

André Ariew

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[Department of Philosophy](#)
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AOS

Philosophy of Science (biology)

AOC

Philosophy of Psychology, Bioethics, Logic (Inductive and probability theory), Ancient (Aristotle), Early Modern

EXPERIENCE

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, 1997-2005

EDUCATION

Ph.D, Philosophy, University of Arizona. May 1997.

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

BA (with honors and cum laude), Philosophy, University of Arizona. May 1990.

PUBLICATIONS-EDITED BOOK

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

PUBLICATIONS-JOURNAL ARTICLES

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.

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. (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).

PUBLICATIONS-BOOK CHAPTERS

Ariew, A. (in press). "[Innovation and Invention from a Logical Point of View](#)". M. O'Brien and S. Shennan (eds.) *Evolutionary Anthropology*. MIT Press.

Ariew, A. (2008). "[Population Thinking](#)". David Hull and Michael Ruse (eds.) *Oxford Companion to Philosophy of Biology*.

Ariew, A. (2007). "[Teleology](#)". David Hull and Michael Ruse (eds.) *Cambridge Companion to Philosophy of Biology*.

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.

Ariew, A. (2002). "[Platonic and Aristotelian Roots of Teleological Arguments](#)". Ariew et. al. (eds.), *Functions: New Reading in the Philosophy of Psychology and Biology*.

Ariew, A. and Perlman, M. (2002). "Introduction". *Functions: New Reading in the Philosophy of Psychology and Biology*.

Ariew, A. (1999). "[Innateness is Canalization: A Defense of a Developmental Account of Innateness](#)". Valerie Hardcastle (ed.) *Biology Meets Psychology: Conjectures, Connections, Constraints*. MIT Press.

IN PREPARATION OR SUBMITTED

Ariew, A. (in preparation) "Innate Knowledge". Aileen Harvey (ed.). *Routledge Encyclopedia of Philosophy*.

Ariew, A. (in preparation) "Innate Ideas". Hal Pasher (ed.). *Encyclopedia of the Mind*.

Ariew, A. (in preparation) "Nature vs. Nurture". *Encyclopedia of Life*.

Ariew, A. (in preparation) "Cause and Natural Selection", in preparation, to appear in *Compass Philosophy* (ed. Brian Weatherston)

Ariew, A. and Ernst, Z. (submitted) "Why Fitness is not a Propensity".

Matthen, M. and Ariew, A. (submitted) "Selection and Causation"

Ariew, A. (book ms. in preparation) *Natural Selection Explained*.

BOOK REVIEWS

J. Alcock *The Triumph of Sociobiology* (forthcoming 2003) *History of Biology*

R. Lewontin's *The Triple Helix*. (forthcoming 2003) *Studies in the Philosophy of Biological Sciences*

S. Sarkar's *Genetics and Reductionism*. (2000). *Philosophical Quarterly*.

PRESENTATIONS

"Darwin Old and New": University of Missouri, Ellis Library for the 5th Annual MU Life Science and Society Symposium. (March 5, 2009).

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

- "Population Thinking": University of Toronto Institute for the History and Philosophy of Science and Technology Colloquium (2007)
- "Natural Selection and Causation: Status of the Debate": University of Toronto Institute for the History and Philosophy of Science and Technology Conference on Philosophy of Biology, invited participant (2007)
- "Natural Selection Explanations", Department of Computer Science and Informatics, University of Windsor, Colloquium (2007)
- "Evolutionary Anthropology from a logical point of view", Konrad Lorenz Institute Workshop on Innovation in Cultural Systems, Vienna, Austria (2007)
- "What Fitness Ain't" (with Zac Ernst), American Philosophical Association-Pacific. San Francisco, CA (2007).
- "Innateness and Triggering": Philosophy and Neuroscience Program, Washington University in St. Louis (2006)
- "Natural selection and causation": Boston Colloquia for the History and Philosophy of Science, Boston, MA (2006)
- "How Fitness Misleads Us About Natural Selection": Department of Philosophy, University of Utah (2006)
- "Biological norms, functions, and nature: lessons from the neo-Darwinian revolution": Journée épistémologie de la biologie: Les normes du vivant, Université Paris 7, March 7, 2005
- "Darwin's Natural Selection and 'neo-Darwinian' selection: Some crucial differences" .: 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": Department of Philosophy, University of Missouri (2004). Department of History and Philosophy of Science, Cambridge University, UK, (2005).
- "Rethinking 'Population Thinking'": UK Philosophy of Biology Colloquia, Cambridge University, UK. (2004).
- "Adaptationism and Its Alternatives": 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": Annual Philosophy of Biology Conference, Florida State University (2002)
- "Innateness and Triggering: The Search for a Biological Account": 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": Department of Biology and Philosophy, Rhode Island College (2001).
- "Mayr's Ultimate and Proximate Cause Distinction Revisited": International Society for the History, Philosophy and Social Studies of Biology, Quinnipiac, CT (2001)
- "Trials of Life: Natural Selection and Random Drift (co-authors 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" (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": History of Science and Technology, U. of Minnesota (2000)

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

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

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

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

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

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

GRANTS, FELLOWSHIPS, AWARDS

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)

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

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

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.

University of Rhode Island for Research Faculty Equipment Grant (\$2800) for the purchase of a computer for a computer-aided instruction project. Fall 1998.

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

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

Project Assistant to Dr. Elliott Sober, University of Wisconsin, Fall 1995 (\$7500). Honor's Distinction in Philosophy, University of Arizona, Spring 1990.

REFeree

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

Journals: Philosophy of Science, British Journal for the Philosophy of Science, Perspectives on 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

REFERENCES

Robert Cummins, Department of Philosophy, University of Illinois, <mailto:rcummins@uiuc.edu>

Richard Lewontin, Museum of Comparative Zoology, Harvard University, <mailto:lewontin@oeb.harvard.edu>

Mohan Matthen, Department of Philosophy, University of Toronto, <mailto:mohan.matthen@utoronto.ca>

Alexander Rosenberg, Department of Philosophy, Duke University, <mailto:alexrose@duke.edu>

Michael Ruse, Department of Philosophy, Florida State University, <mailto:mruse@mailier.fsu.edu>

Elliott Sober, Department of Philosophy, University of Wisconsin-Madison, <mailto:ersober@wisc.edu>