

# Nora Bradford

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🌐 <http://norabradford.com>

## Education

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- 2020 – Present     **Ph.D. Cognitive Sciences, University of California, Irvine**  
**M.S. Cognitive Neuroscience, University of California, Irvine**  
Advisor: *Dr. Megan Peters*
- 2015 – 2019     **B.S. Neuroscience, B.A. Psychology, B.A. Philosophy, University of Chicago**  
Advisor: *Dr. Lesley Kay*

## Experience

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- 2024     **Graduate Writing Consultant**, Writing Center, UC Irvine.  
*-Meet with graduate students one-on-one to discuss job application materials, grant applications, and manuscripts*  
*-Organize and host weekly writing groups for graduate students*
- Graduate Student Researcher**, Cognitive and Neural Computation Lab, UC Irvine, Dr. Megan Peters.  
*-Analyze secondary datasets from online learning tools*  
*-Develop, code, and conduct online experiments on perceptual metacognition*
- 2023     **Science Writer**, Freelance.  
*- Write stories for Scientific American, Science News, Discover, Spectrum, and Quanta Magazine*  
*- Serve as assistant writer on new PBS Terra series Hungry Planet*
- Data Science Intern**, McGraw Hill Plus.  
*- Analyze data from online math learning tools to explore predictive validity both within and between products*  
*- Create data summaries to inform assessment recommendations for students*
- 2022     **Summer Science Writer**, Marine Biological Laboratory, Woods Hole, MA.  
*-Interview scientists and attend research seminars to find budding science stories*  
*- Write and edit feature stories, press releases, and Q and As for the MBL website*
- Science Writing and Communications Intern**, The Broad Institute, MIT & Harvard.  
*-Research, report, and write news stories, Q and As, blog posts, and other content for the Broad website*  
*- Collaborate with designers and other team members to create infographics and videos*

## Selected Accolades

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- 2024     **Graduate Dean's Dissertation Fellowship**, Graduate Division, UCI.  
**AAAS Graduate Travel Fellowship**, National Association of Science Writers.  
**WAC + WID Graduate Scholar**, UC Irvine Writing Center.
- 2023     **Science Journalism Workshop Acceptance**, Institute for Advanced Study, Princeton, NJ.
- 2022     **Professional Development Award**, DECADE.  
**Norman Weinberger Award**, UCI Center for the Neurobiology of Learning and Memory.

## Selected Accolades (continued)

- ◇ **Inclusive Excellence Award**, UCI Graduate Division.
- 2021 ◇ **NASW Travel Fellowship**, Council for the Advancement of Science Writing.
- ◇ **Award for Public Writing**, UCI School of Social Sciences.
- ◇ **Graduate Innovation Fellowship**, UCI Beall Applied Innovation.
- 2020-21 ◇ **Science Communication Fellowship**, Loh Down On Science Podcast, NPR.

## Research

### Symposia, Workshops, and Invited Talks

- 1 Association for the Scientific Study of Consciousness, *Funding and Sharing Consciousness Science*, Tokyo, Jul. 2024.
- 2 National Science Policy Network, *Kickstarting a SciCom Career*, May 2024.
- 3 SoundMind Collaboratory at Northeastern University, *Science Communication Workshop*, Jul. 2024.
- 4 Undergraduate Research Opportunities Program, *Crafting an Abstract*, Apr. 2024.
- 5 Association for the Scientific Study of Consciousness, *Communicating Consciousness Science to Funders and the General Public*, New York, NY, Jun. 2023.
- 6 Science Writers meeting, *ComSciCon-SciWri Workshop*, Memphis, TN, 2022.

### Publications and Conference Proceedings

- 1 L. Montgomery, **N. Bradford**, and M. Lee, "The wisdom of the crowd with partial rankings," *Behavior Research Methods*, 2024.
- 2 **N. Bradford**, A. Shen, B. Odegaard, and M. A. K. Peters, "Aligning consciousness science and u. s. funding agency priorities," *Nature Communications Biology*, 2024.
- 3 **N. Bradford**, Y. Xu, and R. Garg, "Transparency enhances positive perceptions of social artificial intelligence," *Human Behavior and Emerging Technologies*, 2023.
- 4 Y. Xu, D. Wang, M. Yu, D. Ritchie, B. Yao, T. Wu, Z. Zhang, T. Li, **N. Bradford**, B. Sun, T. Hoang, Y. Sang, Y. Hou, X. Ma, D. Yang, N. Peng, Z. Yu, and M. Warschauer, "Fantastic questions and where to find them: FairytaleQA— an authentic dataset for narrative comprehension," *Association for Computational Linguistics*, 2022.
- 5 G. Grasselli, H. Boele, H. Titley, **N. Bradford**, L. van Beers, L. Jay, C. De Zeeuw, M. Schonewille, and C. Hansel, "Learning deficit associated with a selective and cell-type specific impairment of intrinsic plasticity in cerebellar purkinje cells," *PLoS Biology*, 2020.

### Selected Talks

- 1 **N. Bradford** and M. Peters, *Metacognition and learning: Bridging the gap between the lab and the classroom*, Huntington Beach, CA, Apr. 2023.
- 2 **N. Bradford**, B. Maniscalco, and M. Peters, *Model-based approach for extracting performance-independent metacognitive sensitivity from meta-learning data*, New York, NY, Jun. 2023.
- 3 M. Lee, **N. Bradford**, and H. Tejada, *Using thurstonian ranking models to find the wisdom of the crowd*, Rovereto, Italy, Sep. 2022.
- 4 **N. Bradford** and M. Peters, *Effects of perceived numerosity on confidence*, Amsterdam, the Netherlands, Jul. 2022.

- 5 **N. Bradford** and M. Peters, *Investigating metacognitive sensitivity in online learning tool for undergraduates*, virtual, Dec. 2021.

## Selected Posters

- 1 **N. Bradford** and M. Peters, *Investigating the domain-generalty of metacognition among memory, perception, and intuitive reasoning*, Tokyo, Japan, Jul. 2024.
- 2 **N. Bradford** and M. Peters, *Metacognition and learning: Bridging the gap between the lab and the classroom*, Huntington Beach, CA, Apr. 2023.
- 3 **N. Bradford**, E. Tao, V. Nguyen, and L. Kay, *Testing piriform cortex inputs to granule cells as modulators of excitability leading to beta oscillations*, Chicago, IL, Apr. 2019.
- 4 **N. Bradford**, E. Tao, V. Nguyen, and L. Kay, *Testing piriform cortex inputs to granule cells as modulators of excitability leading to beta oscillations*, Chicago, IL, Nov. 2018.

## Selected Science Writing

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National Geographic	🔖	Pregnancy transforms the brain—and some changes last forever
Scientific American	🔖	Humans Can Spot Tiny Numerical Differences
	🔖	Octopuses Are Colorblind. Here's How They See the World
	🔖	Soft Robots Take Steps toward Independence
	🔖	How Octopus Arms Bypass the Brain
Quanta Magazine	🔖	What Your Brain Is Doing When You're Not Doing Anything
Science News	🔖	Stimulating spleens with ultrasound hints at a treatment for inflammation
	🔖	The classic map of how the human brain manages movement gets an update
	🔖	Scientists have now recorded brain waves from freely moving octopuses
Discover	🔖	Research on Psychedelics and How Mushrooms Can Help Combat Depression