

## Nora Bradford

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EDUCATION	University of California, Irvine Ph.D., Cognitive Sciences Concentration: Cognitive Neuroscience Advisors: Dr. Megan Peters & Dr. Barbara Sarnecka	2020-present
	University of Pennsylvania Post-Baccalaureate Student	2019
	University of Chicago B.S. Neuroscience, B.A. Psychology, B.A. Philosophy (with Honors & Dean's List) Advisor: Dr. Leslie Kay Thesis: Testing Piriform Cortex Inputs to Granule Cells as Modulators of Excitability Leading to Beta Oscillations	2015-2019
EXPERIENCE	The Broad Institute, MIT & Harvard <i>Science Writing and Communications Intern</i>	2022
	Digital Learning Lab, UC Irvine, Dr. Mark Warschauer <i>Graduate Student Researcher</i>	2021
	Communication Neuroscience Lab, UPenn, Dr. Emily Falk <i>Research Associate</i>	2020
	Developing Minds Lab, UPenn, Dr. Elizabeth Brannon <i>Lab Manager</i>	2019-2020
AWARDS	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 <i>Marketing Communication - Marketing Science, Data Flow, and Results Interpretation track</i>	2021-2022
	Science Communication Fellowship, NPR <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
JOURNAL PUBLICATIONS	Grasselli G., Boele H.J., Titley H., <b>Bradford N.</b> , 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*)

## POSTERS

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

**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)

Grasselli G (presenter), Boele HJ, Titley H, **Bradford N.**, van Beers L, Jay L, De Zeeuw CI, 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 2018, San Diego (CA, USA), (Nov 3-7) (oral presentation)

**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 University 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, Apr 19). Study finds new patterns of antibiotic resistance spread in hospitals. In *Broad Institute of MIT and Harvard*. [Link](#)

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

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

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

Bradford, N. (2022, Feb 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, Nov 22). Finding research inspiration in life experience. In *UCI Social Science News*. [Link](#)

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

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

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

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

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

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

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

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

Bradford, N. (2021, Oct 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](#)

<b>TEACHING</b>	Psych 7A Introduction to Psychology <i>Teaching Assistant</i>	March 2021 - June 2021
	Psych 140L Principles of Learning Theory <i>Teaching Assistant</i>	January 2021 - March 2021
	Psych 169 Consciousness and the Brain <i>Teaching Assistant</i>	September 2020 - December 2020
<b>PROFESSIONAL SERVICE</b>	Diverse Educational Community and Doctoral Experience (DECADE) <i>Department Representative</i>	2021-present
	NEURO Club, UChicago <i>President</i>	2016-2019
	Society for Neuroscience Undergraduates in Chicago <i>Board Member</i>	2018-2019
	Admissions Outreach Office, UChicago <i>Outreach Intern Coordinator</i>	2016-2019
	Elucidations Philosophy Podcast <i>Intern</i>	2017-2019
<b>COMMUNITY SERVICE</b>	Minority Mentorship Program, Governor's Academy <i>Organizer</i>	2020-present
	Farmers Market, The Food Trust <i>Part-time Market Associate</i>	2019-present
	NEURO Mentorship Program <i>Founder and Mentor</i>	2018-2019

	Women in Science Mentorship Program <i>Mentor</i>	2018-2019
	Phoenix Biology Mentorship Program <i>Mentor</i>	2017-2018
	Maroon Tutor Match <i>Tutor</i>	2017-2018
<b>OTHER TRAINING</b>	ComSciCon-SciWri Workshop <i>Science Writers 2021 Conference</i>	2021
	Mentoring Excellence Program, UCI Graduate Division <i>Mentoring Excellence Certificate</i>	2021
	Knight Science Journalism @ MIT <i>Fact-Checking Workshop Certificate</i>	2021
	UCI as a Minority Thriving University <i>Inclusive Excellence Certificate</i>	2021
	Interactive Student, Computational Neuroscience Course <i>Neuromatch Academy</i>	2020
	MRI Technician Level II Training <i>University of Pennsylvania</i>	2019