

Curriculum Vitae

Bennett McIntosh
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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
- 2017 **M.S., Science Writing**
Massachusetts Institute of Technology, Cambridge, MA
- 2016 **B.A., Chemistry (*magna cum laude*)**
Princeton University, Princeton, NJ

Research Projects

- 2022– **Open science & 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 Hrad, CZ

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, Madison, WI

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

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

Teaching Experience

As Teaching Assistant:

- Spring 2022 **The Making of Modern Science** (Hist Sci 202)
With Prof. Devin Kennedy, UW-Madison, Madison, WI
- Fall 2021 **The Digital Age** (Hist Sci 150)
With Prof. Devin Kennedy, UW-Madison, Madison, WI

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
- [“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

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| 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) |

Awards & Honors

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

Memberships

2020– Society for the Social Studies of Science

History of Science Society

2014–2016 American Chemical Society