

CURRICULUM VITAE

BENNETT A. MCINTOSH

5084 MOSSE HUMANITIES BUILDING
UW MADISON – DEPARTMENT OF HISTORY
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EDUCATION

- 2022– **Ph.D. student, History of Science, Medicine, and Technology**
University of Wisconsin–Madison, Madison, WI
Certificate in Science and Technology Studies
- 2022 **M.A., History of Science, Medicine, and Technology**
University of Wisconsin–Madison, Madison, WI
Thesis: "Abstraction, Data-Based Biology, and Social Science After the Genome"
- 2017 **M.S., Science Writing**
Massachusetts Institute of Technology, Cambridge, MA
Thesis: "SuperAgers: Do octogenarians with exceptional memory hold the key to healthy aging?"
- 2016 **B.A., Chemistry, *magna cum laude***
Princeton University, Princeton, NJ
Thesis: "Negative Selection with a *de novo* Library of Amphiphilic Peptides from Unevolved Sequence Space"

FUNDED RESEARCH PROJECTS

- 2022– **Open Science and Environmental Regulation**
With Nicole Nelson, UW-Madison, Madison, WI
- 2015–2016 ***De novo* protein library design & characterization**
Lab of Michael Hecht, Princeton University, Princeton, NJ
- Spring 2015 ***De novo* polypeptide design & characterization**
Lab of Louise Serpell, University of Sussex, Brighton, UK
- Summer 2014 **Computational simulation of restriction enzyme dynamics**
Lab of Rüdiger Ettrich, Czech Academy of Sciences, Nové Hradý, CZ
- Summer 2013 **Transcriptomics of *S. cerevisiae* respiration cycle**
Lab of Megan McClean, Princeton University, Princeton, NJ

OTHER PROFESSIONAL EXPERIENCE

- 2022– **Editorial Project Assistant**
Social Studies of Science

- 2016–2021 **Freelance Science Reporter & Editor**
Harvard Magazine; NOVAnext; Oceanus, Princeton Alumni Weekly; Science for the People
- 2018–2020 **Science Communications Contractor**
 Hertz Foundation; National High Magnetic Field Laboratory; Princeton University, University of Georgia
- 2017–2018 **Communications Officer**
 The Fannie & John Hertz Foundation, Livermore, CA
- Summer 2017 **Public Affairs Intern**
 University of California, San Francisco Public Affairs Office, San Francisco, CA
- Summer 2016 **Science Writing Intern**
 Princeton University Office of the Dean for Research, Princeton, NJ

PEER-REVIEWED PUBLICATIONS

- 2017 Al-Garawi, Z. S., B. A. McIntosh, D. Neill-Hall, A. A. Hatimy, S. M. Sweet, M. C. Bagley, and L. C. Serpell. **"The Amyloid Architecture Provides a Scaffold for Enzyme-like Catalysts."** *Nanoscale* 9, no. 30 (2017): 10773–83. <https://doi.org/10.1039/C7NR02675G>.

CONFERENCE PRESENTATIONS

- 2022 McIntosh, B. **"Abstraction, Data-Based Biology, and Social Science after the Genome."** April 2022, Midwest Junto for the History of Science, Ames, IA *Conference Cancelled due to COVID
- 2014 McIntosh, B., P. Grinkevich, A.R. Li, R. Ettrich. **"Exploring the conformational space of a new domain in EcoR124I's translocation- restriction subunit."** July 2014, Conference of the 2nd Summer School in Molecular Biophysics and Systems Biology, Nové Hrad, CZ

JOURNALISM & OTHER PUBLIC WRITING

Sole-authored unless otherwise noted; in the electronic version of this document, most titles are hyperlinks

2022:

- **"Blending Neuroscience and Psychiatry."** *Princeton Alumni Weekly*, February 2022

2020:

- **"Scientists Consider Parallels in Climate, Conservation, and COVID-19."** *Princeton Alumni Weekly*, December 2020
- **"Physics Professor and Colleagues Develop New Respirator for COVID."** *Princeton Alumni Weekly*, September 2020
- **"Coastal Banks Shed Risky Mortgages—Putting the Financial System at Risk."** *Harvard Magazine*, July 1, 2020 (online only)
- **"Cornering COVID-19."** *Harvard Magazine*, July-August 2020
- **"Small Ways to Keep COVID at Bay."** *Princeton Alumni Weekly*, June 4, 2020 (online only)

- "Butterfly Wings in a New Light." *Harvard Magazine*, May-June 2020
- "Q&A: Laura Kahn on COVID's Spread and How We Defeat It," April 22, 2020
- "Weather Cycles Boost Wind Farms." *Princeton Alumni Weekly*, April 8, 2020
- "The Link Between Nature and Nurture in Teen Smoking." *Princeton Alumni Weekly*, March 4, 2020
- "Ghost Stories for the Apocalypse" (review of Ken Liu's *The Hidden Girl and Other Stories*), *Harvard Magazine*, February 2, 2020 (online only)
- "An Interstellar Ribbon of Clouds in the Sun's Backyard." *Harvard Magazine*, January 7, 2020 (online only)

2019:

- Researcher and contributing editor for Goodman, Daniel. *Find Your Path: Unconventional Lessons from 36 Leading Scientists and Engineers*, MIT Press, December 2019
- "The Science Journalism We Need." *Science for the People*, Vol. 22 No. 2, The Science We Need (Fall 2019)
- "Troubling Online Shopping Habits? Vendors' Practices Might Be to Blame." *Princeton Alumni Weekly*, November 13, 2019
- "Speciation is More Complicated than Darwin Could Have Imagined." *Harvard Magazine*, October 31, 2019 (online only)
- "The Science of Sex (Profile of Sarah Richardson)." *Harvard Magazine*, November-December 2019 (cover story)
- "Are Super Responders Special?" *Harvard Magazine*, September-October 2019
- "There's (Still) No Gay Gene," *Harvard Magazine*, August 29, 2019 (online only)
- "Bias, Quantified." *Princeton Alumni Weekly*, June 5, 2019
- "Janet Vertesi on Fair Necessities." *Princeton Alumni Weekly*, May 15, 2019
- "Cities Too Smart for Their Own Good?" *Harvard Magazine*, May-June 2019
- "Gene Editing and Ethics" *Harvard Magazine*, March-April 2019
- "How Facts Are Distorted." *Princeton Alumni Weekly*, March 20, 2019
- "The Lost History of Iberia." *Harvard Magazine*, March 14, 2019
- "Designs for an Uncertain Future." *Princeton Alumni Weekly*, March 6, 2019
- "A Crossroads in Biomedicine?" *Harvard Magazine*, February 7, 2019 (online only)

2018:

- "Looking at the Sun." *Princeton Alumni Weekly*, December 5, 2018
- "Genetics and the Human Revolution." *Harvard Magazine*, October 30, 2018
- "Making Smart Machines Fair." *Princeton Alumni Weekly*, June 6, 2018 (cover story)
- "A Species in the Making." *Princeton Alumni Weekly*, March 7, 2018

2017:

- "Domestic Dogs' Affability May Be Thanks to a Genetic Boost." *Princeton Alumni Weekly*, October 4, 2017
- "How Do Fish Find Their Way?" *Oceanus*, September 6, 2017
- "Common House Dust Could Contain Cancer-Causing Molecules." *NOVA Next*, January 9, 2017

2016:

- "Emergency Response, Courtesy of Twitter." *NOVA Next*, December 6, 2016

- **"Ancient Cultural Exchanges May Have Driven Modern Human Behaviors."** *NOVA Next*, November 10, 2016
- **"'Superaging': How Some 80-Year-Olds' Memories Are as Sharp as 20-Year-Olds'."** *NOVA Next*, October 24, 2016

Non-DEGREE COURSEWORK

- Spring 2019 **STS.414 "Risk, Fortune, and Futurity"**
Visiting student in graduate seminar in MIT's History Anthropology, and STS program
- Spring 2018 **STS.462 "Societal and Political Implications of Technology"**
Visiting student in graduate seminar in MIT's History Anthropology, and STS program

AWARDS AND HONORS

- 2022** **History Graduate Student Summer Funding**
UW Madison department of History (Value: \$2,000 over three months)
- 2020** **Holtz Center Top-Up Award**
Holtz Center for Science and Technology Studies, UW-Madison. (Value: \$4,000 over two years)
- 2016** **Fulbright Award**
Lund University, Lund, SE (Value: SEK 119,000 over one year; declined)
- 2016** **High Meadows Research and Communications Fellowship**
Climate Central, Princeton, NJ (Value: \$73,500 over two years; declined)

TEACHING EXPERIENCE

As Teaching Assistant:

- Spring 2022 **The Making of Modern Science** [Hist Sci 202, with Prof. Devin Kennedy]
- Fall 2021 **The Digital Age** [Hist Sci 150, with Prof. Devin Kennedy]

PROFESSIONAL DEVELOPMENT

- Summer 2021 **"The Discussion Project."** Teaching Workshop, Wisconsin Center for Education Research, UW-Madison
- Summer 2021 **"Qualitative Research Methods: Analyzing Data."** Online course, MITx
- Summer 2021 **"Qualitative Research Methods: Conversational Interviewing."** Online course, MITx

MEMBERSHIPS

- 2020– Society for the Social Studies of Science

2020–	History of Science Society
2014–2016	American Chemical Society