

## CURRICULUM VITAE

### **Bennett A. McIntosh**

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## EDUCATION

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- 2022 - **Ph.D. student, History of Science, Medicine, and Technology**  
University of Wisconsin-Madison, Madison, WI  
*Certificate in Science and Technology Studies*
- 2022 (expected) **M.A., History of Science, Medicine, and Technology**  
University of Wisconsin-Madison, Madison, WI
- 2017 **M.S., Science Writing**  
Massachusetts Institute of Technology, Cambridge, MA
- 2016 **B.A., Chemistry, magna cum laude**  
Princeton University, Princeton, NJ

## RESEARCH PROJECTS

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- 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
- 2015 **De novo polypeptide design & characterization**  
Lab of Louise Serpell, University of Sussex, Brighton, UK
- 2014 **Computational simulation of restriction enzyme dynamics**  
Lab of Rüdiger Ettrich, Czech Academy of Sciences, Nové Hradky, CZ
- 2013 **Transcriptomics of *S. cerevisiae* respiration cycle**  
Lab of Megan McClean, Princeton University, Princeton, NJ

## OTHER PROFESSIONAL EXPERIENCE

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- 2022 - **Editorial Project Assistant**  
*Social Studies of Science*
- 2016 - **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
- 2017            **Public Affairs Intern**  
University of California, San Francisco Office of Public Affairs, San Francisco, CA
- 2016            **Science Writing Intern**  
Princeton University Office of the Dean for Research, Princeton, NJ

## **PEER-REVIEWED PUBLICATIONS**

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- 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**

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- 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 Hradý,  
CZ

## **JOURNALISM & OTHER PUBLIC WRITING**

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*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**

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

## **AWARDS AND HONORS**

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- 2020      **Holtz Center Top-Up Award**  
Holtz Center for Science and Technology Studies, UW-Madison. (Value: \$4,000 over two years)
- 2016      **Fulbright Award**  
Host institution: Lund University, Lund, SE (Value: SEK 119,000 over one year; declined)
- 2016      **High Meadows Research and Communications Fellowship**  
Host institution: Climate Central, Princeton, NJ (Value: \$73,500 over two years; declined)

## **TEACHING EXPERIENCE**

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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**

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- 2021      **“The Discussion Project.”** Discussion-based pedagogy workshop, Wisconsin Center for Education Research, UW–Madison
- 2021      **“Qualitative Research Methods: Analyzing Data.”** Online course, MITx
- 2021      **“Qualitative Research Methods: Conversational Interviewing.”** Online course, MITx

## **MEMBERSHIPS**

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- 2020 -      Society for the Social Studies of Science
- 2020 -      History of Science Society
- 2014 - 2016    American Chemical Society