

**James G. Lennox**

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**Degrees**

1971	BA (Honors), York University (Toronto)
1973	MA, University of Toronto, Philosophy
1978	Ph. D., University of Toronto, Philosophy

**Academic Positions**  
**University of Pittsburgh**

2018-Present	Professor Emeritus, History and Philosophy of Science
1993-2018	Professor of History and Philosophy of Science
1983-1993	Associate Professor of History and Philosophy of Science
1978-1983	Assistant Professor of History and Philosophy of Science
1977-1978	Instructor, History and Philosophy of Science

**Administrative Appointments**

2008-2015	Director, Classics, Philosophy and Ancient Science Program
1997-2005	Director, Center for Philosophy of Science
Spring 2011	Interim Director, Center for Philosophy of Science
1993-1996	Department Chair, History and Philosophy of Science
Spring 2010	Acting Department Chair, History and Philosophy of Science
2014-2015	Acting Department Chair, History and Philosophy of Science

**Secondary Appointments**

1987-2018	Department of Classics
1980-2018	Resident Fellow, Center for Philosophy of Science
1978-2018	Department of Philosophy

**Areas of Current Research**

Classical Greek Philosophy and Science, Darwin and Darwinism, History and Philosophy of Biology, Early Modern Aristotelianism, Conceptual Change in Science

**Other Areas of Interest**

Epistemology, Philosophy of Perception, History and Philosophy of Medicine, Neo-Aristotelian Philosophy of Science, Objectivism

### Books in Preparation

Preparation of translation and commentary of Aristotle's *Meteorology* IV for Oxford University Press, at the request of the editors of the Clarendon Aristotle Series. Joint project with Professor Mary Louise Gill (Classics, University of Pittsburgh). **Under contract.**

### Publications

#### Monographs

- 2001 [\*Aristotle's Philosophy of Biology: Studies in the Origins of Life Science\*](#) (Studies in Biology and Philosophy Series), Cambridge: Cambridge University Press.
- 2001 [\*Aristotle: On the Parts of Animals, translation with introduction and commentary\*](#) (Clarendon Aristotle Series), Oxford University Press.
- 2021 *Aristotle on Inquiry: Erotetic Frameworks and Domain-Specific Norms*, Cambridge University Press.

#### Edited Collections

- 2013 Allan Gotthelf and James G. Lennox, eds. *Concepts and Their Role in Knowledge: Reflections on Objectivist Epistemology*, Pittsburgh: Pittsburgh University Press.
- 2011 Allan Gotthelf and James G. Lennox, eds. *Metaethics, Egoism, and Virtue: Studies in Ayn Rand's Normative Theory*, Pittsburgh: University of Pittsburgh Press.
- 2010 James G. Lennox and Robert Bolton, eds. [\*Being, Nature, and Life in Aristotle\*](#), Cambridge: Cambridge University Press.
- 1995 Gereon Wolters and James G. Lennox, eds. [\*Concepts, Theories, and Rationality in the Biological Sciences\*](#), Konstanz University Press and Pittsburgh University Press, Konstanz
- 1994 Mary Louise Gill and James G. Lennox, eds. [\*Self-Motion from Aristotle to Newton\*](#), Princeton University Press, Princeton

- 1987 Allan Gotthelf and James G. Lennox, eds. [\*Philosophical Issues in Aristotle's Biology\*](#), Cambridge University Press, Cambridge

### Published Articles and Chapters

- 2021 “Most Natural Among the Functions of Living Things”, in Giouli Korobili and Roberto Lo Presti, eds. *Nutrition and Nutritive Soul in Aristotle and Aristotelianism*, De Gruyter 2021, 3-20.
- “Form as Cause and the Formal Cause: Aristotle’s Answer” in Ludger Jansen and Petter Sandstad, eds. *Neo-Aristotelian Perspectives on Formal Causation*, Routledge 2021, 225-237.
- “Biology and Cosmology in Aristotle”, in Ricardo Salles, ed., *Cosmology and Biology in Ancient Philosophy: From Thales to Avicenna*, Cambridge University Press, 2021, 109-130.
- “Accentuate the Negative: Locating Possibility in Darwin’s ‘Long Argument’”, *Studies in History and Philosophy of Science* 87 (2021): 147-157.
- “Ayn Rand and Objectivism”, in Stephen Bullivant and Michael Ruse eds., *The Cambridge History of Atheism*, Cambridge University Press, 647-665.
- “Connections not So Obvious: the *Historia animalium* and *De generatione animalium* on generation”, in Thomas Busch and Sabine Föllinger eds.,
- 2020 “Aristotle on the Unity of the Nutritive and Reproductive Functions”, *Phronesis* 65 (4): 414-466. (co-authored with Cameron Coates)
- 2019 “Is Reason Natural? Aristotle’s Zoology of Rational Animals” in Geert Keil and Nora Kreft, eds. *Aristotle’s Anthropology*, Cambridge University Press 2019, 99-117.
- 2018 “*Physics* I.9: Of Matter, the Great and the Small” in Diana Quarantotto ed. *Aristotle on the Principles of the Science of Nature: A Collection of Essays on Physics I*, Cambridge University Press 2018, 226-245.
- “Aristotle, Dissection, and Generation: Experience, Expertise and the Practices of Knowing”, chapter 13 in *Aristotle’s Generation of Animals: A Critical Guide*, Andrea Falcon and David Lefebvre eds. Cambridge University Press, 2018, 249-272.

“Aristotle and the Origins of Zoology”, in *The Cambridge History of Science: Volume 1*, Alexander Jones and Liba Taub (eds.), Cambridge University Press, 2018, chapter 12, 215-237.

“Aristotle”: Original published in Italian as “Aristoteles”, in: Lorenzo Perilli and Daniela Taormina eds. 2018. *Ancient Philosophy: Textual Paths and Historical Explorations*. London and New York: Routledge, chapter 11, 361-404. This is an English edition of “Aristotele”, in *La Filosofia Antica: Itinerario Storico e Testuale* (SEE BELOW)

- 2017 ‘An Aristotelian Philosophy of Biology: Form, Function and Development’, *Acta Philosophica* I: 26 (2017), 33-51.
- “William Harvey: Enigmatic Aristotelian of the Seventeenth Century”, chapter 9 in *Teleology in the Ancient World*, Julius Rocca, ed., Cambridge University Press, 2017, 169-200.
- 2016 ‘“Who sets the tone for a culture?": Ayn Rand’s Approach to the History of Philosophy’, in *A Companion to Ayn Rand*, Allan Gotthelf and Gregory Salmieri eds., Malden, MA: Wiley Blackwell, 321-342.
- 2015 ‘How to Study Natural Bodies: Aristotle’s *Methodos*’, ch. 1 in *Cambridge Companion to Aristotle’s Physics*, M. Leunissen ed., Cambridge: Cambridge University Press, 10-30.
- ‘Aristotle on the Biological Roots of Virtue: the Natural History of Natural Virtue’ reprinted, ch. 9 in D. Henry and K. M. Nielsen eds., *Bridging the Gap between Aristotle’s Science and Ethics*, Cambridge: Cambridge University Press, 2015, 193-213.
- ‘Aristotle’s *Posterior Analytics* and the Aristotelian *Problemata*’, in Robert Mayhew ed., *The Aristotelian Problemata Physica: Philosophical and Scientific Investigations*, Leiden: Brill, 2015, 31-60.
- 2014 ‘Aristotle on the Emergence of Material Complexity: *Meteorology* IV and Aristotle’s Biology’, *HOPOS* 4.2 (Fall 2014), 272-305
- ‘Preparing for Demonstration: Aristotle on Problems’ published as part of a Book Symposium (edited by me, and including papers by David Bronstein, David Charles, Greg Salmieri and myself): “Episteme, demonstration, and explanation: A fresh look at Aristotle’s *Posterior Analytics*.” *Metascience* (2014) 23: 1-35. <DOI 10.1007/s1 1016-013-9815-1.>

- 2013 'Darwin and Teleology', Chapter 17 in Michael Ruse (ed.) *The Cambridge Encyclopedia of Darwin and Evolutionary Thought*. Cambridge: Cambridge University Press, 152-157.
- 'Biological Teleology: The Need for History' (with Kostas Kampourakis), in Kostas Kampourakis (ed.) *Philosophy of Biology: A Companion for Educators*. Dordrecht: Springer, 421-454.
- 2012 'The Complexity of Aristotle's Study of Animals', Chapter 12 in Christopher Shields (ed.) *The Oxford Handbook of Aristotle*. Oxford: Oxford University Press, 287-305.
- 'Aristotele', Capitolo 11 in Lorenzo Perilli e Daniela P. Taormina (eds.) *La Filosofia Antica: Itinerario Storica e Testuale*. Milano: UTET Università, 272-308. [**English edition 2018**: 'Aristotle', chapter 11 in Lorenzo Perilli and Daniela P. Taormina (eds.) *Ancient Philosophy: Textual Paths and Historical Explorations*. London and New York: Routledge, 361-403.]
- 2011 'Aristotle on Norms of Inquiry', *HOPOS*, Vol. 1, No. 1 (Spring 2011), 23-46.
- 2010 'The Darwin/Gray Correspondence 1857-1869: An Intelligent Discussion about Chance and Design', *Perspectives on Science* 18.4 (Winter 2010), 456-479.
- 'Bios, Praxis and the Unity of Life in Aristotle's Biology', in Sabine Föllinger (ed.): *Was ist 'Leben'? Aristoteles' Anschauungen zur Entstehungsweise und Funktion von Leben*. Akten der Tagung vom 23.-26. August 2006 in Bamberg, Stuttgart: Franz Steiner Verlag 2009, 239-259.
- 'The unity and purpose of *On the Parts of Animals I*' in James G. Lennox and Robert Bolton (eds.): *Being, Nature, and Life in Aristotle*, Cambridge: Cambridge University Press 2010, 56-77.
- 'Aristotle's Natural Science: the Many and the One' in, James Leshner, ed. *From Inquiry to Demonstrative Knowledge: New Essays on Aristotle's Posterior Analytics*, *Apeiron* 43, nos. 2-3 (June-September 2010), 1-23.
- 'Bios and Explanatory Unity in Aristotle's Biology' in David Charles, ed. *Definition in Greek Philosophy*, Oxford: Oxford University Press, 329-355.

- ‘La fonction biologique: Phylogénie d’un Concept’, in Jean Gayon et Armand de Ricqlès, eds., *Les fonctions : des Organismes aux Artefacts*, Paris: Presses Universitaires de France, 2010, 17-42.
- 2009 ‘Aristotle on Mind and the Science of Nature’, in Marietta Rossetto, Michael Tsianikas, George Couvalis and Maria Palaktsoglou (eds.), *Greek Research in Australia: Proceedings of the Biennial International Conference of Greek Studies, June 2009*, Flinders University Department of Languages 2009, 1-18.
- ‘*De caelo* II 2 and its Debt to *De Incessu Animalium*’, in Alan C. Bowen and Christian Wildberg, eds., *New Perspectives on Aristotle’s De Caelo* (Philosophia Antiqua Vol. 117), Leiden and Boston: Brill, 2009, 147-214.
- ‘Form, Essence, and Explanation in Aristotle’s Biology’, chapter 22 in Georgios Anagnostopoulos, ed., *A Companion to Aristotle*, London: Blackwell Publishing, 2009, 348-67.
- ‘Aristotle’, in Michael Ruse & Joseph Travis, eds. *Evolution: The First Four Billion Years*, Cambridge MA: The Belknap Press of Harvard University Press, 422-427.
- ‘The Evolution of Darwinian Thought Experiments’ and ‘Thought Experiments in Evolutionary Biology Today’, chapters 2 and 4 in W. J. Gonzalez (ed.), *Evolutionism: Present Approaches*, La Coruña: Netbiblio, 2009, 63-76, 109-120.
- 2008 ‘From Darwin to Neo-Darwinism’, chapter 5, in Sahotra Sarkar and Anya Plutynksi, eds. *A Companion to Philosophy of Biology*, Malden, MA: Blackwell Publishing Ltd.
- “ ‘As if we were investigating snubness’: Aristotle on the prospects for a single science of nature”, *Oxford Studies in Ancient Philosophy*, 2008 (Vol. XXXV), 149-186.
- 2007 ‘William Harvey’s Experiments and Conceptual Innovation’, *Medicina & Storia*, 12/2006, 5-27.
- 2006 ‘[Aristotle’s Biology](#)’, Edward N. Zalta, ed. *The Stanford Encyclopedia of Philosophy*.
- ‘The Philosophy of Biology’, entry for Donald Borchert, editor-in-chief, *Encyclopedia of Philosophy*, 2<sup>nd</sup> edition.

- ‘The Comparative Study of Animal Development: William Harvey’s Aristotelianism’, chapter 1, in Justin Smith, ed. *The Problem of Animal Generation in Modern Philosophy*, Cambridge: Cambridge University Press, 21-46.
- ‘Aristotle’s Biology and Aristotle’s Philosophy’, chapter 16, in Mary Louise Gill and Pierre Pellegrin, eds., *A Companion to Ancient Philosophy* (Blackwell Companions to Philosophy Series), London: Blackwell, 2006, 292-315.
- 2005 ‘Aristotle’, in *Encyclopedia of Social Measurement* (K. Kempf-Leonard, ed.), San Diego: Elsevier Science Press, 83-90.
- ‘Darwin’s Methodological Evolution’, *Journal of the History of Biology*, 38/1 (March 2005), 85-99.
- ‘The Place of Zoology in Aristotle’s Natural Philosophy’, in R. W. Sharples, ed., *Philosophy and the Sciences in Antiquity*, London: Ashgate, 2005, 58-70.
- ‘Getting a Science Going: Aristotle on Entry Level Kinds’, in G. Wolters, ed., *Homo Sapiens und Homo Faber* (Festschrift Mittelstrass), Berlin: Walter De Gruyter, 2005, 87-100.
- 2004 ‘Darwinism’, Edward N. Zalta, ed. *The Stanford Encyclopedia of Philosophy* [updated 2009, 2015].
- 2002 ‘Che bene è un adattamento?’, *Iride*, Vol. XV, 521-535.
- 2001 ‘Aristotle on the Unity and Disunity of Science’, *International Studies in the History and Philosophy of Science*, 2001, Vol. 15/2, 133-144.
- ‘History and Philosophy of Science: A Phylogenetic Approach’, *História, Ciências, Saúde*, Vol. VIII, No. 3 (October-December 2001), 655-668.
- 1999 ‘Aristotle on the Biological Roots of Human Virtue’, chapter 1, in Jane Maienschein and Michael Ruse, eds., *Biology and the Foundations of Ethics*, Cambridge, 1999, 10-31.
- ‘The Place of Mankind in Aristotle’s Zoology’, *Philosophical Topics*, 27/1 (Spring 1999), 1-16.
- 1997 ‘Greek Science’, in David Zeyl, ed. *The Encyclopedia of Classical Philosophy*, Princeton, 1997 476-484.

- ‘Nature does nothing in vain’, in *Beiträge zur antiken Philosophie. Festschrift für Wolfgang Kullmann, Herausgegeben von Hans-Christian Günther und Antonios Rengakos (mit einer Einleitung von Ernst Vogt)*, Stuttgart: Franz Steiner Verlag, 199-214.
- ‘Charles Darwin’, in Don Garrett, ed. *Encyclopedia of Empiricism*, Westport: Greenwood Press, 1997 78-80.
- 1996 ‘Aristotle’s Biological Development: the Balme Hypothesis’, chapter 10 in W. Wians, ed. *Aristotle’s Philosophical Development: Problems and Prospects*, Savage, MD: Rowman and Littlefield, 1997, 229-248.
- ‘Putting Philosophy of Science to the Test: the Case of Aristotle’s Biology’, in Micky Forbes, David Hill, R. M. Burian, eds. *PSA: 1994 Volume 2*, Chicago: University of Chicago Press, 239-247.
- ‘Material and Formal Natures in Aristotle’s De Partibus Animalium’, in John J. Cleary and W. Wians, eds. *Proceedings of the Boston Area Colloquium of Ancient Philosophy*, Volume XI (1995), Lanham MD: University Press of America, 217-240.  
(Reprinted in Sabine Föllinger and Wolfgang Kullmann, eds. *Aristotelische Biologie. Intentionen, Methoden, Ergebnisse*, Stuttgart: Franz Steiner Verlag, 1997, 163-181).
- 1995 ‘The Disappearance of Aristotle’s Biology: A Hellenistic Mystery’, in T. D. Barnes, ed. *The Sciences in Greco-Roman Society*, Edmonton: Academic Printing and Publishing, 7-24.
- ‘Health as an Objective Value’, *The Journal of Medicine and Philosophy*, Vol. 20, 1995 499-511.
- 1994 with Bradley Wilson, ‘Natural Selection and the Struggle for Existence’, *Studies in History and Philosophy of Science*, Vol. 25.1, 1994, 65-80.
- ‘Aristotelian Problems’, *Ancient Philosophy* (Special Issue), Vol. XIV, 1994, 53-77.
- 1993 ‘Darwin was a Teleologist’, *Biology and Philosophy*, Vol. 8 (October), 408-421.
- 1992 ‘Teleology’, in Evelyn Fox Keller and Elisabeth Lloyd, eds. *Keywords in Evolutionary Biology*, Cambridge, MA: Harvard University Press, 1992, 324-333.



- 1991            ‘Between Data and Demonstration: the *Analytics* and the *Historia Animalium*’, chapter 12 of Alan Bowen, ed. *Science and Philosophy in Classical Greece*, New York: Garland Publishing, 1991, 261-295.
- ‘Darwinian Thought Experiments: A Function for Just So Stories’, in Tamara Horowitz, Gerald Massey, eds., *Thought Experiments in Science and Philosophy*, Savage, MD: Rowman and Littlefield, 1991, 173-196.
- 1987            ‘Divide and Explain: the Posterior Analytics in Practice’, in Gotthelf and Lennox, 1987, 90-119. [For details see ‘Edited Collections’ above]
- ‘Kinds, Forms of Kinds and the More and Less in Aristotle’s Biology’, in Gotthelf and Lennox, 1987, 339-359. [See ‘Edited Collections’ above]
- 1986            ‘Aristotle, Galileo and the Mixed Sciences’, in William Wallace, ed. *Reinterpreting Galileo*, Washington D.C.: Catholic University of America Press, 1986, 29-51.
- 1985            ‘Plato’s Unnatural Teleology’, in Dominique O’Meara, ed. *Platonic Investigations*, Washington D.C.: Catholic University of America Press, 1985, 195-218.
- ‘Theophrastus on the Limits of Teleology’, in *Theophrastus of Eresus: On His Life and Works*, New Brunswick, N.J.: Rutgers University Press, 1985, 143-151.
- ‘Are Aristotelian Species Eternal?’, in Allan Gotthelf, ed. *Aristotle on Nature and Living Things*, Pittsburgh/Bristol: Mathesis Publications/Bristol Classical Press, 1985, 67-94.
- 1984            ‘Aristotle on Chance’, *Archiv für Geschichte der Philosophie*, Vol. 66.1, 1984, 52-60.
- ‘Aristotle’s Philosophy of Science and Aristotle’s Biology’, in Marjorie Grene, ed. *Contributions to Philosophy of Science, PSA: Proceedings of the Biennial Meeting of the Philosophy of Science Association*, Volume Two, 1984, 365-377.
- 1983            ‘Aristotle’s Lantern’, *Journal of Hellenic Studies*, Vol. CIII, 1983, 148-151.
- ‘Robert Boyle’s Defense of Teleological Inference in Experimental Science’, *Isis*, Vol. 74, 1983, 38-52.

- 1982 'Teleology, Chance, and Aristotle's Theory of Spontaneous Generation', *Journal of the History of Philosophy*, Vol. 20, 1982, 219-232.
- 1980 'Genera, Species and 'the more and the less' in Aristotle', *Journal of the History of Biology*, Vol. 13, 1980, 321-346.
- 1976 'The Causality of Finite Modes in Spinoza's *Ethics*', *Canadian Journal of Philosophy*, Vol. VI. 3, 1976, 479-500.

### Selected Essay Reviews

- 2014 Essay Review of Michael Ferejohn, *Formal Causes: Definition, Explanation, and Primacy in Socratic and Aristotelian Thought* (Oxford 2013), *Notre Dame Philosophical Reviews*  
<http://ndpr.nd.edu/news/53060-formal-causes-definition-explanation-and-primacy-in-socratic-and-aristotelian-thought/>
- 2010 (With Catherine Day), 'Seeking Darwin's Origins': Essay Review of P. H. Armstrong, *Darwin's Luck*; Keith Thompson, *The Young Charles Darwin*; Adrian Desmond and James Moore, *Darwin's Sacred Cause*, *Victorian Studies*, Vol. 52, No. 3 (Spring 2010), 449-456.
- 1994 'Aristotle's Biology: Plain, but not Simple', a review of D. M. Balme, *Aristotle's De Partibus Animalium I and De Generatione Animalium I*, revised edition, *Studies in History and Philosophy of Science*, Vol. 25, No. 5, 817-823.
- 1991 'Greek Experiments', a review of G. E. R. Lloyd, *Methods and Problems in Greek Science: Selected Papers*, *Times Literary Supplement* (October 25, 1991), 13.
- 1985 'Demarcating Ancient Science: A Discussion of G. E. R. Lloyd's *Science, Folklore and Ideology: the Life Sciences in Ancient Greece*', *Oxford Studies in Ancient Philosophy*, Vol. III, 307-324.
- 1984 'Recent Philosophical Studies in Aristotle's Biology', *Ancient Philosophy*, Vol. IV, 73-82.

### Selected Comments and Discussions

- 1995 'Darwinism: Its Descent and Modifications', in Wolters and Lennox, eds., 27-34.

- 1994 'Teleology by Another Name: A Reply to Ghiselin', *Biology and Philosophy*, Vol. 9, 493-495.
- 1991 'Commentary on Henry C. Byerly and Richard E. Michod's *Fitness and Evolutionary Explanation*' (target article)', in *Biology and Philosophy*, Vol. 6, 33-37.
- 1990 'Notes on David Charles on *HA*', in D. Devereux and Pierre Pellegrin, eds. *Biologie, Logique et Métaphysique chez Aristote*, Paris: CNRS Press, 169-183.
- 1989 'Commentary on Richard Sorabji's *The Greek Origins of the Idea of Chemical Combination*' in John J. Cleary and Daniel C. Shartin, eds. *Proceedings of The Boston Area Colloquium in Ancient Philosophy IV* (1988), Lanham, MD: University Press of America, 64-75.

#### Selected Book Reviews

- 2010 David Sedley, *Creationism and its Critics in Antiquity*, in *Report of National Center for Science Education*, Vol. 30, No. 6 (Nov-Dec 2010), 24-26.
- 2009 Tim Lewens, Darwin, in *Metascience* 18 (2009) 121-124.
- 2007 David Bostock, *Space, Time, Matter, and Form: Essays on Aristotle's Physics*, in *Mind*, Vol. 117, number 465 (January 2008), 170-174.
- 2005 Cristina Viano, ed., *Aristoteles Chemicus: Il IV libro dei Meteorologica nella traduzione antica e medievale in Aestimatio: Critical Reviews in the History of Science*, Vol. 4, 138-147.
- 2005 Thomas Johansen, *Plato's Natural Philosophy*, in *Classical Review*, Vol. 56, No.1, 57-59.
- 2004 John Dupré, *Humans and Other Animals*, in *Philosophical Quarterly*, Vol. 55, 130-133.
- 1997 Daniel Dennett, *Darwin's Dangerous Idea*, in *Review of Metaphysics*, Vol. LI, 652-654.
- 1996 David Depew and Bruce Weber, *Darwinism Evolving*, and Michael Bradie, *The Secret Chain*, in *Quarterly Review of Biology*, Vol. 71.2, 265-654.
- 1994 R. J. Hankinson, *Galen: On Therapeutic Method: Books I and II*, in *Ancient Philosophy*, XIV, 448-452.

- 1994 Robert J. Richards, *The Meaning of Evolution: The Morphological Construction and Ideological Reconstruction of Darwin's Theory*, in *Philosophy of Science*, Vol. 61.4 (December), 673-675.
- 1988 Deborah Modrak, *Aristotle: The Power of Perception*, in *Ethics*, Vol. 99.1, 206.
- 1986 David Charles, *Aristotle's Philosophy of Action*, in *The Philosophical Quarterly*, Vol. 36, 543-549.
- 1980 Martha C. Nussbaum, *Aristotle's De Motu Animalium*, in *Philosophy of Science*, Vol. 47, 156-159.
- 1979 Stephen Gaukroger, *Explanatory Structures*, in *Philosophy of Science*, Vol. 46, 652-654.
- 1978 J. D. G. Evans, *Aristotle's Concept of Dialectic*, in *Review of Metaphysics*, Vol. XXXII, 353-354.

**Invited Lectures: 2000-2019.**

- 2021 Virtual Meeting, May 13-15, 2021. University of South Florida Conference on Non-human Animals in Ancient Greek Philosophy and Religion. Keynote Address: "From Goals to Methods: Aristotle on Animal Inquiry".
- Virtual Meeting, April 21-23, 2021. BSHP Conference on *Women in the History of Philosophy*. Organized and Chaired a Symposium on "Ayn Rand's Place in the History of Philosophy".
- 2020 Philadelphia, PA, January 10, 2020. APA Eastern Division, meeting of the Ayn Rand Society: "Aristotle and Ayn Rand on Metaphysical Axioms" (commentary by Michael Peramatzis)
- 2019 Paris, France, September 5-6, 2019. Conference on *Life and Mind: Aristotelian Themes in Contemporary Philosophy*. "Organisms, Agency, and Aristotle".
- St. John's College, Anapolis, MD, October 11, 2019. "William Harvey's Aristotelianism".
- 2018 San Diego, CA, November 8-11, 2018. Symposium on Division, Society for 21<sup>st</sup> Century Thomism, held in conjunction with the Annual American Catholic Philosophy Association Meetings: "Multi-Axis Division as an Aristotelian Norm of Inquiry".

Rostock Germany, October 22-24, 2018: DFG Conference on Formal Causation: "Form, Life-Form, and Aristotle's *Bios*".

Marburg Germany, August 22-24 2018: Conference on *Aristotle's Generation of Animals: a comprehensive approach*, "Connections not so obvious: the *Historia animalium* and *De generatione animalium* on generation"

Williamstown, MA, Williams College, July 13-15, 2018: *Williamstown Revisited*, (Conference Commemorating the 35<sup>th</sup> anniversary of the Philosophical Issues in Aristotle's Biology conference in Williamstown): "*PIAB*: Its Coming to Be and Its Being".

University of Pittsburgh, April 20-21, 2018: *Investigating Life: A Celebration of the Career of James G. Lennox* (I smiled and laughed a lot).

Washington University, St. Louis, *John and Penelope Biggs Residents in Classics Reunion Conference*, April 11-13, 2018: "Eroteticism: Aristotle on the Epistemic Centrality of Curiosity"

University of Pittsburgh, *Center for Philosophy of Science Annual Lecture Series*, February 9, 2018: "Eroteticism: Aristotle on the Epistemic Centrality of Curiosity"

2017 University of Rochester, September 22-23, 2017. *Aristotle on Mind, Language, and Science: Themes in the Work of Deborah Modrak*: "Self-preservation and Form-preservation: Puzzles about Aristotle's Nutritive Soul"

Sheraton, Station Square, Pittsburgh. *Objectivism Conference (OCON)* June 11-12, 2017: "Two Lectures on the History and Philosophy of Teleology"

Duquesne University, *Pennsylvania Circle for Ancient Philosophy* annual meeting, March 3-5, 2017: Keynote Address (March 3) "Stayin' Alive: Aristotle on Reproduction as a Nutritive Capacity".

Humboldt University, Berlin March 21-23, 2017: Conference on Nutrition and Nutritive Soul in Aristotle & Aristotelianism: *Keynote Address*: "Stayin' Alive: Aristotle on Reproduction as a Nutritive Capacity".

SUNY Brockport, Brockport, NY, April 11, 2017: *Center for Philosophic Exchange* lecture: "Aristotle and Darwin: Antagonists or Kindred Spirits?"

Western University, London Ontario, April 13-14, 2017: Lecture to *Rotman Institute of Philosophy*, “Aristotle and Darwin: Antagonists or Kindred Spirits?” (April 13); “Book Seminar: Aristotle on Norms of Inquiry” (April 14).

2016 Aristotle University of Thessaloniki, *Aristotle 2400 World Congress*, May 23-28, 2016: “A Metaphysics of Life: **Keynote Address** (May 27). Lecture delivered in the archaeological site of Stagira, Aristotle’s birthplace.

University of Minnesota, Minneapolis, *HOPOS International Congress 2016*, June 22-25, 2016: “Aristotle on Induction, Experience and Inquiry” (June 24).

Yale University, New Haven, *Ancient Philosophy Colloquium*, October 14, 2016: “Aristotle on Inquiry: Erotetic Frameworks and Domain Specific Norms”.

Rutgers University, *Aristotle on Practical and Theoretical Knowledge* (Allan Gotthelf Memorial Workshop), October 29, 2016: “The Ontology of Plato’s *Philebus* and Aristotle’s (Biological) Response”.

2015 University of California, Berkeley, March 6-7, 2015: **Keynote Lecture**: “Erotetic Frameworks and Domain-Specific Norms: Aristotle on Norms of Inquiry” (March 6); Workshop: Four Seminar Sessions on Key Passages (March 7)

University of Michigan, Ann Arbor, April 16-17: Seminar: “Induction, Experience and Inquiry” (April 16); Colloquium Lecture: “Aristotle on Inquiry” (April 17)

University of Catania, Catania, Sicily, May 11-12: Lecture One: “Aristotle on Natural Inquiry” (May 11); Lecture Two: “Aristotle on Mind, Soul, and the Science of Nature” (May 12).

2014 Charles University, Prague, June 12-14, 2014: Conference “Aristotle and His Predecessors on Heat, *Pneuma* and the Soul”. My paper: “Why Animals Must Keep Their Cool: Aristotle On Respiration (and other forms of cooling)”.

Catholic University of America, April 4, 2014: Invited Lecture: “Aristotle on Norms for Teleological Inquiry: What is Breathing for?”

Brown University, March 28-29, 2014: Conference on Aristotle's Hylomorphism: Commentator on Michael Peramatzis, "Matter in Scientific Definitions in Aristotle" (Oxford).

Sorbonne, Paris, January 9-11, 2014: Conference, "La Forme et La Nécessité: Sur la Génération des Animaux d'Aristote". Invited to present a memorial tribute to Allan Gotthelf.

2013 Princeton Ancient Philosophy Colloquium, December 7-8, 2013. My paper: "Aristotle on Norms for Teleological Inquiry".

Rutgers University, October 17-18, 2013: Conference on *Aristotle on Experience and Induction*. My paper: "Experience, Expertise and Aristotle's Appeal to Dissections".

University of Chicago, October 11, 2013: Fall Semester Seminar on Human Nature. My paper: "Aristotle on Natures, Essences and Human Nature".

University of Rome (La Sapienza), September 13-14, 2013: Conference on Aristotle's *Physics* Book I. My paper: "All things Great and Small: Responding to the Platonists in *Physics* I. 9."

2012 The Humboldt University in Berlin International Workshop: *From "Animal" to "Man": The medical and philosophical debate on human intelligence and animal perceptual faculties between Aristotelianism, Cartesianism and Post-Cartesianism*: Paper given with Peter Distelzweig, 'Sensation and Locomotion in Aristotle, Fabricius and Harvey', September 27, 2012.

*Biennial Joint Meeting, History of Science Society/Philosophy of Science Association*: 'Aristotle on the Emergence of Material Complexity', given at a Symposium on Aristotle's *Meteorology*, book IV, November 17.

*Institute for History and Philosophy of Science and Technology Colloquium, University of Toronto*: 'Accentuate the Negative: A Puzzle about the Structure of Darwin's Origin, Solved', March 8, 2012.

*Program in Ancient and Medieval Philosophy Colloquium, University of Toronto*: 'Why we Breathe: Aristotle on the Hunt for Final Causes', March 9, 2012.

*University of Rochester Philosophy Colloquium*: 'Why we Breathe: Aristotle on the Hunt for Final Causes', April 20, 2012.

Participant/speaker at *Oxford University Ancient Philosophy Workshop* 'Aristotle's Hylomorphism'. My paper: 'On Respiration: how to investigate hylomorphic unities' June 2-3, 2012.

*University of Pisa Philosophy Colloquium*: 'Why Must We Breathe?: Aristotle on the Hunt for Final Causes', June 5, 2012.

2011 'Aristotle on Norms of Inquiry', Marquette University, Mid-West Seminar In Ancient and Medieval Philosophy Lecture, April 7; also presented at *Aristotle's Methods of Inquiry Workshop*, UNC Chapel Hill, March 25-27, 2011.

*University of Chicago: Debating Darwin Series*: 'Accentuate the Negative: A Puzzle about the Structure of Darwin's Origin, Solved', October 13, 2011.

*University of Notre Dame Colloquium in History and Philosophy of Science*: 'Why We Breathe: Aristotle on the Hunt for Final Causes', October 28, 2011.

*University of Vienna Philosophy of Science Colloquium*: 'The Role of History in Philosophy of Science', November 17, 2011.

*The Humboldt University, Berlin: TOPOI Workshop*: Workshop based around my paper 'Aristotle on Respiration: The Hunt for Final Causes' (Greek reading session in the morning, paper presentation in the afternoon) November 19, 2011.

2010 'Aristotle on Norms of Inquiry', as part of meetings of the *International Society for History of Philosophy of Science* in Budapest, Hungary, June 25, 2010.

'Aristotle on Mind and the Science of Nature, *Mazaryk University, Brno, Czech Republic*, June 22, 2010.

'William Harvey: Enigmatic Aristotelian of the Scientific Revolution', *Charles University, Prague, Czech Republic*, June 21, 2010.

'Aristotle's Natural Science: the Many and the One', *Rosamond Kent Sprague Lecture in Ancient Philosophy, University of South Carolina*, April 16, 2010.

Biggs Residency Lectures. 1. 'Aristotle: A Philosophy for the Science of Life'; 2. 'William Harvey: Enigmatic Aristotelian of the Scientific Revolution'; 3. 'Aristotle and the Norms of Inquiry', *Washington University of St. Louis, April 5-8, 2010*.



- 2009 ‘Aristotle’s Essentialism and Evolution: Dispelling a Myth’, Darwin 200<sup>th</sup> anniversary lecture, *Berlin-Brandenburg Academy of Natural Science*, Berlin, Germany, November 11, 2009.
- ‘Chance, Design and Contrivance: Charles Darwin, Asa Gray and the Metaphysics of Orchids’ *Philadelphia Academy of Natural Science Darwin Anniversary Symposium*, October 22, 2009.
- ‘William Harvey’s Teleology’, *Indiana University, Department of History and Philosophy of Science, Westfall Lecture*, September 25, 2009.
- ‘Aristotle on mind and the science of nature’, *Minnesota Center for Philosophy of Science Colloquium Lecture*, September 11, 2009.
- ‘The Origins of Darwin’s *Origin*: From the Beagle to *On the Origin of Species*’, Duquesne University, January 16, 2009.
- ‘The Origins of Darwin’s *Origin*: From the Beagle to *On the Origin of Species*’, Carnegie Museum of Natural History, January 17, 2009. *The inaugural lectures in the Duquesne/CMNH Darwin Celebration 2009 Series.*
- ‘Aristotle on Mind and the Science of Nature’, University of California, San Diego Philosophy Department Colloquium, February 27, 2009.
- ‘Aristotle’s Science of Nature: the many and the one’, Duke-UNC Conference on Aristotle’s *Posterior Analytics*, April 24-5, 2009.
- ‘Aristotle on Mind and the Science of Nature’, University of Chicago, May 6, 2009.
- ‘Aristotle: A Philosophy for the Science of Life’, public lecture at the University of Adelaide, Australia, to open the Annual International Conference on Greek Research, July 1, 2009.
- ‘Aristotle on Mind and the Science of Nature’, keynote address at the International Conference on Greek Research, July 3, 2009.
- ‘William Harvey’s Conceptual Teleology’, The 2009 Dyason Lecture, Australian Association for History, Philosophy and Social Study of Science Annual Meetings, July 11-12, 2009.

- 2008 ‘Functions and History’, *Quadrennial Fellows Conference of the Center for Philosophy of Science, University of Pittsburgh, July 20-24*, Ohio University, July 21, 2008.
- ‘Function: a phylogeny of the concept’, *La notion de fonction: des sciences de la vie à la technologie (The Notion of Function: from the Life Sciences to Technology)*, Collège de France, May 21-23, 2008.
- ‘Teleology and Chance in the Darwin-Gray correspondence: 1860-64’, Symposium presentation, *HOPOS Conference*, Vancouver, June 18-21, June 19, 2008.
- ‘Aristotelian Souls and Aristotelian Natures’, Symposium presentation, *HOPOS Conference*, Vancouver, June 18-21, June 20, 2008.
- ‘Aristotle on the Prospects for a Science of Life’, invited lecture, Conference, *Discovering Life*, Princeton University, February 8-9, February 8, 2008.
- 2007 ‘Aristotelian Souls and Aristotelian Natures’, Conference Presentation, *The Immateriality of the Soul*, University of Western Ontario, October 10-12, 2007)
- ‘Darwin’s Rejection of Cartesian Dualism’, invited lecture for the *Masseyfest*, a retirement celebration for Jerry Massey, University of Pittsburgh, April 22, 2007.
- ‘Aristotle on Bios, Praxis, and the Unity of Life’, Lunchtime Talk, Center for Philosophy of Science, University of Pittsburgh, April 17, 2007.
- ‘An Intelligent Discussion about Chance and Design: Asa Gray confronts Darwinism’, University of Utah, Salt Lake City, March 30, 2007.
- ‘“As if we were investigating snubness”: Aristotle’s argument for a single science of nature’, Concordia University, Montreal, March 16, 2007.
- ‘Aristotle on Bios, Praxis, and the Unity of Life’, Boston University, January 22, 2007.
- 2006 ‘Aristotle on Bios, Praxis, and the Unity of Life’, *Kosfest: A retirement celebration of Professor Aryeh Kosman’s teaching and research*, Haverford College, November 5, 2006.

‘Ayn Rand on Concepts, Context and Scientific Progress’, A conference on “Concepts and Objectivity: Knowledge, Science, and Values”, University of Pittsburgh, September 22-24.

‘Aristotle on Bios, Praxis, and the Unity of Life’, *‘Was ist leben?/What is bios?’ Conference on Aristotle and Modern Biology*, Bamberg, Germany, August 22-26, 2006.

‘The Function concept: some history’, *Teleology: Ancient and Modern*, University of Toronto, June 26-28, 2006.

‘“As if we were investigating snubness”: Aristotle’s argument for a single science of nature’, University of Pisa, May 23, 2006.

‘Aristotle on Bios, Praxis, and the Unity of Life’ Institute for Advanced Study, University of Bologna, May 16, 2006.

2005

‘Aristotle’s biology and its relevance to his metaphysics, ethics and politics’: 5 seminars given at the Universidad Nacional de Colombia, Bogotá, Colombia, September 12-16, 2005.

‘Getting a Science Started: Aristotle on Entry Level Kinds’, University of Bologna, Italy, May 17, 2005.

‘How *not* to study natural form: Aristotle on the prospects for a mathematical physics’, University of Texas, Austin, April 29, 2005.

‘The Evolution of Darwinian Thought Experiments’, University of Minnesota, Minneapolis, April 16, 2005.

‘The Evolution of Darwinian Thought Experiments’; ‘Thought Experiments in Evolutionary Biology Today’, *Evolucionismo: Enfoques Actuales*, Universidad a Coruña, El Ferrol, Spain, March 10-11, 2005.

‘Conceptual Teleology in William Harvey’s *De Conceptione*’, *Center for Philosophy of Science, University of Pittsburgh*, February 22, 2005.

2004

‘Experiment and Conceptual Innovation in William Harvey’s Science’, Texas, November 19, 2004.

‘The Unity and Purpose of *On the Parts of Animals I*’, *Being, Nature and Life: A Conference Honoring Allan Gotthelf*, University of Pittsburgh, October 3, 2004.

‘Getting a Science Started: Aristotle on Entry Level Kinds’, ‘Eötvös University, Budapest, Hungary, June 5, 2004 ,

‘Getting a Science Started: Aristotle on Entry Level Kinds’, University of West Virginia, February 12, 2004.

‘William Harvey and the Teleology of Animal Generation’, Teleology Conference, University of Edinburgh, Scotland, August 17, 2004.

Invited guest: European Ancient Philosophy Reading Group: On *Parts of Animals* I.1: this year the focus of discussion was my translation and commentary of Aristotle’s *On the Parts of Animals*, April 1-4, 2004.

‘The Place of Biology in Aristotle’s Natural Philosophy’, University of Georgia, January 29, 2004.

2003 ‘The Place of Biology in Aristotle’s Natural Philosophy’, *Keeling Conference on Ancient Philosophy*, University of London, November 4-7, 2003.

‘Mathematical Science and Aristotle’s *Physics*’, University of Paris, France, June 18, 2003.

‘Aristotle’s uses of hypotheses in *De Caelo*’, *Delphi, Greece: Athens-Pittsburgh Conference*, June 5, 2003.

‘*Physics* II.2: What is the Problem?’, *Werkmeister Conference: Aristotle’s Philosophy*, Florida State University, Tallahassee, March 22, 2003.

2002 ‘The Place of Biology in Aristotle’s Natural Philosophy’, University of Catania, Sicily, May 20, 2002.

‘What is the Good of an Adaptation?’, University of Florence, (May 15, 2002.

‘The Place of Biology in Aristotle’s Natural Philosophy’, University of Cincinnati, February 15, 2002.

2001 ‘The Place of Biology in Aristotle’s Natural Philosophy’, *Princeton Ancient Philosophy Colloquium*, December 7, 2001.

‘What is the Good of an Adaptation?’, University of Houston, November 18, 2001.

‘History and Philosophy of Science: A Phylogenetic Approach’,  
*London/Pittsburgh Workshop in the Philosophy of Biology*, September 11-13, 2001.

‘Aristotle on the Unity and Disunity of Science’, University of Toronto,  
 February 2, 2001.

2000 ‘History and Philosophy of Science: A Phylogenetic Approach’, Instituto  
 Oswaldo Cruz, Rio de Janeiro, July 1, 2000.

‘Aristotle on the Unity and Disunity of Science’, University of Rochester,  
 Rochester, NY, March 17, 2000.

### Dissertation Direction

2018 **Tom Marré**: *Teleology and its Limits in Aristotle and Kant* (with  
 Steve Engstrom)

**Aaron Novick**: *The Prodigal Genetics Returns: Integrating Gene  
 Regulatory Network Theory into Evolutionary Theory*

2016 **Jon Buttaci**: *Thinking Forms in Images: Aristotle on Intellectual  
 Capacities, Activities, and Virtues* (with John McDowell)

2015 **Aleta Quinn**: *Systematics and Natural Kinds: A Historical and  
 Philosophical Investigation*

2014 **Keith Bemer**: *A Philosophical Examination of Aristotle’s *Historia  
 Animalium** (with Allan Gotthelf)

2013 **Corinne Bloch**: *Scientific Concepts and Definitions: Epistemic Roles  
 and Referential Stability* (with Eva Jablonka and Allan Gotthelf)

2012 **Peter Distelzweig**: *Mechanizing the Moving Animal:  
 Teleology, Mechanism, and Animal Progression in the 17<sup>th</sup> Century*  
 (with Peter Machamer)

**Yoichi Ishida**: *Models and their Functions in Biological Inquiry* (with  
 Sandra Mitchell)

2011: **Benny Goldberg**: *William Harvey, Soul Searcher: the Metaphysics of  
 Animal Generation in Harvey’s *De Generatione Animalium** (with  
 Peter Machamer)

- 2009 **Peter Gildenhuys**: *What Selection Theory Should Be*
- 2008 **Greg Salmieri** (Philosophy): *Aristotle and the Problem of Concepts*
- 2005 **Alan Love**: *Explaining Evolutionary Innovation and Novelty: A Historical and Philosophical Study of Biological Concepts*
- 2002 **Steve Quevedo** (Philosophy): *Causal Slack and the Necessity of Natures: Aristotle on Sublunary Causation*
- 1998 **Mark Holowchak** (Classics, Philosophy and Ancient Science): *The Problem of Differentiation and the Science of Dreams in Graeco-Roman Antiquity*
- 1997 **Rachel Ankeny**: *The Conqueror Worm: An Historical and Philosophical Examination of the Use of the Nematode *Caenorhabditis elegans* as a Model Organism*
- 1996 **Keith Parsons**: *Wrongheaded Science? Rationality, Constructivism, and Dinosaurs*
- 1996 **David Rudge**: *A Philosophical Analysis of the role of Selection Experiments in Evolutionary Biology*

#### **Committee Member**

Cynthia Freeland, Anna Greco, Katherine Nolan, Tiberiu Popa, Heike Sefrin-Weiss

#### **External Dissertation Examiner**

- 2017 Jiwon Byun (University of British Columbia, Philosophy): *Thomas Henry Huxley Agnostic Philosophy of Science*
- 2013 Nicolas Thorne (Pittsburgh, Classics, James Allen directing): *The Unity of Plato's Gorgias*
- 2012 Benjamin Breuer (Pittsburgh, Department of Music): *Joseph Adler's Evolutionary Theory of Music*
- 2009 Aaron Smith (Johns Hopkins, Philosophy): *Aristotle's Theory of Abstraction*
- 2008 Catherine Day (Pittsburgh, Department of English): *Darwinian Motifs in the 19th Century British Novel*
- 2008 Emily Katz (Duquesne): *Aristotle's Critique of Plato's Mathematical Theory*

- 2006 John McCaskey (Stanford): *Changing Conceptions of Induction from Aristotle to Bacon*
- 2005 Rebekah Johnston (Toronto): *Potentiality in Aristotle's Metaphysics IX*
- 2004 Stasinios Stavrianeas (Edinburgh): *Nature and Essence in Aristotle's Logical and Biological Works*
- 2004 Chris Mirus (Notre Dame): *Aristotle's Teleology and Modern Mechanics*
- 2004 Monte Johnson (Toronto): *The Goal and Limits of Aristotle's Teleology*

### **Professional Honors**

#### **Research Grants, Fellowships and Distinguished Lectureships**

- 2013 Hewlett International Travel Grant
- 2012 Hewlett International Travel Grant
- 2010 Biggs Resident Scholar, Washington University, St. Louis
- 2009 Dyason Lecturer, University of Brisbane, Brisbane, Australia
- 2006 (May) Senior Fellow, Instituto di Studi Avanzati, University of Bologna
- 2005 (September) Visiting Lecturer in Philosophy, Universidad Nacional de Colombia
- 1994 Hewlett International Travel Grant
- 1994 Visiting Lecturer in Philosophy, Oxford University; Visiting Fellow, St. Cross College, Oxford University
- 1989-92 NEH Research Grant no. P3290: Aristotle's Parts of Animals: Translation and Commentary: 1989-91
- 1988 Appointed Life Fellow, Clare Hall, Cambridge University
- 1987 Visiting Fellowship: Clare Hall, Cambridge University
- 1983-84 Junior Fellowship, Center for Hellenic Studies, Washington, D. C.
- 1983, 1984 NSF Consecutive Summer Research Grants No. SESB308583
- 1982 Fellowship for NEH Summer Institute in the Philosophy of Biology, Cornell University (co-directed by Richard Burian and Marjorie Grene)
- 1981 Faculty Research Grant: University of Pittsburgh
- 1979 Faculty Research Grant: University of Pittsburgh

### **Conference and Lecture Organization**

- 2017 May 22-24, 2017: *Aristotle Resurgent: Neo-Aristotelian Approaches to Metaphysics, Ethics and Philosophy of Science*, University of Pittsburgh.
- 2016 March 14-17, 2016: The Second *A. W. Mellon Distinguished Lectures in the History of Science*: ‘Mechanism Historicized: Critical Reflections on the Early Modern Period’, three lectures by Domenico Bertoloni Meli, Professor of History and Philosophy of Science, Indiana University (see below)
- 2015 October 30-November 1: *Allan Gotthelf Memorial Workshop on Aristotle*, University of Pittsburgh.
- 2012 October 22-25, 2012: The First *A. W. Mellon Distinguished Lectures in the History of Science*: ‘Newton’s Shadow: Francesco Algarotti and the Passion for Science in the Eighteenth Century’, three lectures by Paula Findlen, Ubaldo Pierotti Professor of Italian History, Stanford University. (I was co-Principal Investigator on the Mellon Grant to the University of Pittsburgh Press, which provides the funds for these lectures.)
- November 2-4, 2012: *International Conference on Early Modern Medicine and Natural Philosophy* (co-organized with Peter Distelzweig and Benjamin Goldberg).
- March 23-24, 2012: *Pittsburgh/North Carolina Workshop: Discovery and Justification in Aristotle* (organized with Greg Salmieri (UNC Chapel Hill) and Allan Gotthelf (Anthem Fellow, University of Pittsburgh))
- May 6-8: *Pittsburgh Workshop on the Aristotelian Problemata* (organized with Allan Gotthelf (Anthem Fellow, University of Pittsburgh) and Robert Mayhew (Seton Hall University, recent translator of *Aristotle, Problems* (Loeb Classical Library, Harvard University Press)).
- 2010 Program Committee Chair, 2010 Meetings of the International Society for History of Philosophy of Science, Budapest, Hungary, June 24-27.
- 1997-2005 Director of the Center for Philosophy of Science: responsible for organizing or co-organizing 3-4 conferences a year, our Annual Lecture Series, and our twice-weekly lunchtime colloquia



- 1993 Pittsburgh/Konstanz Conference on the Philosophy of Biology: co-chair (with Gereon Wolters of Konstanz) of the program committee
- 1991 University Honors College Lecture Series: ‘Three Lectures on the History, Philosophy and Current Status of Neo-Darwinism’.
- 1990 ‘Self-motion from Aristotle to Newton’ (organized with Mary Louise Gill and Steven Strange)
- 1986 ‘Science and Philosophy in Classical Greece’ ( organized with Alan Bowen)
- 1983 ‘Functional Explanation in Biology and Anthropology’ (organized with Merrilee Salmon)

### **Program Participation and Organization**

- 1989-Present Directed the re-organization of the Classics and Philosophy Program into the Classics, Philosophy and Ancient Science Joint Ph.D. Program, approved by the three related departments and the Dean of Graduate Studies in 1989. This re-organization successfully integrated the Department of History and Philosophy of Science into the Classics and Philosophy Program, which it replaced. The expanded joint program adds a strong concentration in Ancient Science, with specialists in Ancient Mathematics, Harmonics, Astronomy, Physics, Biology and Medicine, to the traditional strengths in Classics and Philosophy.
- 1990, 1993 Environmental Ethics faculty member, University Honors College ‘Yellowstone Field Program’ (July/August)

### **University Service**

- 1989-94 FAS Tenure Council (Alternate)
- 1990-96 FAS, Faculty Council
- 1993-96 Humanities Council
- 1997-2005 Dean’s Council; Working Group on Library and Information Technology
- 1997-2005 Director, Center for Philosophy of Science
- 2006-2008 FAS Tenure Council (Alternate); 2006-2007 Tenure Selection Committee
- 2009 (Spring) Interim Director, Center for Philosophy of Science

2008-2010	FAS Academic Integrity Committee
2010-2012	FAS Tenure Council
2012-Present	University Press Senate Committee

### **Departmental Service**

1978-1993, 1999-2000 2015-16	Undergraduate Advisor
1983-present	Co-Director, Certificate Program in the Foundations of Medicine
1991-1992	Mellon Fellowship Committee
1989-1992	Departmental Colloquium Committee
1993-1996	Department Chair
2006-2010	Department Placement Officer
2007-2008	Department Admissions Officer (with John Earman)
2010 (Spring)	Interim Department Chair
2011 (Fall)	Interim Director of Graduate Studies
2011-12	Department Admissions Officer (with Ken Schaffner)
2014-15	Interim Department Chair

### **Professional Memberships**

American Philosophical Association, History of Science Society, Philosophy of Science Association, Society for Ancient Greek Philosophy, International Society for the History, Philosophy and Social Study of Biology, International Society for History of Philosophy of Science, Ayn Rand Society (affiliated with the American Philosophical Association)

### **Society, Book Series and Journal Committees and Boards**

2012-2014	Steering Committee, International Society for History of Philosophy of Science (HOPOS)
2012-Present	Invited Board Member of the Interdisciplinary Centre for Aristotle Studies, University of Thessaloniki, Greece
2012-Present	Springer Series in History, Philosophy and Theory of the Life Sciences
1989-present	<i>History of Philosophy Quarterly</i>

1991-2000	<i>Philosophy of Science</i>
2001-present	<i>International Studies in the Philosophy of Science</i>
2003-present	<i>Rhizomata: Journal for Ancient Philosophy and Science</i> (formerly <i>Rhizai</i> )
2010-present	<i>HOPOS: Journal of the International Society for History of Philosophy of Science</i>
2011-present	<i>Philosophia Naturalis: Journal for the Philosophy of Nature</i>

#### **Journals, Referee**

American Philosophical Quarterly, Ancient Philosophy, Biology and Philosophy, Early Science and Medicine Journal of the History of Biology, Journal for the History of Medicine and the Allied Science, Journal for the History of Philosophy, Journal for Theoretical Biology, Isis, Oxford Studies in Ancient Philosophy, Phoenix, Phronesis, Perspectives on Science, Perspectives in Biology and Medicine, Quarterly Review of Biology, Systematic Zoology, Synthese (and no doubt others I've forgotten to record).

#### **Publishers, Referee**

Oxford University Press, Cambridge University Press, Princeton University Press, Edinburgh University Press, University of Pittsburgh Press, Bibliopolis (Italy)

#### **Foundations, Referee**

American Council of Learned Societies, Guggenheim Foundation, McArthur Foundation, National Science Foundation (Advisory Committee), National Endowment for the Humanities (Advisory Committee)