forthcoming), “Renormalization Group Realism: The Ascent of Pessimism,” *Philosophy of Science*.

(forthcoming). “The History of Future Science: Perennial and Pragmatic Approaches,” in Holly Anderson (ed.), *Pragmatic Approaches to Philosophy of Science* (Oxford University Press).

(forthcoming). “Locality in Quantum Field Theory,” in Eleanor Knox and Alistair Wilson (eds.), *Routledge Companion to Philosophy of Physics*.

(2018). “Getting Real about Quantum Mechanics,” in Juha Saatsi (ed.), *Routledge Handbook of Scientific Realism*, PAGE RANGE?

(2016). “Physics and Method,” in Herman Cappelen, Tamar Szabó Gendler, and John Hawthorne (eds.), *The Oxford Handbook of Philosophical Methodology* (Oxford University Press), 465-485.

(2015). “*The Shaky Game* + 25, or: On Locavoracity,” *Synthese* 192: 3425-3442.

(2014). “QM<sub>∞</sub>,” in Lawrence Sklar (ed.), *Physical Theory: Interpretation and Method* (Oxford University Press), 229 - 268.

(2014). “On interpreting quantum theories,” *Michigan Philosophy News*: 6-9.

(2013). “Unitary Equivalence and Physical Equivalence,” *Oxford Handbook of Philosophy of Physics*, Robert Batterman (ed.) (Oxford University Press), 489-521.

(2012). (with John Earman), “Infinitely Challenging: Pitowsky’s subjective interpretation and QMinfinity,” in Yemima Ben-Menahme and Meir Hemmo (eds.), *Probability in Physics* (Springer Verlag), 219-232

(2012). “Philosophical Aspects of Quantum Field Theory. I and II,” *Philosophy Compass* 7: 559-570; 571-584.

(2011). (with John Earman), “Probabilities in Quantum Field Theory and Quantum Statistical Mechanics,” in Claus Beisbart and Stephan Hartmann (eds.), *Probabilities in Physics* (Oxford University Press), 263-290.

- (2011). "Why be Normal?" *Studies in the History and Philosophy of Modern Physics* 42: 107-115.
- (2010). "The Maximal Beable Program in Quantum Field Theory," in C. Glymour, W. Wang, and D. Westerstahl (eds.), *Proceedings of the 13<sup>th</sup> International Congress of Logic, Methodology, and Philosophy of Science* (London: King's College), 390-407.
- (2006). "Johnny's So Long at the Ferromagnet," *Philosophy of Science* 73 [Proceedings]: 473-486.
- (2006). "Philosophy of Physics," in *The Philosophy of Science: an Encyclopedia*, S. Sarkar (ed.) (New York: Routledge).
- (2006). "String Theory" and "John Earman," in *Encyclopedia of Philosophy*, 2<sup>nd</sup> edition, D. Borchert (ed.) (Farmington Hills, MI: MacMillan).
- (2005). (with John Earman), "Relativistic Invariance and Modal Interpretations," *Philosophy of Science* 72: 557-583.
- (2004). "Intrinsically Mixed States: an Appreciation," *Studies in the History and Philosophy of Modern Physics* 35: 221-239.
- (2004). "Virtue and Contingent History: Possibilities for Feminist Epistemology," *Hypatia* 19 [Special Issue: Feminism and Science, Lynn Hankinson-Nelson and Alison Wylie (eds.)]: 73-101.
- (2003). (with Aristidis Arageorgis and John Earman), "Fulling Non-uniqueness, Rindler Quanta, and the Unruh Effect: A Primer on Some Aspects of Quantum Field Theory," *Philosophy of Science* 70: 164-2002.
- (2003). "A Matter of Degree: Putting Unitary Inequivalence to Work," *Philosophy of Science* 70 [Proceedings]: 1329-1342.
- (2003). "Modal Semantics, Modal Dynamics, and the Problem of State Preparation," *International Studies in the Philosophy of Science* 17: 25-41.
- (2002). (with Rebecca Kukla), "Contingent Natures and Virtuous Knowers: Could Epistemology be 'Gendered'?" *Canadian Journal of Philosophy* 32: 389-418.
- (2002). "Interpreting Quantum Field Theory," *Philosophy of Science* 69: 348-378.
- (2002). "Interpreting Quantum Theories," in Peter Machamer and Michael Silberstein, (eds.), *The Blackwell Guide to the Philosophy of Science* (Malden, MA: Blackwell), 199-226.
- (2002). (with Aristidis Arageorgis and John Earman), "Weyling the Time Away: the Non-Unitary Implementability of Quantum Field Dynamics on Curved Spacetime and the Algebraic Approach to QFT," *Studies in the History and Philosophy of Modern Physics* 33: 151-184.

(2000). "Toward the Pale: Smolin and the *Limits of Science*," in M. Carrier, G. Massey, and L. Ruetsche (eds.), *Science at the End of the Century: Prospects and Limits of Science* (University of Pittsburgh Press), 61-75.

(1999). (with Rob Clifton), "Changing the Subject: Redei on Causal Dependence and Screening Off in Relativistic Quantum Field Theory," *Philosophy of Science* 66 [Proceedings], S156-S169.

(1999). (with Gordon Belot and John Earman), "Anatomy of a Controversy: the Hawking Information Loss Paradox," *British Journal for the Philosophy of Science* 50: 189-229.

(1998). "How Close is Close Enough?," in D. Dieks and P. Vermaas (eds.), *The Modal Interpretation of Quantum Mechanics* (Dordrecht: Kluwer), 223-240.

(1996). "Van Fraassen on Preparation and Measurement," *Philosophy of Science* 63[Proceedings]: S338-S346.

(1995). "Measurement Error and the Albert-Loewer Problem," *Foundations of Physics Letters* 8: 331-348.

*Book Reviews:*

(2004). Review of Meinard Kuhlman, Holger Lyre, and Andrew Wayne (eds.), *Ontological Aspects of Quantum Field Theory*, *International Studies in the Philosophy of Science* 18: 98-101.

(2004). Review of Elizabeth Potter's *Gender and Boyle's Law of Gasses* (Bloomington: Indiana University Press, 2001), *Hypatia* 19 [Special Issue: Feminism and Science, Lynn Hankinson-Nelson and Alison Wylie, co-editors]: 297-302.

(2001). Review of Karen Knorr-Cetina, *Epistemic Cultures*, *Metascience* 10: 85-90.

(2000). Review of E. Castellani (ed.), *Interpreting Bodies: Classical and Quantum Objects in Modern Physics*, *Studies in the History and Philosophy of Modern Physics*: 413-17.

(1998). Review of Jeffrey Bub, *Interpreting the Quantum World*, *British Journal for the Philosophy of Science* 49: 637-641.

*Editorial Contributions:*

(2006). Editorial advisory board, S. Sarkar (ed.), *The Philosophy of Science: an Encyclopedia* (New York: Routledge).

(2000). Editor, with Martin Carrier and Gerald Massey, *Science at the End of the Century: Prospects and Limits of Science* (University of Pittsburgh Press).

(1993). Contributing Editor, *The Collected Papers of Albert Einstein*, vol. 5 (Princeton University Press).

**PRESENTING**

Lecturer, XXIst Urbino (Italy) International Summer School in the Philosophy of

Physics: Philosophy of Quantum Field Theory (June 2018).

“Additivity Principles for Quantum Probabilities,” Philosophy of Probability Workshop, University of Washington (Seattle, WA: April 2018).

“Virtue and Contingent History: Concretizing the Epistemology of Science,” Conference on Virtue, Technology, and the Good Life, University of Notre Dame (South Bend, IN: April 2018).

“Why Philosophers (Should) Care About Black Holes,” The Black Hole Initiative, Harvard University (Cambridge, MA: March 2018).

“Perturbing Realism,” invited talk, University of California-Berkeley Department of Philosophy (January 2018) and Columbia-Rutgers Workshop on the Metaphysics of Science (New Brunswick, NJ: May 2018).

“The History of Future Science: Pragmatic and Perennial Approaches to the Philosophy of Science,” University of Pittsburgh (March 2017), University of Bristol (UK) (May 2017).

“Effecting Empiricism,” Philosophy of Science Association Meeting (Atlanta, GA; November 2016), University of Illinois-Chicago (May 2017), University of Bergen (Norway) (June 2017).

“Renormalization Group Realism: An Unduly Skeptical Review,” invited talk, Workshop on QFT (Leeds, UK; September 2016).

“The Problem of Parochial Observables Revisited,” invited talk, Field Theories Workshop, Pittsburgh Center for the Philosophy of Science (April 2016).

“Effective theories and ineffective interpretations,” invited talk, MIT Department of Philosophy (Cambridge, MA; October 2015); Conference on science and metaphysics (Paris, France; December 2015)

“What is it like to be a Woman in Philosophy of Physics?” Department Colloquium, Eastern Michigan University (Ypsilanti, MI; April 2014); Department Colloquium, University of California-Los Angeles (March 2015); invited talk, Pittsburgh Center for Philosophy of Science Conference in Honor of Jim Bogen (March 2015).

“Developing the Scientific Image: The Quantum Darkroom,” Lakatos Prize Address, London School of Economics (October 2014).

“The unrationalized effectiveness of non-fundamental physics,” Lakatos Award Conference on Philosophy of Physics, London School of Economics (October 2014); University of California-Irvine Department Colloquium (March 2015).

““Naturalistic”” Metaphysics and the Interpretation of Quantum Theories,” invited talk, Conference on Metaphysics within and without Physics, University of Western Ontario (London, Ontario; June 2014); keynote address, annual meeting of the British Society for the Philosophy of Science (Cambridge, UK; July 2014); invited talk, Duke University (Durham, NC; March 2017).

“Warming up to the thermal time hypothesis,” Time and the Quantum Conference, Pittsburgh Center for the Philosophy of Science (March 2014).

“If quantum mechanics were true, we’d have no reason to believe it – and other problems for scientific realism,” Fort Lewis College Philosophy Club (Durango, CO; October 2013); Keynote Address at St. Louis University’s Undergraduate Philosophy Conference (March 2014); invited talk at Franklin and Marshall College (Lancaster, PA; February 2016).

“Joe’s intestines,” Remarks at a memorial colloquium for Joe Camp (Pittsburgh, PA; September 2013).

Chairs’ Roundtable participant and “Pockets of Progress” Panel Discussion Leader, Diversity in Philosophy Conference (Dayton, OH; May 2013).

“Metaphysics and Methodology: Naturalist and Locavore Approaches to Interpreting Physical Theories,” Structure in Physics Conference, Rutgers University (New Brunswick, NJ; April 2013); Workshop on Ontology and Methodology, Virginia Tech University (Blacksburg, VA; April 2013).

“The Problem of Scientific Realism: Lessons from Quantum Theories,” Ohio University Lecture in Philosophy of Science (Athens, OH; March 2013); Keynote Talk, Northern Illinois University Graduate Student Conference (DeKalb, IL; April 2013).

“Reply to commentators,” Book Bash for Ruetsche’s *Interpreting Quantum Theories* and Belot’s *Geometric Possibility*, University of Western Ontario (London, Ontario; September 2012).

“Locavore Philosophy of Science,” contribution to the symposium “Arthur Fine’s *The Shaky Game* at 25,” Pacific Division Meeting of the American Philosophical Association, (Seattle, WA; March 2012).

“Take it to the (thermodynamic) limit,” Workshop on Emergence and Effective Field Theories, Perimeter Institute (Waterloo, Ontario; October 2011).

“Realism and the interpretation of quantum theories,” Keynote address at Philosophy of Science Conference, University of Colorado (Boulder, CO; September 2011).

“Symmetry and Physical Equivalence,” seminar, Princeton University Philosophy Department (Princeton, NJ; October 2011).

“The limits of representation,” Workshop on Emergence and the Thermodynamic Limit, Boston Colloquium in the Philosophy of Science (March 2011).

“Realism and the interpretation of quantum theories,” University of Wisconsin-Milwaukee (October 2010).

“Why be Normal?” Conference on QFT, University of Western Ontario (London, Ontario; April 2009).

“Probabilities in QFT and the Thermodynamic Limit of QSM,” Conference on the Probable and the Improbable: The Meaning and Role of Probability in the Foundations of Contemporary Physics (Jerusalem, Israel; December 2008).

“Interpreting  $QM_{\infty}$ ,” New Directions in the Foundations of Physics VII (College Park, MD; May 2008).

“The Maximal Beable Program in Quantum Field Theory,” 13<sup>th</sup> International Congress of Logic, Methodology, and Philosophy of Science (Beijing, China; August 2007).

“Some Ado About Nothing,” Philosophy Department, University of Washington (October 2006); Philosophy Department, UCLA (April 2007).

“Aristotle, the Forgotten Feminist,” Philosophy Department, Occidental College, (Los Angeles, CA; April 2007).

“The Secret Lives of Electrons,” Seminar, Center for the Advanced Study of the Behavioral Sciences (Stanford, CA; February 2007).

“Why Quantum Mechanics Disturbed Einstein,” Ever Since Einstein Conference (Pittsburgh, PA; October 2005); Physics Department, University of Wisconsin-Whitewater (December 2005).

“Microphysics and Emergence,” the First Abdera International Forum in the History and Philosophy of Physics (Abdera, Thrace; July 2005).

“Necessity, Contingency, and the Content of Physical Theories,” Metaphysical Society of America Meeting (Pittsburgh; March 2005).

“Johnny’s So Long at the Ferromagnet,” Philosophy of Science Association Meeting (Austin, TX; November 2004).

“Realism about What?” Pittsburgh Center for the Philosophy of Science Annual Lecture Series (January 2004).

“The Unruh Effect *without* Rindler Quanta,” Conference on Foundations of Physics, University of Western Ontario (London, Ontario; May 2003).

“A rough guide to intrinsically mixed states,” Rob Clifton Memorial Conference (College Park, MD; May 2003).

“Equilibrium and its Micro-analysis,” Author Meets Critics: Sunny Auyang, Pacific APA (San Francisco, CA; March 2003).

“A Matter of Degree: Putting Unitary Inequivalence to Work,” lunchtime talk, Pittsburgh Center for the Philosophy of Science (April 2002); Conference on New Directions in the Foundations of Physics (College Park, MD; May 2002); Philosophy of Science Association Conference (Milwaukee, WI; November 2003).

“Good Science, Better Science: How Gender Might Matter,” Clarion University Celebration of Women in Science (Clarion, PA; September 2002).

“Gender and the Epistemic Dimension of Scientific Inquiry,” Conference on Science and Society, Carleton University (Ottawa, Ontario; March 2001).

(with Rebecca Kukla) “Can Epistemology be Gendered?” Tamara Horowitz Memorial Session, Eastern APA (NY, NY; December 2000).

“In Space, No One Can Hear You Steam: Rindler Quanta, Hawking Radiation and the Interpretation of Quantum Field Theory,” University of California-Irvine and University of California-San Diego joint colloquium (October 2000); Rutgers University Philosophy Colloquium (New Brunswick, NJ; November 2000); Columbia University Philosophy of Science Study Group (NY, NY; January 2001); and Conference in Honor of Arthur Fine (Chicago; March 2001).

“Semantics and Dynamics, Preparation and Measurement,” Yale University Philosophy Department (January 2001); Barnard College Philosophy Department (January 2001).

“Interpreting Quantum Field Theory,” Bar-Hillel Colloquium for the History, Philosophy and Sociology of Science (Jerusalem, Israel; April 2000); lunchtime talk, Pittsburgh Center for the Philosophy of Science (April 2000).

“The Hawking Information Loss Paradox and Spacetime Structure,” Fifth International Conference on the History and Foundations of General Relativity (Notre Dame, IN; July 1999).

“Three Spheres for Realism,” University of Kansas Philosophy Department (Lawrence, KS; October 1998); University of Bowling Green Philosophy Department (Bowling Green, OH; October 1998).

“Changing the Subject: Redei on Causal Dependence and Screening off in Relativistic Quantum Field Theory,” Philosophy of Science Association Conference, (Kansas City, MO; October 1998).

“Consilliness: the Convergence of Three Crazy Ideas in Quantum Cosmology,” invited talk, conference (in honor of David Sipfle) on Freedom, Time and Physics, Carleton College (Northfield, MN; May 1998).

Comments on Tim Maudlin’s “Descrying the World in a Wave Function,” conference on Quantum Mechanics and Metaphysics, Rutgers University (New Brunswick, NJ; April 1998).

“Becoming Disciplinarian; Becoming Interdisciplinary,” Panelist, Society for Literature and Science Conference (Pittsburgh, November 1997).

“Smolin and Rescher on the Limits of Science,” Fourth Pittsburgh-Konstanz Colloquium on the Philosophy of Science (Pittsburgh, October 1997).

“Virtue and Contingent History: Aristotelian and Feminist Epistemologies of Science,” University of Western Ontario (London, Ontario; November 1996); University of Michigan Philosophy Department (Ann Arbor, MI; March 1999); Cornell University Philosophy Department (Ithaca, NY; April 1999).



“Explaining the Gender Gap in Science,” Colgate University Center for Women’s Studies (Hamilton, NY; November 1996).

“The Miracles Argument Meets Quantum Mechanics,” SUNY-Albany Philosophy Department (November 1996); University of Toledo Philosophy Department (February 1997).

“Van Fraassen on Preparation and Measurement,” Philosophy of Science Association Conference (Cleveland, OH; October 1996).

“How Close is Close Enough?” Modal Interpretations Conference (Utrecht, The Netherlands; June 1996).

“When Many Minds are Not Enough,” lunchtime talk, Pittsburgh Center for the Philosophy of Science (January 1994).

### TEACHING

University of Michigan:

Foundations of QFT (graduate research seminar)  
Philosophy of Physics for Philosophers (graduate survey seminar)  
Quantum Mechanics and Realism (graduate survey seminar)  
Philosophy of Quantum Mechanics (400-level course)  
Science and Gender (400-level course)  
Introduction to Philosophy of Science (400-level course)  
Ancient Philosophy (300-level course)  
Worldviews of Modern Science (300-level course)  
Mathematical Logic (300-level course)  
Honors Introduction to Logic (200-level course)  
“Computer Assisted” Introduction to Logic (100-level course)

University of Pittsburgh:

*Graduate Courses:* Core Seminar in Philosophy of Science, Philosophy of Quantum Mechanics, Experiment and Practice, Philosophy of Physics, Logical Positivism, Feminist Science Studies, Plato’s *Timaeus* and Aristotle’s *Physics* (directed reading)

*Undergraduate Courses:* Philosophy of the Physical Sciences, Theory of Knowledge, Gender and Science, 20<sup>th</sup> Century Analytic Philosophy, Philosophy for Engineers, Introduction to Philosophy of Science, Introduction to Logic, Introduction to Ethics, Introduction to Philosophical Problems.

*Dissertation Direction* (Michigan): Chip Sebens (defended 4/15; post-doc at Cal Tech; tenure track job at UCSD), (Pitt): Arthur Cunningham (Philosophy, defended 10/10; tenure track job at St. Olaf College [8/09-present]), Greg Frost-Arnold (HPS, defended 4/06, tenure track jobs at UNLV [8/06-8/09] and Hobart and William Smith College 8/09- present])

*Dissertation Committees* (Michigan): Eli Lichtenstein, Sydney Keough; Dan Peterson (defended 6/13), Lina Jansson (defended 6/11), Kevin Coffey (defended 7/10), Amanda Roth (defended 5/10); (Pitt): Mike Miller (HPS); Elay Shech (HPS, defended 3/15); Leif Hancox-Li (HPS, defended 3/15); Bryan Roberts (HPS, defended 5/12); Karen Frost-Arnold (Philosophy, defended 9/08), Chris Wüthrich (HPS, defended 7/06), Doreen Fraser (HPS, defended 4/06), Ari Duwell

(HPS, defended 8/04), Kevin Davey (Philosophy, defended 10/03), Wendy Parker (HPS, defended 8/03), Chris Smeenk (HPS, defended 8/03), Peter Bokulich (Notre Dame, Philosophy, defended 11/02), ), Chris Martin (HPS, defended 2/02), Hans Halvorson (Philosophy, defended 3/01), Elizabeth Paris (HPS, defended 4/99). Leeds: James Fraser (defended 9/16).

Rutgers University

*Graduate Courses:* Philosophy of Quantum Mechanics

*Undergraduate Courses:* Philosophical Issues in Feminism, Contemporary Movements in Philosophy, Introduction to Philosophy

Cornell University

*Graduate/upper level undergraduate courses:* Plato, Philosophy of Physics

Middlebury College

*Undergraduate Courses:* Intermediate Logic, Philosophy of Science, Philosophy of Quantum Mechanics, Gender & Science, Philosophy of Language, Philosophy of Mind, Modern Philosophy, Zeno's Paradoxes (First Year Seminar), Introduction to Logic

SERVING

Michigan Philosophy Department:

Chair, 2011-2014

Chair's Committee, 2015-2017

Teaching Mentor (for 2 assistant professors), March 2016-present

Ombudsman, 2010- 2011; 2016-2017

GSI Evaluation Committee, 2017-2018

Chair of junior and senior search committees, 2010-2011

GSI Coordinator, 2009-2010

Library Committee Chair, 2009-2010

Admissions Committee, 2008-2009, 2015-2016

Undergraduate advisor, Winter 2009

University of Michigan:

Member of UM ADVANCE STRIDE Committee, 2015- present

Member of the Provost's Council on Student Honors, 2008-2015

Pittsburgh philosophy Department (primary appointment):

Director of Graduate Studies, 2003-2008

Special Committee on the Graduate Program, 2003-2004

Undergraduate advisor, 1999-2000

Admissions Committee, 1999-2000

TA/TF Supervisor, 1997-1998, 2001-2002

Philosophy Club Advisor, 1997-1998

Ad Hoc Committee on Teaching/Research Equivalent, 1997

Prize Committee, 1996-1998, 2001-2002

Graduate Committee, 1996-1997; 2003-2008 [chair]

Pittsburgh History and Philosophy of Science Department (secondary appointment):

Regular participation in graduate admissions, graduate student evaluation, comprehensive examinations, hiring and curricular planning (1996-2008)

Pittsburgh Center for the Philosophy of Science:  
Associate Director, 1997-2000, 2005-2006  
Membership Committee, 1998  
Annual Lecture Series Committee, 1998-1999, 2002

University of Pittsburgh:  
Elected (by the Arts and Science faculty) to Arts and Sciences Planning and Budgeting Committee, 2003-2005  
Elected (by the A&SPBC) to the Provost's Area Planning and Budget Committee, 2003-2005  
Drafted (by the A&S Dean) to the Provost's Area Planning and Budget Committee, 2005-2006  
Ad hoc committee on tenure, March 2004

Conference Organization:  
Faculty Liaison, COMPASS at Michigan: A Workshop for Students Considering Graduate School in Philosophy, 2016-present.  
Organizing Committee, Early Career Workshop in History and Philosophy of Physics (Pittsburgh, April 2019)  
Program Committee, European Philosophy of Science Association Annual Conference, 2015.  
Organizing committee, Larryfest, a conference in honor of Larry Sklar (Ann Arbor, May 2011)  
Organizer, CAMP OUT! A conference in honor of Joe Camp on the occasion of his retirement (Pittsburgh, April 2006)  
Organizing committee, Einstein: A Centenary Celebration (Pittsburgh, February, 2005)  
Organizing committee: Symmetry in Physics (Pittsburgh, Spring 2008)

Philosophy of Science Association:  
Governing Board, 2006 -2008; 2016- present  
Chair, Lecture and Awards Committee, 2016  
Women's Caucus Prize Committee 2010-2012  
Program Committee for the 2008 PSA Meetings  
Governing Board, 2006 – 2008  
Women's Caucus Steering Committee, 2006  
Nominations Committee, 2002-2004  
Graduate Student Prize Committee, 2004

Site visits/external reviews:  
APA Committee on the Status of Women site visitor, June 2015  
Member, External Review Committee for the Philosophy Department at the University of North Carolina at Chapel Hill, February 2016

Journal work:  
Editor, *Foundations of Physics*, 2016 – present  
Associate Editor, *Philosophy of Science*, April 2009 – April 2012  
Editorial Board of *Studies in the History and Philosophy of Modern Physics* (2003-present), *Philosophy of Science* (2012-present), *Springer Briefs in Philosophy of Physics* (2013 – present); *Springer Briefs in Physics* (2016- present), *Metascience* (2016-present)

Book Review Committee for *The Philosophical Review*, Spring 1999

Referee for *Hypatia*, *Philosophy of Science*, *The British Journal for the Philosophy of Science*, *Studies in the History and Philosophy of Modern Physics*, *Erkenntnis*, *European Journal for Philosophy of Science*, *The American Journal of Physics*, *Foundations of Physics*, *The Journal of Statistical Physics*, *Nous*, *Synthese*, *Physical Review Letters*, *Annals of Physics*, the University of Minnesota Press, Cambridge University Press, Blackwell Publishers, Oxford University Press, the National Science Foundation, and the Israeli Science Foundation.

Other Service:

Senior Faculty Affiliate, Black Hole Institute, Harvard University

External letter writer for >35 promotion cases at a wide variety of institutions.

Reviewer for *Mathematical Reviews*

Ranker, Philosophy Gourmet Report

Member of State Selection Committees for the Rhodes Scholarship in Ohio (1990, 1992), Kentucky (1993), New Hampshire (1994, 1995), and Pennsylvania (1997-1999, 2001) and of the Selection Committee for the Great Lakes District (1992), District II (1996), and District IX (2005)