

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; *NOVA*next; *Oceanus*; *Princeton Alumni Weekly*; *Science for the People*; *Tenderly*

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

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

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

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

- 2025 **Holtz Summer Scholar Award**
Holtz Center for Science and Technology Studies, UW-Madison.
Value: \$4,000 over one year
- “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>The Discussion Project Three-day discussion-based pedagogy workshop, Wisconsin Center for Education Research, UW–Madison</p> <p>Qualitative Research Methods: Analyzing Data Online course, MITx</p> <p>Qualitative Research Methods: Conversational Interviewing Online course, MITx</p>
2019	<p>Risk, Fortune, and Futurity (STS 414) With Profs. William Deringer & Caley Horan, MIT, Cambridge, MA (visiting student)</p>
2018	<p>Societal and Political Implications of Technology (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