

Shraddha Lall

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Science writer and evolutionary biologist with expertise in science communication, pedagogy, and public engagement.

Education

Ph.D., Organismic & Evolutionary Biology — Harvard University	2025
B.S. - M.S., Biology — Indian Institute of Science Education & Research (IISER), Pune	2019

Experience

Editorial Fellow, Science & Technology Desk — The Conversation U.S. **June – August 2025**

- As a **AAAS Mass Media Science & Engineering Fellow**, pitched, commissioned and edited expert submissions covering emerging research and evergreen topics in science, technology and the environment.
- Partnered with academic researchers to communicate complex research findings and insights to a general audience.
- Collaborated with editors across desks on articles and on The Conversation U.S.'s weekly *Science Editors' Picks* newsletter, featuring pieces I commissioned as lead stories.
- Reached over 200,000 readers across 10+ pieces, several republished by other outlets including *The Philadelphia Inquirer*.

Selected articles edited are available at my [AAAS Mass Media Fellow Page](#).

Doctoral Researcher — de Bivort Lab, Harvard University **2019 – 2025**

- Designed and led a multi-year evolution experiment integrating behavioral, neurobiological, and genomic approaches, and collaborated with researchers within and across institutions.
- Analyzed complex datasets, creating clear, engaging representations of experimental findings through data visualization and statistical modeling.
- Mentored trainees from high school through graduate levels, many of whom have gone on to pursue advanced degrees or research careers.
- Published findings in academic journals including *G3* and was featured on the Genetics Society of America's podcast, *Genetics in Your World*, discussing one of my publications.
- Presented research at several national conferences and delivered a public talk for general audiences.

Teaching Fellow — Harvard University **2020 – 2025**

- Taught five courses ranging from introductory undergraduate classes to advanced graduate seminars, focusing on the biological sciences and interdisciplinary topics such as the history and communication of evolutionary biology.
- Completed pedagogical training workshops through the Derek Bok Center for Teaching & Learning.
- Designed and graded assignments, led small-group discussions and facilitated museum specimen-focused lab sessions across multiple courses.
- Guided students in translating complex scientific ideas into clear technical writing, accessible non-technical writing, and multimodal creative projects.
- Received consistently strong student evaluations citing clarity, engagement, and innovative teaching approaches, with several students later pursuing advanced degrees in related fields.

Science Education Partner — Harvard Museums of Science & Culture **Spring 2025**

- Completed science communication workshops and trainings, including peer review of communication strategies for public engagement.
- Delivered a public talk on the evolution of animal personality, engaging diverse audiences and fostering public interest in science.
- Developed and led interactive museum demonstrations highlighting my research and experimental methods, adapting explanations for audiences ranging from young children to older adults.

Awards & Fellowships

AAAS Mass Media Science & Engineering Fellowship (**2025**); Derek Bok Center Teaching Certificate (**2025**); Student Recognition of Teaching Certificate (**2022**)

Skills

Writing & Editing: Scientific & non-technical writing, fact-checking, CMS publishing, AP Style Guide

Research: Experimental design, data analysis, statistical modeling, version control (GitHub)

Creative Tools: Adobe Creative Suite (Illustrator, Photoshop, Lightroom), Procreate, photography, illustration

Coding: R, Python, MATLAB