

## Nora Bradford

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| EDUCATION  | University of California, Irvine<br>Ph.D., Cognitive Sciences<br>Concentration: Cognitive Neuroscience<br>Advisors: Dr. Megan Peters & Dr. Barbara Sarnecka   | 2020-present |
|            | University of Pennsylvania<br>Post-Baccalaureate Student  | 2019         |
|            | University of Chicago<br>B.S. Neuroscience, B.A. Psychology, B.A. Philosophy (with Honors & Dean's List)<br>Advisor: Dr. Leslie Kay<br>Thesis: Testing Piriform Cortex Inputs to Granule Cells as Modulators of Excitability Leading to Beta Oscillations | 2015-2019    |
| EXPERIENCE | Marine Biological Laboratory, Woods Hole, MA<br><i>Summer Science Writer</i>  | 2022         |
|            | The Broad Institute, MIT & Harvard<br><i>Science Writing and Communications Intern</i>  | 2022         |
|            | Digital Learning Lab, UC Irvine, Dr. Mark Warschauer<br><i>Graduate Student Researcher</i>  | 2021-22      |
|            | Communication Neuroscience Lab, UPenn, Dr. Emily Falk<br><i>Research Associate</i>  | 2020         |
|            | Developing Minds Lab, UPenn, Dr. Elizabeth Brannon<br><i>Lab Manager</i>  | 2019-20      |
| AWARDS     | DECADE Professional Development Award<br><i>For "graduate students and postdoctoral scholars who have actively contributed to inclusive excellence on campus"</i>   | 2022         |
|            | Norman Weinberger Award from the Center for the Neurobiology of Learning and Memory, UC Irvine<br><i>"...will support an exceptional graduate student that embodies Professor Weinberger's high standards for doctoral trainees"</i>                      | 2022         |
|            | Graduate Division Inclusive Excellence Award  | 2022         |
|            | Council for the Advancement of Science Writing Travel fellowship  | 2021         |
|            | School of Social Sciences Award for Public Writing  | 2021         |
|            | Graduate Innovation Fellowship, UCI Beall Applied Innovation<br><i>Marketing Communication - Marketing Science, Data Flow, and Results Interpretation track</i>   | 2021-22      |

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| Science Communication Fellowship, NPR<br><i>Loh Down On Science Podcast</i> | 2020, 2021 |
| Lawrence A. Kimpton Fellowship  | 2019       |
| BSCD-NSCI Summer Research Fellowship  | 2018       |
| Admissions Outreach Metcalf Fellowship                                      | 2017       |

**PUBLICATIONS and CONFERENCE PROCEEDINGS** [in progress] **Bradford N.**, Xu, Y. (2022) Transparent Design Enhances People's Positive Perceptions of Social Chatbots

Xu, Y., Wang, D., Yu, M., Ritchie, D., Yao, B., Wu, T., Zhang, Z., Li, T., **Bradford N.**, Sun, B., Hoang, T., Sang, Y., Hou, Y., Ma, X., Yang, D., Peng, N., Yu, Z., Warschauer, M. (2022). Fantastic questions and where to find them: FairytaleQA—An authentic dataset for narrative comprehension. *Association for Computational Linguistics*

Grasselli G., Boele H.J., Titley H., **Bradford N.**, van Beers L., Jay L., De Zeeuw C.I., Schonewille M., Hansel C. Learning deficit associated with a selective and cell-type specific impairment of intrinsic plasticity in cerebellar Purkinje cells. *PLoS Biology*

## TALKS

Lee, M. (presenter), **Bradford N.**, Tejeda, H. Using Thurstonian ranking models to find the wisdom of the crowd, European Mathematical Psychology Group Meeting, Rovereto, Italy (September 5-7, 2022)

**Bradford N.**, Peters, M. Effects of Perceived Numerosity on Confidence, Association for the Scientific Study of Consciousness Annual Meeting, Amsterdam, the Netherlands (July 12-14, 2022)

**Bradford N.**, Peters, M. Investigating Metacognitive Sensitivity in Online Learning Tool for Undergraduates, Neuromatch Conference, virtual (Dec 1-2, 2021)

Richier C. (presenter), Shahshahani, L., **Bradford N.**, Momi, D. Using Functional Connectivity to Predict Working Memory Performance in the Human Connectome Project, Neuromatch Conference, virtual (Nov 14, 2020)

Grasselli, G. (presenter), Boele, H.J., Titley, H., **Bradford N.**, van Beers, L., Jay, L., De Zeeuw, C.I., Schonewille, M., Hansel, C. Learning deficit associated with a selective and cell-type specific impairment of intrinsic plasticity in cerebellar Purkinje cells, Society for Neuroscience (SfN) annual meeting, San Diego, CA, USA, (Nov 2018)

## POSTERS

**Bradford N.**, Tao E., Nguyen V., Kay L. Testing Piriform Cortex inputs to Granule Cells as Modulators of Excitability leading to Beta Oscillations, Midwestern Psychological Association Annual Meeting, Chicago, IL (April 11-13, 2019)

**Bradford N.**, Tao E., Nguyen V., Kay L. Testing Piriform Cortex inputs to Granule Cells as Modulators of Excitability leading to Beta Oscillations. Midstates Consortium for Math and Science Undergraduate Research Symposium on Biological Sciences and Psychology. Chicago, IL (November 2018)

**Bradford N.**, Tao E., Nguyen V., Kay L. Testing Piriform Cortex inputs to Granule Cells as Modulators of Excitability leading to Beta Oscillations. 5th Annual Univer-

sity of Chicago Undergraduate Research Symposium. Chicago, IL (October 2018)

Bailey L., **Bradford N.**, Chigier S., Gustafson J., Iyer H., Liapin M., Sherrin M., Zhan B., Rokous J. Molecular Locomotion: Modeling the Functional Domains of E1 Helicase to Assess the Asymmetric Rotary Model of E1 Helicase. American Society for Biochemistry and Molecular Biology, Boston, MA, (March 2015)

**Bradford N.**, Cho Y.J., Bailey L., Gustafson J., Huang T., Iyer H., Lu H., Magliochetti-Cammarata T., Nee W., Park J., Park J.Y., Sherrin M., Sugarman E., Tejeda J., Zhan B., Rokous J. Using a Chimera to Study the Role of Galectin-1 in Immunological Responses and Tumor Progression. American Society for Biochemistry and Molecular Biology, San Diego, CA (March 2014)

Bang J., **Bradford N.**, Harrold E., Huang T., Lu H., Magliochetti-Cammarata T., Nee W., O'Dea C., Park J., Robinson I., Rokous J., Sugarman E., Tejeda J., Yan V., Rokous J. SMARTer design of a novel structure-based ADAM8 inhibitor to combat pancreatic cancer. American Society for Biochemistry and Molecular Biology, Boston, MA (March 2013)

**WRITING FOR  
GENERAL  
PUBLIC**

Bradford, N. (2022, September 16). Auditory cortex may develop early in autism. In *Spectrum*. [Link](#)

Bradford, N. (2022, August 29). On the Go: MBL Nikon Fellow Studies Why Nuclei Move – and How. In *Marine Biological Laboratory*. [Link](#)

Bradford, N. (2022, August 18). Opening the Black Box of Late Neurodevelopment. In *Marine Biological Laboratory*. [Link](#)

Bradford, N. (2022, August 18). Telling Time: Eel Pond's Striped Bass Help MBL Scientists Characterize Biological Rhythms. In *Marine Biological Laboratory*. [Link](#)

Bradford, N. (2022, August 5). What Can Frogs Tell Us About Childhood Adversity? Whitman Fellow Sally Seraphin Explores. In *Marine Biological Laboratory*. [Link](#)

Bradford, N. (2022, July 22). Cellular Collaboration: Whitman Fellow Shines Light on Unique Symbiosis. In *Marine Biological Laboratory*. [Link](#)

Bradford, N. (2022, July 7). Live Fast, Die Young: Grass Fellow Explores Octopus's Death Spiral. In *Marine Biological Laboratory*. [Link](#)

Bradford, N. (2022, July 7). That's Your Stomach Talking: Grass Fellow Studies Gut-Brain Link. In *Marine Biological Laboratory*. [Link](#)

Bradford, N. (2022, June 28). The Evolution of Evo-Devo. In *Marine Biological Laboratory*. [Link](#)

Bradford, N. (2022, May 3). #WhyIScience Q&A: Meet a research associate with a passion for perfecting research methods. In *Broad Institute of MIT and Harvard*. [Link](#)

Bradford, N. (2022, May 2). Repeated urinary tract infections may stem from a disrupted microbiome. In *Broad Institute of MIT and Harvard*. [Link](#)

Bradford, N. (2022, April 19). Study finds new patterns of antibiotic resistance spread

in hospitals. In *Broad Institute of MIT and Harvard*. [Link](#)

Bradford, N. (2022, March 21). #WhyIScience Q&A: An aspiring physician-scientist investigates health through the eye . In *Broad Institute of MIT and Harvard*. [Link](#)

Bradford, N. (2022, March 21). Making 100,000 whole genome sequences available. In *Broad Institute of MIT and Harvard*. [Link](#)

Bradford, N. (2022, February 22). Population-based study reveals strong genetic links with multiple cardiometabolic diseases and traits. In *Broad Institute of MIT and Harvard*. [Link](#)

Bradford, N. (2022, February 3). Researchers identify new target for treatment of aggressive childhood brain tumors. In *Broad Institute of MIT and Harvard*. [Link](#)

Bradford, N. (2022, February 2). #WhyIScience Q&A: A computer scientist builds data-protection tools and is raising awareness about cybersecurity. In *Broad Institute of MIT and Harvard*. [Link](#)

Bradford, N. (2021, November 22). Finding research inspiration in life experience. In *UCI Social Science News*. [Link](#)

Bradford, N. (2021, November 22). Bee Building Blocks [Audio podcast episode]. In *Loh Down On Science*. NPR. [Link](#)

Bradford, N. (2021, November 15). Ad-itude [Audio podcast episode]. In *Loh Down On Science*. NPR. [Link](#)

Bradford, N. (2021, October 20). Woodland Growth [Audio podcast episode]. In *Loh Down On Science*. NPR. [Link](#)

Bradford, N. (2021, October 19). Novel brain research could feed misplaced sci-fi worries for the public. In *CASW New Horizons Newsroom 2021*. [Link](#)

Bradford, N. (2021, October 19). The changing landscape of science filmmaking. In *NASW News*. [Link](#)

Bradford, N. (2021, October 15). Research in Action. In *UCI Social Science News*. [Link](#)

Bradford, N. (2021, October 5). Time Flies When You're in Lockdown. In *NASW Student Newsroom*. [Link](#)

Bradford, N. (2021, October 5). Three Thumbs Up [Audio podcast episode]. In *Loh Down On Science*. NPR. [Link](#)

Bradford, N. (2021, October 5). UC Irvine researchers hope that teaching computing language to kids will help level the playing field. OC Registrar. [Link](#)

Bradford, N. (2021, July 21). Speedy Sponges [Audio podcast episode]. In *Loh Down On Science*. NPR. [Link](#)

Bradford, N. (2021, June 29). Slimey Memories [Audio podcast episode]. In *Loh Down On Science*. NPR. [Link](#)

Bradford, N. (2021, June 17). Fighting for fair housing. In *UCI Social Science News*. [Link](#)

Bradford, N. (2021, June 11). Future Thinking [Audio podcast episode]. In *Loh Down On Science*. NPR. [Link](#)

Bradford, N. (2021, May 11). Current Events [Audio podcast episode]. In *Loh Down On Science*. NPR. [Link](#)

Bradford, N. (2021, April 28). Sooner or Later [Audio podcast episode]. In *Loh Down On Science*. NPR. [Link](#)

Bradford, N. (2021, April 22). Fractal Beauty [Audio podcast episode]. In *Loh Down On Science*. NPR. [Link](#)

Bradford, N. (2021, March 28). How local surfers can help scientists with ocean restoration. LA Daily News. [Link](#)

Bradford, N. (2021, March 28). Be a friend to Earth, save a fungus. LA Daily News. [Link](#)

Bradford, N. (2021, March 23). Cellular Time Travel [Audio podcast episode]. In *Loh Down On Science*. NPR. [Link](#)

Bradford, N. (2021, February 25). Suction Saves The Day [Audio podcast episode]. In *Loh Down On Science*. NPR. [Link](#)

Bradford, N. (2021, February 1). SapQuest [Audio podcast episode]. In *Loh Down On Science*. NPR. [Link](#)

## TEACHING

Psych 7A Introduction to Psychology  
*Teaching Assistant* March 2021 - June 2021

Psych 140L Principles of Learning Theory  
*Teaching Assistant* January 2021 - March 2021

Psych 169 Consciousness and the Brain  
*Teaching Assistant* September 2020 - December 2020

## PROFESSIONAL SERVICE

Diverse Educational Community and Doctoral Experience (DECADE)  
*Department Representative* 2021-present

NEURO Club, UChicago  
*President* 2016-2019

Society for Neuroscience Undergraduates in Chicago  
*Board Member* 2018-2019

Admissions Outreach Office, UChicago  
*Outreach Intern Coordinator* 2016-2019

Elucidations Philosophy Podcast  
*Intern* 2017-2019

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| <b>COMMUNITY<br/>SERVICE</b> | Minority Mentorship Program, Governor's Academy<br><i>Organizer</i>                            | 2020-present |
|                              | Farmers Market, The Food Trust<br><i>Part-time Market Associate</i>                            | 2019-present |
|                              | NEURO Mentorship Program<br><i>Founder and Mentor</i>  | 2018-2019    |
|                              | Women in Science Mentorship Program<br><i>Mentor</i>   | 2018-2019    |
|                              | Phoenix Biology Mentorship Program<br><i>Mentor</i>  | 2017-2018    |
|                              | Maroon Tutor Match<br><i>Tutor</i>   | 2017-2018    |
| <b>OTHER<br/>TRAINING</b>    | ComSciCon-SciWri Workshop<br><i>Science Writers 2021 Conference</i>                            | 2021         |
|                              | Mentoring Excellence Program, UCI Graduate Division<br><i>Mentoring Excellence Certificate</i> | 2021         |
|                              | Knight Science Journalism @ MIT<br><i>Fact-Checking Workshop Certificate</i>                   | 2021         |
|                              | UCI as a Minority Thriving University<br><i>Inclusive Excellence Certificate</i>               | 2021         |
|                              | Interactive Student, Computational Neuroscience Course<br><i>Neuromatch Academy</i>            | 2020         |
|                              | MRI Technician Level II Training<br><i>University of Pennsylvania</i>                          | 2019         |