

EDUCATION

- S.M. in Science Writing** October 2017
Massachusetts Institute of Technology, Cambridge MA
Thesis: *SuperAgers: Do octogenarians with exceptional memory hold the key to healthy aging?*
Advisor: Seth Mnookin
- A.B. in Chemistry, magna cum laude** May 2016
Princeton University, Princeton NJ
Thesis: *Negative Selection with a de novo Library of Amphiphilic Peptides from Unevolved Sequence Space*
Advisor: Michael H. Hecht

PROFESSIONAL EXPERIENCE

- Freelance Science Reporter & Editor** September 2016 – present
Stories in *Harvard Magazine*; *NOVA Next*; *Oceanus*, Princeton Alumni Weekly; *Science for the People*
- Science Communications Contractor** October 2018 – present
Writing for National High Magnetic Field Laboratory; Princeton University; The University of Georgia
- Communications Consultant** October 2018 – October 2019
Communications Officer September 2017 – October 2018
The Fannie & John Hertz Foundation, Livermore CA
- Commission, write, and edit (or film and produce) research stories and profiles of current PhD fellows and alumni
 - Coordinate with development team and external PR team to plan social media, earned media, and email campaigns
- Science Writing/Public Affairs Internships**
- University of California, San Francisco June – August 2017
Princeton University Office of the Dean for Research June – August 2016

RESEARCH PROJECTS

- Undergraduate Research Assistant** in the lab of:
- **Michael Hecht**, Princeton University June 2015 – June 2016
De novo protein library design & characterization
 - **Louise Serpell**, University of Sussex January – May 2015
De novo peptide design & characterization
 - **Rüdiger Ettrich**, Czech Academy of Sciences June – December 2014
Computational enzyme structure determination
 - **Megan McClean**, Princeton University June – August 2013
Transcriptomics of *Saccharomyces cerevisiae* respiration cycle

PEER-REVIEWED PUBLICATIONS

- 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>.

JOURNALISM & EDITING

Sole-authored unless otherwise noted. In electronic versions of this CV, titles of works available online are links

Forthcoming:

- "Weather Cycles Boost Wind Farms." *Princeton Alumni Weekly*, future issue
- "The Science Journalism We Need." *Science for the People*, Vol. 22 No. 2, *The Science We Need* (Fall 2019)
- "The Link Between Nature and Nurture in Teen Smoking." *Princeton Alumni Weekly*, future issue

2020:

- "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
- "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

JOURNALISM (CONTINUED)

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
- "Love Still Trumps Hate." *The Tech* (op-ed), November 10, 2016
- "'Superaging': How Some 80-Year-Olds' Memories Are as Sharp as 20-Year-Olds'." *NOVA Next*, October 24, 2016

INVITED TALK

- McIntosh, B. A., 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, Czech Republic

NON-DEGREE COURSEWORK

- STS.414 "Risk, Fortune, and Futurity"** Spring 2019
Visiting student in graduate seminar at MIT with Caley Horan and Will Deringer
- STS.462 "Societal and Political Implications of Technology"** Spring 2018
Visiting student in graduate seminar at MIT with Merritt Roe Smith

FELLOWSHIP OFFERS

- Fulbright Award** (declined) 2016
One-year fellowship studying biomimetic conductors with Ingemar André, Lund University, Sweden
- High Meadows Fellowship** (declined) 2016
Two-year Research and Communications Fellowship, Climate Central, Princeton, NJ

SERVICE & ORGANIZING

- Steering Committee Member** February 2019 – present
Science for the People
- Coordinated \$30,000 subscription drive to return *Science for the People* Magazine to print after 30-year hiatus