

# 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  
*Certificate 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., <u>B. A. McIntosh</u> , D. Neill-Hall, A. A. Hatimy, S. M. Sweet, M. C. Bagley, and L. C. Serpell. “ <b>The Amyloid Architecture Provides a Scaffold for Enzyme-like Catalysts.</b> ” <i>Nanoscale</i> 9, no. 30 (2017): 10773–83. <a href="https://doi.org/10.1039/C7NR02675G">https://doi.org/10.1039/C7NR02675G</a>
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### Book Reviews

2022	<u>McIntosh, B.</u> Review of Hoeyer, K. <i>Data Paradoxes: The Politics of Intensified Data Sourcing in Contemporary Healthcare</i> . March 2024, H-Sci-Med-Tech.
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### Manuscripts

In review	<u>McIntosh, B.</u> , K. Ichikawa, N. Nelson. “ <b>Adversarial reanalysis and the challenge of open data in regulatory science</b> ” Under review at <i>Big Data and Society</i>
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## Conference Presentations

2024	<u>McIntosh, B.</u> “ <b>Managing Data, Managing Controversy: Data sharing in social genomics.</b> ” July 2024, European Association for the Study of Science and Technology/Society for Social Studies of Science, Amsterdam, NL
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- 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

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

## Memberships

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