André Ariew

Associate Professor
Department of Philosophy
234 Middlebush Hall
University of Missouri
Columbia, MO 65211
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Website

AOS
History and Philosophy of Science (esp. biology)

AOC
Logic (Induction and probability theory)

GOOGLE CITATION INDEX

ACADEMIC APPOINTMENTS

Director of Arts and Science Writing Fellows Program, University of Missouri, Fall 2022-current.

Director of Graduate Studies and Graduate Admissions, University of Missouri, Fall 2023-current.

Faculty Fellow, College of Arts and Science, University of Missouri, Fall 2021-Spring 2023.

Visiting Professor, Institute for the History and Philosophy of Science and Technology, Paris, France, Fall 2019-Spring 2020.

Associate Professor, Department of Philosophy, University of Missouri-Columbia. Fall 2006-present.

Associate Professor, Department of Philosophy, University of Rhode Island. 2003-2006.

Associate, Museum of Comparative Zoology, Department of Organismic and Evolutionary Biology, Harvard University. 1998-2006.

Visiting Professor, History and Philosophy of Science, Cambridge University, UK. 2004-2005.

Assistant Professor, Department of Philosophy, University of Rhode Island, 1997-2003.

Visiting Scholar, University of Wisconsin--Madison, Department of Philosophy. Spring 1994-Fall 1995.

EDUCATION

Ph.D, Philosophy with Minor in Evolutionary Theory, University of Arizona. May 1997. Dissertation: "Innateness is Canalization". Co-advisors: Robert Cummins (Arizona), Elliott Sober (Wisconsin).

BA (cum laude), Philosophy, (Computer Science minor), University of Arizona. May 1990. Honors's Thesis: "Aristotle's teleology". Advisor: Julia Annas.

BOOKS

Agathe du Crest, Martina Valković, André Ariew, Hugh Desmond, Philippe Huneman & Thomas A.C. Reydon (Editors, 2023). *Evolutionary Thinking Across Disciplines: Problems and Perspectives in Generalized Darwinism*. Springer Library, Volume 478. https://link.springer.com/book/9783031333576

Functions: New Readings in the Philosophy of Psychology and Biology (co-editor with Robert Cummins and Mark Perlman), Oxford U. Press. 2002.

Ariew, A. (Book manuscript, under review) *Charles Darwin: Reluctant Statistician*

ARTICLES AND CHAPTERS

Desmond, H., Ariew, A., Huneman, P., and Reydon, T., (Forthcoming June 2024), "The Varieties of Darwinism: Explanation, Logic, and Worldview," *Quarterly Review of Biology.*

Ariew, A. (Forthcoming 2024), "Darwin's retraction on natural selection and sexes in the Descent of Man: a case study of Darwin's use of statistical methodology to advance his evolutionary ideas", *Essays on Charles Darwin's Descent of Man, Dedicated to Jean Gayon*, Routledge.

Holmes, T. and Ariew, A. (Forthcoming 2024), “Statistical Autonomous Explanations and the Patterns of Nature: A Modified Account”, *British Journal for the Philosophy of Science*, https://doi.org/10.1086/720804

Ariew, A. and Panchanathan, P. (2023), “Tinbergen in the 21st Century” in Agathe du Crest, Martina Valković, André Ariew, Hugh Desmond, Philippe Huneman & Thomas A.C. Reydon (Editors). *Evolutionary Thinking Across Disciplines: Problems and Perspectives in Generalized Darwinism*. Springer Library, Volume 478. https://link.springer.com/book/9783031333576

Ariew, A., & da Silva, G. B. (2022), “Vitalism”. In: James Mattingly (ed.) *The SAGE Encyclopedia of Theory in Science, Technology, Engineering, and Mathematics.* Thousand Oaks: SAGE Publications, pp. 940-944.

Ariew, A. (2022), “The Statistical Thinking of Darwin”, *Studies in History and Philosophy of Science.* Vol. 95, pp. 215-223. https://doi.org/10.1016/j.shpsa.2022.08.005.

Charlat, S. Ariew, A., Bourrat, P., et. al. (2021), “Natural Selection beyond Life? A Workshop Report”, *Life* 2021, 11(10), 1051; https://doi.org/10.3390/life11101051

Rice, C., Rohwer, Y., and Ariew, A (2019), “Explanatory schema and the process of model building”, *Synthese* 196 (11): 4735-4757. https://doi.org/10.1007/s11229-018-1686-y

Ariew, A. Rohwer, Y. and Rice, C. (2017), “Galton, reversion and the quincunx: The rise of statistical explanation”, *Studies in History and Philosophy of Science Part C Studies in History and Philosophy of Biological and Biomedical Sciences.* https://doi.org/10.1016/j.shpsc.2017.08.001

Walsh, DM, Ariew, A., and Matthen, M. (2017), “Four Pillars of Statisticalism” *Philosophy, Theory, and Practice in Biology* (2017) 9:1. http://dx.doi.org/10.3998/ptb.6959004.0009.001

Ariew, A. and Shorey, K (2016), “Nature/Nurture”, *Encyclopedia of Life Sciences*. http://www.els.net.. John Wiley & Sons, Ltd. DOI: 10.1002/9780470015902.a0003458

Ariew, A., Rice, C., Rohwer, Y. (2015), "Autonomous Statistical Explanations and Natural Selection”, *British Journal for the Philosophy of Science,* 66 (3), pp. 605-634.

Matthen, M. and Ariew, A. (2009), “Selection and Causation”, *Philosophy of Science,* 76, No. 2, pp. 201–224.

Ariew, A. and Ernst, Z. (2009), “What Fitness Can’t Be”, *Erkenntnis*, Volume 71, No. 3, pp. 289-301.

Ariew, A. (2009), “Innovation and Invention from a Logical Point of View”, M. O’Brien and S. Shennan (eds.), *Innovation in Cultural Systems: Contributions from Evolutionary Anthropology* (Vienna Series in Theoretical Biology). MIT Press. pp. 21-36

Ariew, A. (2008), "Population Thinking", David Hull and Michael Ruse (eds.) *Oxford Companion to Philosophy of Biology*. Oxford U. Press. pp. 64-86.

Ariew, A. (2007), "Under the Influence of Malthus's Law of Population Growth Darwin Eschews the Statistical Techniques of Aldolphe Quetelet", *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences*, Volume 38, No. 1, pp. 1-19.

Ariew, A. (2007), "Teleology", David Hull and Michael Ruse (eds.) *Cambridge Companion to Philosophy of Biology.* Cambridge U. Press. pp. 160-181.

Ariew, A. (2007), “Innateness”, M. Matthen and C. Stephens (eds.) *Philosophy of Biology* (in the Handbook of the Philosophy of Science series edited by D. Gabbay, P. Thagard, and J. Woods). Boston: Elsevier. pp. 567-84.

Matthen, M. and Ariew, A. (2005), "How To Understand Causal Relations in Natural Selection: Reply to Rosenberg and Bouchard". *Biology and Philosophy*, Vol. 20, No. 2-3, pp. 355-364.

Ariew, A. and Lewontin, R. (2004), "The Confusions of Fitness". *British Journal for the Philosophy of Science*, 55, 347-363.

Ariew, A. (2003), "Natural Selection Doesn't Work That Way: Fodor on Adaptationism". *Mind and Language*, Volume 18, No. 5, pp. 447-477.

Ariew, A. (2003), "Ernst Mayr's 'ultimate/proximate' distinction reconsidered and reconstructed", *Biology and Philosophy*, Volume 18, No. 4, pp. 553-565.

Walsh, D. M., Lewens, T., and Ariew, A. (2003), "Trials of Life: Natural Selection and Random Drift". *Philosophy of Science*, Volume 69, pp. 58-83.

Matthen, M. and Ariew, A. (2002), "Two Ways Of Thinking About Fitness and Natural Selection", *Journal of Philosophy*. Volume 49, No. 2, pp. 55-83.

Ariew, A. (2002), "Platonic and Aristotelian Roots of Teleological Arguments", A. Ariew, R. Cummins and M. Perlman (eds.), *Functions: New Reading in the Philosophy of Psychology and Biology*, Oxford U. Press. pp. 7-21.

Ariew, A. and Perlman, M. (2002), "Introduction", A. Ariew, R. Cummins and M. Perlman (eds.), *Functions: New Reading in the Philosophy of Psychology and Biology*, Oxford U. Press.

Ariew, A. (1999), "Innateness is Canalization: A Defense of a Developmental Account of Innateness", V. Hardcastle (ed.) *Biolology Meets Psychology: Conjectures, Connections, Constraints*. MIT Press. pp. 117-129.

Ariew, A. (1998), "Are Probabilities Necessary for Evolutionary Explanations?", *Biology and Philosophy*, Vol. 13, No. 2, pp. 245-253.

Ariew, A. (1996), "Innateness and Canalization", *Philosophy of Science*, 63 (Proceedings), pp. S19-S27.

Walsh, D. and Ariew, A. (1996), "A Taxonomy of Functions", *Canadian Journal of Philosophy*, Vol. 26, No. 4.
- Reprinted in David Buller (ed), (1999). *Function, Selection, and Design*. SUNY Press (Series in Philosophy and Biology).

UNPUBLISHED MANUSCRIPTS

Westgren, R. and Ariew, A. (Unpublished Manuscript), “The Chimera of Entrepreneurial Opportunity”

Ariew, A., Lauer, R., Westgren, R. (Unpublished Manuscript), “Microfoundations in Strategy and Explanatory Reductionism”

BOOK REVIEWS

“The Triumph of Sociobiology by John Alcock”. *Journal of the History of Biology*. Vol. 36, No. 3: 615-618 (2003).

“Triple Helix, by Richard Lewontin”. *Studies in History and Philosophy of Science Part C* 34 (4):707-712 (2003).

"Genetics and Reductionism, by Sahotra Sarkar". *Philosophical Quarterly*. 50(198):128-130. (2000).

PRESENTATIONS

“Two kinds of statistical explanation: reductive and autonomous”. Invited colloquium: March 31, 2023, Department of Philosophy, University of Arizona.

Why is natural selection so hard to understand?”. Invited talk: March 30, 2023, Freedom Center, University of Arizona.

“Darwin’s sex ratio argument in the Descent of Man”. Invited conference presentation: July 5, 6, 2022, *Descent of Man, Dedicated to Jean Gayon*. Institut d’Etudes Avancées of Paris.

“Idealizations for Macro-level processes”. Invited Workshop Presentation: IHPST, Paris. June 20-21, 2022: “Vagueness in Science”.

Ariew A., Desmond, D., Huneman, P., and Reydon, T. "The varieties of Darwinism: An integrated dynamic account", VIIIe Congrès de la Société de Philosophie des Sciences (SPS), Université de Mons, 8-10 September 2021.

Ariew A. and Panchanathan, K. "Tinbergen in the 21st Century". Invited Workshop Presentation: October 21, 2021: Evolutionary Thinking Across the Disciplines. Paris, France.

"Darwin the Statistician". Invited Presentation: February 7, 2020: Institute for Philosophy in Biology and Medicine, University of Bordeaux, France. February 12, 2020: Department of Philosophy celebration of Darwin's and Jon Hodge's birthday, Leeds, England.

"Lessons from the Quincunx: Explanation, Idealization, and Modeling" (keynote presentation) at Explanation, Idealization, and Modeling: An Interdisciplinary Workshop, Bryn Mawr College, March 1, 2019.

"How Statistics Changed Natural Selection", Given at: Committee on Conceptual and Historical Studies of Science, University of Chicago, February 1, 2019, History and Philosophy, History and Philosophy of Science and Medicine Group at Washington University, February 15, 2019.

"Abstract statistical ideas made simple: The case of Francis Galton's quincunx" at the "Coping With Complexity" Symposium for the "I Love Science" festival in Brussels, Belgium, 27 April, 2018: https://www.bozar.be/en/activities/140679-talks-coping-with-complexity

"What is This Thing Called 'Critical Thinking'" at University of Missouri Taste of Arts and Sciences, March 10, 2018.

"Setting causes aside: statistically autonomous explanation" Given at "Unifying the debates: mathematical and non-causal explanations" workshop at IHPST, Paris, June 29, 2017.

"Galton, Reversion and the Quincunx", Given at: Department of Philosophy, University of Connecticut, September 30, 2016, CRNS on Immunology, University of Bordeaux, June 24, 2016, Department of Philosophy Colloquium, University of Kansas, Feb. 19, 2016. Department of Psychology, University of Missouri, October 27, 2017.

Lauer, R, Ariew, A, Westgren, R, "Microfoundations in Strategy and Explanatory Reductionism" The Fifth Conference of the European Network for the Philosophy of the Social Sciences, August 24-26, 2016 University of Helsinki, Finland.

"Adatationism Redux? Richard Lewontin's Constructivist Challenge", 30 Years after the Dialectical Biologist: University of Bordeaux, June 14-16, 2016.

"Two Cases Against Equidynamics", Central APA, Chicago, March 1, 2016.

Ariew, A., Walsh, DM, and Matthen, M. (refereed). "Four Pillars of Statisticalism", International Society for the History, Philosophy and Social Studies of Biology, Montreal, Canada. July 2015.

Ariew, A., and Westgren, R. (refereed), "Microfoundations in Strategy and Explanatory Reductionism", Micro-Foundations for Strategic Management Research: Embracing Individuals" Strategic Management Society, Copenhagen, Denmark. June 14, 2014.

"Reassessing Innateness". (invited commentary). Central American Philosophical Association. Chicago, Ill. February 27, 2014.

Westgren, R., and Ariew, A. (refereed), "The Chimera of Entrepreneurial Opportunity", Academy of Management, Orlando, FL. August 12, 2013.

"Statistically Autonomous Explanations" (refereed). International Society for the History, Philosophy and Social Studies of Biology, Montpellier, France. July 11, 2013.

"A Critique of Shapiro and Sober on Epiphenomenalism and Natural Selection" (refereed) Philosophy of Biology at Madison, Madison, WI. June 3, 2013.

"Darwin and Quetelet:: Workshop Presentation, "Evo-Eco 1830-1870" (invited), Institute of the History and Philosophy of Science and Technology, Paris, France. Feb. 2012.

"Harmony out of Chaos": Colloquium, Department of Philosophy, University of South Carolina, Feb. 2012.

"What Sort of Theory is Natural Selection?" (refereed): Congress of Logic,Methodology and Philosophy of Sciences, Nancy, France, July 24, 2011.

"Natural Selection" (invited), Rusefest 2010: Conference in Honor of Michael Ruse, Florida State University, April 16-18, 2010.

"Darwin's Invisible Hand?" (invited), 150 Years After Origin: Biological, Historical, and Philosophical Perspectives, University of Toronto, November 24, 2009

"The Blind Watchmaker and the Invisible Hand" (invited), Boulder Conference on the History and Philosophy of Science, Boulder, CO, October 11, 2009

"Would Darwin recognize modern Darwinism?" (invited public lecture), Saturday Morning Science Lecture Series, University of Missouri, October 10, 2009.

"Darwinism Old and New" (invited public lecture), Ellis Library Lecture for 150 Years of the Origin of Species: The Historical Journey from Specimens to Species to Genes. University of Missouri. March 3, 2009.

"Darwin's Invisible Hand" (invited): Department of History and Philosophy of Science, Florida State University (October 2008)

"Population Thinking" (invited): University of Toronto Institute for the History and Philosophy of Science and Technology Colloquium (2007)

"Natural Selection and Causation: Status of the Debate" (invited): University of Toronto Institute for the History and Philosophy of Science and Technology Conference on Philosophy of Biology (2007)

"Natural Selection Explanations" (invited), Department of Computer Science and Informatics, University of Windsor, Colloquium (2007)

"Evolutionary Anthropology from a logical point of view" (invited), Konrad Lorenz Institute Workshop on Innovation in Cultural Systems, Vienna, Austria (2007)

"What Fitness Ain't" (refereed, with Zac Ernst), American Philosophical Association-Pacific. San Francisco, CA (2007).

"Innateness and Triggering" (invited): Philosophy and Neuroscience Program, Washington University in St. Louis (2006)

"Natural selection and causation" (refereed): Boston Colloquia for the History and Philosophy of Science, Boston, MA (2006)

"How Fitness Misleads Us About Natural Selection" (invited): Department of Philosophy, University of Utah (2006)

"Biological norms, functions, and nature: lessons from the neo-Darwinian revolution" (invited): Journée epistemologie de la biologie: Les norms du vivant, Université Paris 7, March 7, 2005

"Darwin's Natural Selection and 'neo-Darwinian' selection: Some crucial differences" (refereed): International Philosophy of Science Association, Dubrovnik, Croatia (2005). UK Philosophy of Biology Colloquia, Stirling, Scotland (2005). International Society for the History, Philosophy, and Social Studies of Biology, Guelph, Canada. (2005). Department of Philosophy, S. Florida State University (2005). Laguna Beach Workshop on the Philosophy of Biology, Irvine, CA (2006).

"Neo-Darwinian Fitness" (invited): Department of Philosophy, University of Missouri (2004). Department of History and Philosophy of Science, Cambridge University, UK, (2005).

"Rethinking 'Population Thinking'" (invited): UK Philosophy of Biology Colloquia, Cambridge University, UK. (2004).

"Adaptationism and Its Alternatives" (invited): Department of Biology, University of Rhode Island (2003). Department of Philosophy, Connecticut College, (2003). Annual Duke Conference of Philosophy of Biology, Duke University (2003).

"Descartes's Epistemology". Guest Lecture, Department of Philosophy, Furman University (2002)

“Darwin’s *Natura non facit saltum*” (invited): Annual Philosophy of Biology Conference, Florida State University (2002)

"Innateness and Triggering: The Search for a Biological Account" (invited): History and Philosophy of Science, Cambridge University, UK (2001). Department of Philosophy, University of British Columbia (2002). Department of Philosophy, Western Ontario University (2002). Department of Philosophy, Delaware University (2002)

"The Philosophy of Nature and Nurture" (invited): Department of Biology and Philosophy, Rhode Island College (2001).

"Mayr's Ultimate and Proximate Cause Distinction Revisited" (refereed): International Society for the History, Philosophy and Social Studies of Biology, Quinnipiac, CT (2001)

"Trials of Life: Natural Selection and Random Drift (refereed, with Denis Walsh and Tim Lewens): International Society for the History, Philosophy and Social Studies of Biology, Quinnipiac, CT (2001) (given by Tim Lewens). Department of History and Philosophy of Science Rountable, Cambridge University (2001) (given by Tim Lewens)

"Two Kinds of Fitness" (refereed, co-author Mohan Matthen): Canadian Philosophical Association, Quebec City (2001) (given by Mohan Matthen).

"Platonic and Aristotelian Roots of Teleological Arguments in Cosmology and Biology" (invited): History of Science and Technology, U. of Minnesota (2000)

"Triggers and Innateness" (invited): Department of Philosophy, Duke University (2000)

"Triggers" (refereed): International Society for the History, Philosophy and Social Studies of Biology, Oaxaca, MX (1999)

"Reply to Ryan and Markosian's Critique of Plantiga's Evolutionary Argument" (invited): American Philosophical Association, Los Angeles, CA (1998)

"Innateness"(invited): Museum of Comparative Zoology, Harvard University (1998). Department of Biology, University of Rhode Island (1998). Department of Oceanography, University of Rhode Island (1998). Department of Science Studies, Virginia Tech (1996). Department of Philosophy, Arkansas State University (1997). Department of Philosophy, University of Arizona (1996).

"A Developmental Account of Innateness" (refereed): International Society For the History, Philosophy and Social Studies of Biology (1997). Recipient of ISHPSSB travel grant.

"Pinker's Parsimony" (refereed): Society for Philosophy and Psychology, New York, NY (1997)

"Innateness and Canalization" (refereed): Philosophy of Science Association, Cleveland, OH (1996). Recipient of PSA Travel Grant

HONORS AND AWARDS

Golden Chalk Award for significant contributions to the education and training of graduate and professional students, May 2013.

University of Arizona Dean's Fellow, Fall 1996, Spring 1997. University-wide competition. ($15,000 plus tuition waiver).

University of Arizona Outstanding Graduate Teaching Assistant Award, Spring 1996 (Tuition waiver plus honorarium).

Honor's Distinction in Philosophy, University of Arizona, Spring 1990.

GRANTS AND FELLOWSHIPS

University of Missouri, Research Council Leave Fellowship, 2019-2020 (one full year leave for research).

University of Missouri Faculty Fellow for Undergraduate Training, $2000 base raise, $5000 stipend, Spring and Summer 2018.

Social Sciences and Humanities Research Council of Canada, “Partnership Planning Grant”, $CAN 19,680. Co-PI (20%). Dec. 2012.

McQuinn Foundation Grant, “Philosophy of Organizational Sciences”. Research leave Spring 2011, Summer 2011, Summer 2013.

University of Missouri, Mizzou Advantage, Collaborative Portals for Interdisciplinary Working Groups: Evolutionary Studies and Science Studies”, 2011 ($15000). Co-PI (11%).

University of Missouri, Mizzou Advantage, “Proposal to Establish Evolutionary Studies and Science Studies on Campus”, 2010 ($20000). Co-PI (25%).

University of Missouri, Summer Fellowship, 2008 ($7000).

University of Missouri, Research Council Leave Fellowship, 2007-2008 (one full year leave).

Humanities Fellowship, University of Rhode Island, "Natural Selection Explanations", 2004 ($1500)

University of Rhode Island Council for Research Faculty Development Grant ($4806). "Functions in the Philosophy of Biology and the Philosophy of Psychology", Summer 1999.

Rhode Island Committee for the Humanities Grant ($12,000) "The Legacy of George Berkeley: From the 18th to the 21st Century". Used money to co-organize a scholarly conference and public events in Newport, RI April 21-24, 1999.

University of Rhode Island for Research Faculty ($2800) Computer-aided instruction. Fall 1998.

Project Assistantship to Dr. Elliott Sober, University of Wisconsin, Fall 1995 ($7500).

PHD ADVISING

Michael Hartsock, Advisor, PhD Dissertation: “Absences as Causes: A Defense of Negative Causation”, 2010. Currently Assistant Professor, Department of Philosophy, Millikin University.

Collin Rice, Advisor, PhD Dissertation: “Optimality Explanations: A New Approach”, 2012. Rice received a post-doctorate fellowship, History and Philosophy of Science, Pittsburgh University (2012-2013). Currently Assistant Professor, Department of Philosophy, Bryn Mawr.

Peter Hofherr, External Reader, PhD Dissertation. 2014. College of Agriculture, Food, and Natural Resources, University of Missouri.

Yasha Rohwer, Advisor, Post-Doctorate, Mizzou Advantage, One Health, One Medicine, post-doc, University of Missouri (2012-2013). Currently Assistant Professor, Department of Philosophy, Oregon Tech.

Jake Wright, Advisor, PhD Dissertation: “A Virtue Account of Science”. May 2013. Currently Permanent Faculty Position in Center for Learning Innovation and Philosophy at University of Minnesota, Rochester.

Katy Shorey, Advisor, PhD Dissertation: “Causal and Non-causal Explanation”. May 2015. Currently Assistant Teaching Professor at Northeastern, Boston, MA.

Lynn Chiu, Advisor, PhD Dissertation: “Niche Construction”. August 2015. Post-doctorate (4 years) at CRNS, France.

Richard Lauer, Advisor, PhD Dissertation: “Idealization and Scientific Understanding”. May 2016. Currently Adjunct Teaching Assistant, St. Lawrence University.

Troy Hall, Second Reader, PhD Dissertation: “Philosophy of Jazz”. May 2017. Department of Philosophy, University of Missouri.

Paul Hamilton. Second Reader, PhD Dissertation: “Resisting the Nudge”. May 2018. Department of Philosophy, University of Missouri.

Niraj Patel, External Reader, PhD Dissertation: “Inoculating against flu vaccine misinformation: how narratives may improve misinformation corrections. Spring 2019. Department of Psychology, University of Missouri.

Annette Kendall, External Reader, PhD Dissertation: “It is what you know: changes in the structure and role of entrepreneur networks in an industry”. Spring 2019. College of Agriculture, Food, and Natural Resources, University of Missouri.

Jason Entsminger, External Reader, PhD Dissertation: “The Ecology of Organizational Forms in Local and Regional Food Systems: Exploring the Scaling-up Challenge via a Species Concept. May 2020. College of Agriculture, Food, and Natural Resources, University of Missouri.

Travis Holmes, Advisor, PhD Dissertation: "Enlarging the possibility space for scientific model-based explanation” expected in May 2022.

Lucy McGowan, External Reader, PhD Dissertation: “A Multi-level model of Technical Change”. Expected in June 2022. College of Agriculture, Food, and Natural Resources, University of Missouri.

Sukhvinder Shahi, Advisor, PhD Dissertation expected in May 2023.

Marco Casali, External Reader, PhD Dissertation: "Chance underneath evolution. Stochastic explanation in contemporary biology”. Institute for the History and Philosophy of Science and Technology, Paris, France. Expected in June 2022.

OTHER PROFESSIONAL EXPERIENCES AND SERVICE

Team Member, “The Explanatory Scope of Generalized Darwinism: Towards Criteria for Evolutionary Explanations Outside Biology”, The German and French Research Foundations. 2020-present.

Faculty committee for creation of University of Missouri Medical Humanities Curriculum. 2021-present.

Program Committee, Central APA, Spring 2020-Spring 2021.

Organizer, “Post-scriptum”, Institute for the History and Philosophy of Science and Technology, Paris, France, Fall 2019-Spring 2020.

Co-Director, Center for Evolution and Social Sciences, University of Missouri, 2017-present.

Director of Graduate Studies, Department of Philosophy, Mizzou. 2016-2018.

Founder and Co-organizer, Missouri Philosophy of Science Workshop, 2008, 2010, 2013, 2016.

Co-Founder, Co-Director, Evolution Theory Studies, University of Missouri

Faculty Council Representation on University of Missouri Strategic Plan, 2014-2015.

Faculty Council Representative, University of Missouri, 2012-2015.

Faculty Council Committee on Fiscal Affairs, University of Missouri, 2013-2014.

Faculty Council Committee on Academic Affairs, University of Missouri, 2012-2013.

Graduate Placement Director, Department of Philosophy, University of Missouri, 2012-2013.

Affiliate, Life Science and Society, 2008-Present.

2009 Darwin Symposium Organizational Committee.

Director of Undergraduate Studies, Department of Philosophy, University of Missouri, 2008-2009.

Steering Committee, Life Science and Society Program, 2009-2010.

Faculty Senate Representative, University of Rhode Island, 2004-2006.

Summer Co-Teaching (with David Fastovsky in Geo Sci), “Evolution and Creationism”, for Continuing Education in Rhode Island High Schools, University of Rhode Island, Summer 1999, Summer 2001.

Program Participant, Dibner Institute Summer Seminar, "From Embryology to Evo-Devo", Woods Hole, MA. May 30-June 6, 2001.

Local Co-Organizer, International Berkeley Society, Newport, RI, April 21-24, 1999.

Program Participant, Ethical, Legal and Social Implications of Human Genome Project, Dartmouth College. June 18-30, 2000 ($1600).

Undergraduate Teaching Workshop, University of Rhode Island, Fall 1998.

REFEREEING

Book Manuscripts: Cambridge University Press, MIT Press, Oxford University Press, Chicago University Press, Harvard University Press, Columbia University Press.

Journals: Perspectives on Science (Editory Advisory Board), Philosophy of Science, British Journal for the Philosophy of Science, Biology and Philosophy, Psychology and Philosophy, Mind and Language, Quarterly Review of Philosophy, Geology, Canadian Journal of Philosophy, Studies in History and Philosophy of Science, Biological Review of Biology, Synthese, Science and Education, Erkentnis, Synthese.

COURSES TAUGHT

Senior Seminar. Undergraduate writing intensive. University of Missouri.

Critical Thinking and Logic. Honors and lower-division undergraduate. University of Arizona, University of Rhode Island, University of Missouri (including web-course).

Philosophy of Inductive Logic. Undergraduate and Graduate. University of Missouri.

Philosophy of Biology. Graduate seminar, graduate course, upper division undergraduate. University of Rhode Island, University of Missouri.

Philosophy of Science. Graduate seminar, graduate course, upper division undergraduate, lower-division undergraduate course. University of Arizona, University of Rhode Island, University of Missouri.

Race and IQ. Honors. University of Rhode Island.

Ethical, Legal and Social Implications of the Human Genome Project. Lower-division undergraduate. University of Rhode Island.

Philosophy and Psychology. Honors. University of Rhode Island.

Introduction to Philosophy. Lower-division undergraduate. University of Arizona, University of Rhode Island.

Contemporary Moral Issues. Lower-division undergraduate. University of Wisconsin.

REFERENCES UPON REQUEST

Carl Craver, Department of Philosophy, Washington University. ccraver@wustl.edu

Elliott Sober, Department of Philosophy, University of Wisconsin, Madison. ersober@wisc.edu

Michael Strevens, Department of Philosophy, New York University, strevens@nyu.edu

Denis Walsh, Department of Philosophy, University of Toronto, denis.walsh@utoronto.ca

Randall Westgren, Department of Applied Social Sciences, University of Missouri, westgrenr@missouri.edu