

Shawn A. Miller

Curriculum Vitae

Department of Philosophy
Science & Technology Studies Program
University of California, Davis
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Education

- University of California, Davis, Ph.D., Philosophy with Science & Technology Studies designated emphasis (in progress)
Dissertation: *On the Character of Reprogrammable Electronic Digital Computers*
Co-Advisors: James R. Griesemer and Roberta L. Millstein
- University of California, Davis, M.A., Philosophy, May 2013
- University of South Carolina, graduate course work, Philosophy, 1998-99, 2000-01
- Virginia Tech, B.A., Philosophy with Literature minor (Magna Cum Laude, Phi Beta Kappa), June 1998

Research Interests

- Philosophy of Technology
- Science & Technology Studies
- Philosophy of Science

Publication

- Miller, Shawn A., "[The e-Mouse Atlas Project \(1992- \)](#)". *Embryo Project Encyclopedia* (2014-06-11). ISSN: 1940-5030

American Philosophical Association Comments

- Miller, Shawn A. "What Exactly is the Target? Comments on MacIntyre, Preston, and Technological Determinism." Presented at the Pacific Division Meeting of the American Philosophical Association, San Francisco, CA, March 30, 2016.
- Miller, Shawn A. "Tokens, Types, Causes and Criteria: A Response to Kwek on the Malfunction Problem. Presented at the Pacific Division Meeting of the American Philosophical Association, Seattle, WA, April 6, 2012.

Conference Presentations

- “Can You Help Me Fold This? Proteins, Computer Architecture, and Citizen Science.”
 - Presented at the International Society for the History, Philosophy, and Social Studies of Science (ISHPSSB), Montreal, July 2015.
 - Presented at the Annual Meeting of the Society for Social Studies of Science, Denver, Colo., November 2015.
- “How to Make Theory Travel: Methods and Modeling of Simulated Ecological Systems.” Presented at the Society for Social Studies of Science (4S) annual meeting, San Diego, October 2013.
- “Trading Fiction for Performance: How to Understand Computer Simulations of Ecological Systems.”
 - Presented at the International Society for the History, Philosophy, and Social Studies of Science (ISHPSSB), Montpellier, France, July 2013.
 - Presented at the 18th International Conference of the Society for Philosophy and Technology, Lisbon, Portugal, July 2013.

Graduate Conferences

- “A Problem for Biology? Comments on Organisms, Life and Unity.” Presented at the Berkeley-Stanford-Davis Philosophy Conference, Davis, CA, April, 2014.
- “No Function without Abstraction, No Simulation without Silicon: How Microprocessors Place Pressure on Theories of Technical Artifacts and Canalize Science for Good Measure.” Presented at UC Davis Science & Technology Studies Graduate Student Conference/Workshop, University of California, Davis, March 2014.
- “How Long Will This Take? Computational Resources, Time and Energy in Protein Folding Simulations.” Presented at the UC Davis-UC Santa Cruz Cultural Anthropology Graduate Research Conference, University of California, Davis, May 2013.
- “What Medical Ethnography Can Teach Philosophy About Population Biology Models.” Presented at 2013 Interdisciplinary Graduate and Professional Student Symposium, University of California, Davis, April 2013
- “Not Even False: Minimalism, Metaphilosophy, Meaninglessness and an Unsavory Sorites Solution.”
 - Presented at Intermountain West Philosophy Conference, University of Utah, March 2012.
 - Presented at Biology and Society Lab, Arizona State University, January 2012.
- “What We Can Expect from Frege: A Response to Gin.” Presented at Intermountain West Philosophy Conference, University of Utah, March 2012.

Teaching Experience

Courses Taught

- Appraising Scientific Reasoning, UC Davis, Summer 2016
- Philosophy of Biology, UC Davis, Summer 2015
- Introduction to Philosophy of Science, UC Davis, Spring 2015
- Appraising Scientific Reasoning, UC Davis, Summer 2014
- Introduction to Philosophy of Biology, UC Davis, Winter 2014
- Introduction to Philosophy of Science, UC Davis, Summer 2012
- Introduction to Philosophy, Augusta State University, Spring 2001
- Introduction to Philosophy, University of South Carolina, Spring 2001

Courses Assisted

- Asian Philosophy, UC Davis, Winter 2018
- Introduction to Philosophy, UC Davis, Fall 2017
- Philosophy of Biology, UC Davis, Winter 2017
- Introduction to Bioethics, UC Davis, Fall 2016
- Introduction to Philosophy of Science, UC Davis, Winter 2015
- Philosophy of Biology, UC Davis, Fall 2014
- Philosophy of Mind (Reader), UC Davis, Spring 2014
- Introduction to Philosophy, UC Davis, Spring 2014
- Appraising Scientific Reasoning (Lead TA), UC Davis, Fall 2013
- Minds, Brains and Computers, UC Davis, Spring 2013
- Appraising Scientific Reasoning, UC Davis, Winter 2013
- Introduction to Philosophy of Biology, UC Davis, Fall 2012
- Introduction to Philosophy, UC Davis, Spring 2012
- Introduction to Logic, University of South Carolina, Fall 2000
- Introduction to Philosophy, University of South Carolina, Fall 1998, Spring 1999

Graduate Student Researcher Appointments

- Graduate Student Researcher, Department of Philosophy, UC Davis, Summer 2017
- Encyclopedia of Women and Islamic Cultures, Graduate Student Researcher for Prof. Suad Joseph, Department of Anthropology, UC Davis, Fall 2015, Winter 2016, Spring 2016
- Undergraduate Instructional Improvement Program Grant, “Revising PHI 31: Pedagogical Innovation for Hybrid Online and Active-learning Instruction in Understanding and Appraising Scientific Reasoning,” Graduate Student Researcher for Prof. James Griesemer, Department of Philosophy, UC Davis, Summer 2013

Grants and Fellowships

- UC Davis Philosophy Department Fellowship for Service, Fall 2014
- International Society for History, Philosophy, and Social Studies of Biology Travel Grant, Summer 2013
- Philosophy of Science Association Travel Grant, November 2012
- NSF Embryo Project Training Fellow, Winter 2012
- Visiting Scholar, Arizona State University, Winter 2012
- UC Davis Philosophy Department Fellowship, Fall 2011
- UC Davis Philosophy Department Travel Grant, July 2015, October 2013, June 2013

Academic Service

- Paper Referee for 2015 Berkeley-Stanford-Davis Philosophy Conference.
- Chair of Session A Neo-Lockean Reply to Johnston at the Berkeley-Stanford-Davis Philosophy Conference, Davis, CA, April 2014.
- Chair of session at Genomics and the Philosophy of Race Workshop, University of California, Davis, March 2014.
- Microprocessors and Protein Folding, or, Are You Sure This is Philosophy? Presented at the UC Davis Undergraduate Philosophy Club, November 2013.
- Graduate Student Mentor, Department of Philosophy, University of California, Davis, 2013 and 2015 academic years.
- Member of Organizing Committee and Panel Participant, Training and Information of Pedagogical Salience, Department of Philosophy, University of California, Davis, September 2013 and 2015.
- Chair of session Confirmation and Evidence at the Twenty-Third Biennial Meeting of the Philosophy of Science Association, San Diego, CA, November 2012
- UC Davis Philosophy Department Social Media Chair (Facebook/Twitter/Tumblr), 2012-2016
- UC Davis Philosophy Department Infrastructure Committee, 2011-2012

Workshops and Retreats

- Participant in STS Southern California Winter Retreat, Anza-Borrego Desert, Borrego Springs, CA, Feb. 22-24, 2013. (Funded)
- Participant in 2012 MBL-ASU HPS Informatics Workshop, Woods Hole, MA, April 12-15, 2012. (Funded)

Professional Affiliations

- American Philosophical Association
- International Society for the History, Philosophy, and Social Studies of Biology
- National Book Critics Circle
- Philosophy of Science Association
- Society for the History of Technology
- Society for Philosophy and Technology
- Society for Social Studies of Science

Editorial Experience

Daily Republic, Fairfield, Calif.

- News Editor, 2008-10
- Assistant News Editor, 2005-08
- Copy Editor/Page Designer, 2003-05
- Columnist/Book Reviewer, 2002-06
- Staff Writer, 2001-03

Freelance Book Criticism

The Sacramento News and Review

- [Slacker madness](#). Review of *Doing Nothing: A History of Loafers, Loungers, Slackers and Bums in America* by Tom Lutz
- [Consider the writer](#). Review of *Consider the Lobster* by David Foster Wallace
- [About The Nation](#). Review of *A Matter of Opinion* by Victor S. Navasky
- [About a boy](#). Review of *Extremely Loud and Incredibly Close* by Jonathan Safran Foer
- [A poet's prose](#). Review of *Cutty, One Rock: Low Characters and Strange Places, Gently Explained* by August Kleinzahler
- [Desparate longings](#). Review of *The Curse of the Appropriate Man* by Lynn Freed

Technical Experience

- **Languages:** bash, CSS, HTML, Markdown, PHP, TeX, Wiki Markup, XML
- **Operating Systems:** FreeNAS, GNU/Linux, macOS, PC-BSD, Windows XP/Vista,7/10
- **Web Content Management Systems:** MediaWiki, phpBB, Plone, Squarespace, Weebly, Wordpress