

BEATRICE LOLA STEINERT

E-mail: bsteinert@g.harvard.edu Website: beatricesteinert.com Twitter: b_steinert

Education

PhD in History of Science, Harvard University, expected 2024

MA in Organismic and Evolutionary Biology, Harvard University, expected 2021

BA in Biology (Honors) & Science and Society, Brown University, 2016

- Honors Thesis: “Drawing Embryos Together: Processes of Seeing Development in *Crepidula fornicata*”
- BA partly fulfilled in Printmaking, Rhode Island School of Design (RISD)

Awards, Prizes, and Fellowships

National Science Foundation Graduate Research Fellowship, Harvard University, 2018-2021

Presidential Scholar, Harvard University, 2018-2024

McDonnell Fellowship, Marine Biological Laboratory, 2018

Catherine N. Norton Fellowship, MBLWHOI Library, 2016-2017

Dean Marjorie Thompson Senior Prize in Biology (outstanding interdisciplinary student-educator), Brown University, 2016

S.C. Rosenberger Prize for the Best Undergraduate Thesis in Science and Technology Studies, Brown University, 2016

Royce Fellowship, Brown University, 2015-2016

Research at Brown Grant, Brown University, 2015-2016

National Science Foundation RI EPSCoR Undergraduate Research Fellowship, Rhode Island School of Design, 2014

Employment and Teaching

Wharton Lab, Brown Dept. of Molecular Biology, Cell Biology, and Biochemistry, *Research Assistant (full time)* **2016-2018**

- Investigated the role of mitochondria morphology and function in nervous system development and degeneration of *Drosophila melanogaster* amyotrophic lateral sclerosis (ALS) models
- Managed a lab that uses *Drosophila* to understand molecular mechanisms underlying cell communication, function, and behavior during embryonic development and degeneration in neurodegenerative disease models

Developmental Biology, Brown University, *Guest Lecturer and Teaching Assistant* **Fall 2017**

Biological Design: Structural Architecture of Organisms, Brown University, *Undergraduate Teaching Assistant* **2014-2015**

Published Work

Book Chapters

- **Beatrice Steinert** and Kate MacCord, “Visualizing the Cell: Pictorial Styles and their Epistemic Goals in *General Cytology*,” in *Visions of Cell Biology: Reflections Inspired by Cowdry’s General Cytology*, eds. Karl Matlin, Jane Maienschein, and Manfred Laubichler, University of Chicago Press, 2018.

Journal Articles

- “Microscopic Discovery: A Guide for Seeing Life at Small Scale,” *Synthesis: An Undergraduate Journal of the History of Science*, Issue 6, 2015, pp 25-36. (Harvard University)

Other Media

- “Visual Media in Embryology,” MBL History Project digital exhibit (2017)
- “Drawing Embryos, Seeing Development,” The Node (January 25th, 2016)
- **Beatrice Steinert** and Jane Maienschein, “Edmund Beecher Wilson,” MBL History Project digital exhibit (2016)

Talks and Conference Presentations

- “**Seeing Time, Making Embryos Visible**,” *Harvard Modern Sciences Working Group*, Cambridge, MA, October 30, 2018.
- “**Exploring the Past, Present, and Future of Cell Lineage Studies**,” *Marine Biological Laboratory (MBL) Embryo Journal Club*, Woods Hole, MA, June 1, 2018.
- “**Drawing Embryos Together: Seeing ‘The Embryology of Crepidula**,” *Joint Atlantic Seminar for the History of Biology*, Philadelphia, PA, March 25, 2017.
-----invited talk, *Marine Biological Laboratory (MBL)*, Woods Hole, MA, July 5, 2017.
-----invited talk, *Princeton History of Science department*, Princeton, NJ, Dec. 6, 2017.

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- **“Seeing *Crepidula fornicata* Development under the Microscope and in Virtual Reality,”** *Society for Developmental Biology 75th Annual Meeting*, Boston, MA, August 4-8, 2016. (poster)
-----RI NSF EPSCoR 2017 *Annual Research Symposium*, Providence, RI, April 12, 2017.
- **“Drawing Embryos Together: Processes of Visualizing Cell Lineage in *Crepidula fornicata*,”** *History of Science Society*, San Francisco, CA, Nov. 21-24, 2015. (poster)
- **“Let Me Tell You a Story: Curating Charisma for Successful Science Communication,”** *Better World by Design*, Providence, RI, Sept. 20-22, 2014. (presented with Noah Schlottman)

Group Exhibitions

- *Potters and Printmakers*, Russell Janis Gallery, Brooklyn, NY (2017)
- *Wonder*, RISD Nature Lab, Providence, RI (2017)
- *STEAMshow*, Brown University Science Center, Providence, RI (2014)

Press

- “Sketching the Beginnings of Life, One Cell at a Time,” *Scientific American* (February 22nd, 2017)
- “Drawing life at its start, cell by cell,” *STAT News* (February 22nd, 2017)
- “Undergrad Charts Own Path in Scientific Quest,” *Rhode Island NSF EPSCoR* (2016)
- “Exploring Life in a Drop of Water,” *RISD News* (September 9th, 2014)