

# Lauren A. Koenig

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## Education

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**Doctor of Philosophy**, Integrative Biology, Michigan State University, Lansing, MI (*Pending Fall 2021*)

**Bachelor of Arts**, *cum laude*, Ecology, Evolution & Organismal Biology, Vanderbilt University, Nashville, TN, May 2012

## Science Communication

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**Fact Checker**, Discover Magazine Mar. 2021–Present

- Confirm accuracy of articles to be published online and in-print
- Contact sources for informational interviews

**Editor-in-Chief, The Scientista Foundation** Nov. 2015–Present

- Manage ten editorial staff members and 40 bloggers; provide content for online magazine and social media channels (10k+ followers) covering scientific research, interviews, and career tips for college and professional women in the sciences
- Founded a 6-month blogging internship that paired volunteers with mentors to develop a writing portfolio
- Partnered with CuSTEMized to create a children's book, "*Z is for Zoologist*"
- Facilitator at annual national symposium, matching student attendees with panelists for informational meetings and professional opportunities

**Freelance Writer** Nov. 2015–Present

- Research and create original science topic articles geared towards a general audience
- Published pieces for *The Conversation*, *Discover magazine*, and *Tembler*

**Graduate Teaching Assistant**, Michigan State University, East Lansing, MI Aug. 2016–May 2018

- Taught general biology, writing, proofreading, and statistics for 240+ non-science major students
- Designed and provided lectures and labs to promote scientific literacy through biology focused case studies
- Developed assessment tools to evaluate and improve students' critical thinking skills
- Served as an evaluator for the Undergraduate Research & Arts Forum and departmental colloquium co-chair

**Science Editor**, McLaughlin Neuroscience Lab, Vanderbilt University, Nashville TN Aug. 2009–May 2013

- Wrote, edited, and proofread research manuscripts, posters, and NSF and NIH grant applications
- Designed promotional materials on health awareness aimed at a lay audience

**Editorial Intern**, John Wiley & Sons, Inc., Hoboken, NJ Jun. 2011-Aug. 2011

- Edited manuscript text and images for the Science, Technical, Medical, and Scholarly Division and physical sciences department
- Worked with academic writers to facilitate manuscripts from proposal to publication stage
- Recruited academic experts in their field to contribute reviews and book proposals
- Assisted with various roles in marketing and copyright & permissions

**Staff Reporter**, *The Vanderbilt Hustler* student newspaper, Nashville, TN Aug. 2008–May 2012

- Wrote news articles and provided original photographs covering national and local events
- Developed a weekly column on environmental issues published online and in-print
- Attended the 2011 ACP/CMA National College Media Convention in Orlando, FL

**Private Writing and English Tutor**, Wyzant Tutoring, *Remote* Aug. 2008–Present

- Specialize in helping ESL university students to improve grammar, sentence structure, and word choice for submission of thesis, dissertation, and manuscript materials
- Edit college essays, scholarship applications, and cover letters

## Research Publications

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**Koenig, Lauren, & Gallant, Jason.** (2021). Sperm Competition, Sexual Selection, and The Diverse Reproductive Biology of Osteoglossiformes. *Journal of Fish Biology*. doi: 10.1111/jfb.14779.

## Research Experience

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**Wildlife Technician**, HDR Inc. Consulting, Westchester, NY Aug. 2015-Apr. 2016

- Worked with the New York Department of Environmental Protection to maintain drinking water quality of New York City reservoirs and achieve \$10 billion savings from filtration avoidance
- Employed avian behavior management and deterrent tactics (e.g. motorboats, pyrotechnics) to prevent water contamination

**Research Intern**, Page Lab, Smithsonian Tropical Research Institute, Gamboa, Panama Oct. 2014–Dec. 2014

- Collected and analyzed video and location data for population and behavioral studies of fringe-lipped bats
- Prepared grant applications and provided proofreading and editing for lab publications

**Ridgeway Rail Telemetry Intern**, U.S. Geological Survey, Vallejo, CA Sept. 2012–Jun. 2013

- Evaluated survival for an endangered marsh bird for conservation and climate change studies
- Provided educational public outreach for residents at field sites

**Project Director**, Rocky Mountain Biological Laboratory, Gothic, Colorado Jun. 2012–Sept. 2014

- Conducted summer research evaluating correlations between variability in small mammal reproductive timing and environmental cues affected by climate change
- Submitted research proposals, reports, and presentations to research committees
- Organized public outreach and fundraising activities and raised \$200,000+ from tour donations
- Delivered lectures and demonstrations and contributed written and photographic material to lab publications

## Honors & Research Grants

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Michigan State University Dissertation Completion Fellowship - \$10,000	2021
Michigan State University Dissertation Continuation Fellowship - \$7,500	2021
Michigan State University Summer Fellowship - \$2,100	2020
Dr. Marvin Hensley Award Endowed Scholarship in Zoology - \$8,900	2019
Michigan State University Travel Grants to conduct fieldwork in Gabon - \$1,200	2019
Michigan State University Travel Grants to attend Congress of Neuroethology - \$3,050	2018
<i>Nature</i> <a href="#">#Scientistatwork</a> Photo Contest Runner-Up	2018
National Science Foundation Graduate Research Fellowship - \$170,000+	2017
Ford Foundation Predoctoral Fellowship Honorable Mention	2017
John R. Shaver Graduate Student Award - \$1,150	2017
Michigan State University Early Start Fellowship - \$6,000	2016
Vanderbilt University Global Summer Fellows Award - \$7,200	2011

## Technical Skills

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- Computer: Microsoft Office, Adobe Photoshop, Adobe Lightroom, Trello, R, SPSS, typing 150+ wpm
- Digital and film photography
- Wilderness First Aid Certification (2019)