

# Curriculum Vitae

## **Bennett McIntosh**

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## **Education**

- 2022– **Ph.D. candidate, History of Science, Medicine, and Technology**  
University of Wisconsin–Madison, Madison, WI  
*Minor in Science and Technology Studies*
- 2022 **M.A., History of Science, Medicine, and Technology**  
University of Wisconsin–Madison, Madison, WI  
*Thesis: “Abstraction, Data-Centric 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”*

## **Other Professional Experience**

- 2022–2023 **Editorial Project Assistant**  
*Social Studies of Science*, Madison, WI
- 2016– **Freelance Science Reporter & Editor**  
*Harvard Magazine*; *NOVAnext*; *Oceanus*; *Princeton Alumni Weekly*; *Science for the People*; *Tenderly*

2018–2020	<b>Science Communications Contractor</b> Hertz Foundation; National High Magnetic Field Laboratory; Princeton University; University of Georgia
2017–2018	<b>Communications Officer</b> The Fannie & John Hertz Foundation, Livermore, CA
2017	<b>Public Affairs Intern</b> University of California, San Francisco Office of Public Affairs, San Francisco, CA
2016	<b>Science Writing Intern</b> Princeton University Office of the Dean for Research, Princeton, NJ

## Publications

### 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. [doi.org/10.1039/C7NR02675G](https://doi.org/10.1039/C7NR02675G)

### Book Reviews

- 2022      McIntosh, B. Review of Hoeyer, K. *Data Paradoxes: The Politics of Intensified Data Sourcing in Contemporary Healthcare*. March 2024, H-Sci-Med-Tech. [www.h-net.org/reviews/showpdf.php?id=60009](http://www.h-net.org/reviews/showpdf.php?id=60009)

### Manuscripts

- In review      McIntosh, B., K. Ichikawa, N. Nelson. “**Adversarial reanalysis and the challenge of open data in regulatory science.**” Under review at *Big Data and Society*. [[Preprinted at MetaArXiv](#)]

## Conference Presentations

- 2025      McIntosh, B. “**Seeing like a meta-analysis: A data-driven history of GWAS consortia**” July 2025, International Society for the History, Philosophy, and Social Studies of Biology meeting, Porto, PT. Co-convenor of panel “‘Population’ Revisited: Histories of an Idea in Human Genetics” with Kathryne Metcalf

- 2025 McIntosh, B. **“Reducing or Reproducing: Precisely how are social categories geneticized?”** May 2025, European Social Science Genomics Network Conference, Bristol, UK
- 2025 McIntosh, B. **“Precisely how are social categories geneticized?”** May 2025, The Advances in Social Genomics Conference, Madison, WI
- 2024 McIntosh, B. **“Managing Data, Managing Controversy: Data sharing in social genomics.”** July 2024, European Association for the Study of Science and Technology/Society for Social Studies of Science, Amsterdam, NL
- 2024 McIntosh, B. **“Biobanks for Social Science? Data- and values-sharing between biobanks and social genomics.”** April 2024, BIO-CONTEXT workshop on “Data flows? Making and Sharing Data in Biomedical Research: Between Local and Cross-Border Practices,” Athens, GR
- 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

## Teaching Experience

### As Instructor of Record:

- Summer 2024 **Bees, Trees, Germs, and Genes: A History of Biology** (Hist Sci 132)  
UW-Madison, Madison, WI

### As Teaching Assistant:

- Fall 2024 **The Digital Age** (Hist Sci 150)  
With Prof. Devin Kennedy, UW-Madison, Madison, WI  
*\*also Fall 2021*
- Spring 2024 **Biology and Society, 1950-present** (Hist Sci 133)  
With Prof. Nicole Nelson, UW-Madison, Madison, WI
- Spring 2022 **The Making of Modern Science** (Hist Sci 202)  
With Prof. Devin Kennedy, UW-Madison, Madison, WI

## Awards & Honors

- 2024            **Holtz Summer Scholar Award**  
Holtz Center for Science and Technology Studies, UW-Madison.  
*Value: \$4,000 over one year*
- 2025            **“Data Management as Controversy Management: The Infrastructure of Social Science Genomics”**  
National Science Foundation Doctoral Dissertation Improvement Grant  
*Value: \$25,000 over two years*
- 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*
- High Meadows Research and Communications Fellowship**  
Host institution: Climate Central, Princeton, NJ.  
*Value: \$73,500 over two years; declined*

## Journalism & Public Writing

### 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,”](#) *Princeton Alumni Weekly* April 22, 2020

- “Don’t let COVID-Induced Racism Protect American Animal Cruelty,” *Tenderly*, April 20, 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

- *Find Your Path: Unconventional Lessons from 36 Leading Scientists and Engineers*, MIT Press, December 2019 (By Daniel Goodman; I was researcher & contributing editor)
- “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 (online only)
- “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

## Professional Development & Non-degree Coursework

2021	<p><b>The Discussion Project</b> Three-day discussion-based pedagogy workshop, Wisconsin Center for Education Research, UW–Madison</p> <p><b>Qualitative Research Methods: Analyzing Data</b> Online course, MITx</p> <p><b>Qualitative Research Methods: Conversational Interviewing</b> Online course, MITx</p>
2019	<p><b>Risk, Fortune, and Futurity</b> (STS 414) With Profs. William Deringer &amp; Caley Horan, MIT, Cambridge, MA (visiting student)</p>
2018	<p><b>Societal and Political Implications of Technology</b> (STS 462) With Prof. M. Roe Smith, MIT, Cambridge, MA (visiting student)</p>

## Memberships

2020–	<p>Society for the Social Studies of Science</p> <p>History of Science Society</p>
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2014–2016

American Chemical Society