William J. Giardino, PhD
Assistant Professor
Department of Psychiatry and Behavioral Sciences
Wu Tsai Neurosciences Institute
Stanford University School of Medicine
willgiar@stanford.edu Giardino Laboratory

EDUCATION, TRAINING, EMPLOYMENT

Dates	Institution	Degree/Position	Department (Field)
02/2021-present	Stanford University	Assistant Professor	Psychiatry (Neuroscience)
10/2013-01/2021	Stanford University	Postdoc/Instructor	Psychiatry (Neuroscience)
06/2008-09/2013	Oregon Health & Sci. University	Ph.D.	Behavioral Neuroscience
09/2004-06/2008	University of Washington	B.Sc.	Psychology (Pharmacology)

CURRENT GRANT FUNDING
10/2026-09/2028: Stanford Bio-X Seed Grant (PI: Giardino, Co-PIs: Airan, Fame, Gibson)
09/2026-08/2028: NIH/NIA R03 AG092563 (PI: McNerney, Co-I: Giardino)
05/2026-03/2031: NIH/NIAAA R01 AA032549 (PI: Giardino)
05/2026-04/2027: Stanford Neuroscience Preclinical Imaging Laboratory, Pilot Grant (PI: Giardino)
12/2025-03/2028: Stanford Alzheimer's Disease Research Center, Developmental Pilot Grant (PI: Giardino)
09/2025-08/2027: NIH/NIA R21 AG091223 (PI: McNerney, Co-I: Giardino)
06/2025-05/2027: Taube Youth Addiction Initiative (PI: Giardino)

PENDING GRANT FUNDING
2027-2032: NIH/NIMH R01 MH145420 (PI: Giardino), Impact Score: 44, re-submission Feb 2027
2027-2029: NIH/NIAAA R21 AA033119 (PI: Giardino) Impact Score: 28
2027-2031: VA MERIT I01 RD004219 (PI: Giardino), review December 2026

COMPLETED GRANT FUNDING
01/2025-12/2025: Stanford Women's Health and Sex Diversity in Medicine Seed Grant (PI: Giardino)
11/2024-10/2025: Escher Fund for Autism Research Grant (Co-PIs: Giardino, Urban)
08/2023-07/2025: Stanford OFDD McCormick and Gabilan Award (PI: Giardino)
06/2023-05/2025: Brain Research Foundation Seed Grant (BRFSG-2023-02; PI: Giardino)
06/2022-05/2025: Whitehall Foundation Research Grant (2022-05-99; PI: Giardino)
09/2022-05/2024: NIH/NIAAA Research Supplement to Promote Diversity in Health-Related Research
06/2021-05/2024: NIH/NIAAA R00 Pathway to Independence Award (R00 AA025677; PI: Giardino)
02/2023-01/2024: Stanford Center for Sleep and Circadian Sciences (CSCS seed grant; PI: Giardino)
02/2023-01/2024: Stanford Clinical and Translational Science Award (SPECTRUM pilot; PI: Giardino)
01/2022-12/2022: Stanford Women's Health and Sex Differences in Medicine Seed Grant (PI: Giardino)
09/2020-08/2022: Stanford Department of Psychiatry & Behavioral Sciences Innovator Grant (PI: Giardino)
09/2018-01/2021: NIH/NIAAA K99 Pathway to Independence Award (K99 AA025677; PI: Giardino)
12/2013-11/2016: NIH/NIAAA Postdoctoral Individual NRSA Fellowship (F32 AA022832; PI: Giardino)
12/2011-05/2013: NIH/NIAAA Predoctoral Individual NRSA Fellowship (F31 AA021023; PI: Giardino)

PUBLICATIONS (as First, Last, and/or Corresponding Author)
Morningstar AR, Ledbury OSR, Yu AC, Sardar H, Rogers ET, Kandil IF, Fajardo RN, Benabou ME, Hoang IB, **Giardino WJ***. Early life stress modulates behavioral sensitivity to alcohol and promotes escalation of alcohol drinking. In press, *Translational Psychiatry*. Nov 2026. *Corresponding author.

Bush BJ, Fite ZA, **Giardino WJ***. Sleep and Social Behavior: Neural interactions of sleep regulation and social dominance. In press, *Sleep Advances*. Nov 2026. *Corresponding author.

Kandil IF[#], Rogers ET[#], Morningstar AR, **Giardino WJ***. A Distinct Subpopulation of Extended Amygdala Neurons Drives Food Intake. *Biological Psychiatry Global Open Science.* 2026 Apr 24;6(4): 100744. [#]Co-first authors. *Corresponding author.

Ma Y, Sardar H, Benabou ME, Yu AC, Morningstar AR, Fajardo RN, Kandil IF, Rogers ET, Vassalli A, Kauer JA, **Giardino WJ***. Sex-Specific Effects of Hypocretin Receptor Signaling in Corticotropin-Releasing Factor Neurons on Alcohol Drinking, Anxiety, and Extended Amygdala Neuronal Excitability. *Biological Psychiatry Global Open Science.* 2025 Sep 20;6(1): 100617. *Corresponding author.

Dhungana A, McCalley DM, Heath AM, Kraybill EP, Mojabi FS, Morales JM, Morningstar AR, Davis AK, Padula CB, **Giardino WJ***, McNerney MW*. Developing a reverse translational model of low-intensity rTMS in alcohol use disorder: The influence of theta burst stimulation protocols on binge alcohol drinking in mice. *Transcranial Magnetic Stimulation*. 2025 Aug; 4:100098. *Co-corresponding authors.

Duncan LE, Li T, Salem M, Li W, Mortazavi L, Senturk H, Shargh N, Vesuna S, Shen H, Yoon J, Wang G, Ballon J, Tan L, Pruett BS, Knutson B, Deisseroth KA, **Giardino WJ**. Mapping the cellular etiology of schizophrenia and diverse brain phenotypes. *Nature Neuroscience*. 2025 Feb;28(2):248-258

Sardar H, Goldstein-Piekarski AN, **Giardino WJ*.** Amygdala neurocircuitry at the interface between emotional regulation and narcolepsy with cataplexy. *Front. in Neurosci*. 2023 Apr 21;17:1152594. *Corresponding author.

Ma Y, **Giardino WJ***. Neural circuit mechanisms of the cholecystokinin (CCK) neuropeptide system in addiction. *Addiction Neuroscience*. 2022 Sep;3:100024. *Corresponding author.

Pomrenze MB, Walker LC, **Giardino WJ***. Gray areas: Neuropeptide circuits linking the Edinger-Westphal and Dorsal Raphe nuclei in addiction. *Neuropharmacology*. 2021 Oct 15;198:108769. *Corresponding author.

Parrington BA, **Giardino WJ***. Zooming into the lab: Perspectives on maintaining undergraduate biological research through computationally-adapted remote learning in times of crisis. *Journal of Microbiology & Biology Education.* 2021 Mar 31;22(1):22.1.84. *Corresponding author.

Giardino WJ*, Pomrenze MB. Extended amygdala neuropeptide circuitry of emotional arousal: waking up on the wrong side of the bed nuclei of stria terminalis. *Frontiers in Behavioral Neuroscience*. 2021 Feb 9;15:613025. *Corresponding author.

Giardino WJ, Eban-Rothschild A, Christoffel DJ, Li S-B, Malenka RC, de Lecea L. Parallel circuits from the bed nuclei of stria terminalis to the lateral hypothalamus drive opposing emotional states. *Nature Neuroscience*. 2018 Aug;21(8):1084-1095

Giardino WJ, Rodriguez ED, Smith ML, Ford MM, Galili D, Mitchell SH, Chen A, Ryabinin AE. Control of chronic excessive alcohol drinking by genetic manipulation of the Edinger-Westphal nucleus urocortin-1 neuropeptide system. *Translational Psychiatry*. 2017 Jan 31;7(1):e1021

Ryabinin AE, **Giardino WJ**. Contribution of Urocortin to the development of excessive drinking. *International Review of Neurobiology*. 2017;136:275-291

Ryabinin AE, **Giardino WJ**. The Corticotropin Releasing Factor System and Alcohol Consumption. *Molecular Aspects of Alcohol and Nutrition*. 2016;201-212

Giardino WJ, de Lecea L. Resting easy with a novel sleep regulator. *eLife*. 2015 Dec 10;4. pii: e12093

Giardino WJ, de Lecea L. Hypocretin (orexin) neuromodulation of stress and reward pathways. *Current Opinion in Neurobiology.* 2014 Jul 19;29C:103-108

Giardino WJ, Ryabinin AE. CRF1 receptor signaling regulates food and fluid intake in the drinking-in-the-dark model of binge alcohol consumption. *Alcoholism: Clinical & Experimental Research.* 2013 Jul;37(7):1161-70

Giardino WJ, Cote DM, Li J, Ryabinin AE. Characterization of genetic differences within the centrally-projecting Edinger-Westphal nucleus of C57BL/6J and DBA/2J mice by expression profiling. *Frontiers in Neuroanatomy.* 2012;6(5)

Giardino WJ, Mark GP, Stenzel-Poore MP, Ryabinin AE. Dissociation of corticotropin-releasing factor receptor subtype involvement in sensitivity to locomotor effects of methamphetamine and cocaine. *Psychopharmacology*. 2012 Feb;219(4):1055-63

Giardino WJ, Ryabinin AE. Corticotropin-releasing factor: innocent until proven guilty. *Nature Reviews Neuroscience*. 2012 Jan;13(1):70

Giardino WJ, Cocking DL, Kaur S, Cunningham CL, Ryabinin AE. Urocortin-1 within the Centrally Projecting Edinger-Westphal Nucleus is Critical for Ethanol Preference. *PLoS One*. 2011;6(10):e26997

Giardino WJ, Pastor R, Anacker AMJ, Spangler E, Cote DM, Li J, Stenzel-Poore M, Phillips TJ, Ryabinin AE. Dissection of corticotropin-releasing factor system involvement in locomotor sensitivity to methamphetamine. *Genes, Brain, and Behavior.* 2011 Feb;10(1):78-89

PUBLICATIONS (as Co-Author)

Pearl AJ, Maddern XJ, Pinares-Garcia P, Ursich LT, Anversa RG, Shesham A, Brown RM, Reed FM, **Giardino WJ**, Lawrence AJ, Walker LC. Midbrain ghrelin receptor signalling regulates binge drinking in a sex specific manner. *Nature Communications*. 2025 Mar 15;16(1):2568

Angelakos CC, Girven KS, Liu Y, Gonzalez OC, Murphy KR, Jennings KJ, **Giardino WJ**, Zweifel LS, Suko A, Palmiter RD, Clark SD, Krasnow MA, Bruchas MR, de Lecea L. A cluster of neuropeptide S neurons regulates breathing and arousal. *Curr Biol*. 2023 Dec 18;33(24):5439-5455.e7

Kawai M, Schneider L, Linkovski O, Jordan JT, Karny R, Pirog S, Cotto I, **Giardino WJ**, O'Hara R. High-resolution spectral sleep analysis reveals a novel association between slow oscillations and memory retention in elderly adults. *Frontiers in Aging Neuroscience.* 2021 Jan 11;12:540424

Eban-Rothschild A, Borniger JC, Rothschild G, **Giardino WJ**, Morrow JG, de Lecea L. Arousal state dependent alterations in VTA-GABAergic neural activity. *eNeuro*. 2020 Mar 30;7(2)

Ho AL, Salib AN, Pendharkar AV, Sussman ES, **Giardino WJ**, Halpern CH. The Nucleus Accumbens and Alcoholism: A Target for Deep Brain Stimulation. *Neurosurg. Focus*. 2018 Aug;45(2):E12

Li S-B, Nevárez N, **Giardino WJ**, de Lecea L. Optical Probing of Orexin/Hypocretin Receptor Antagonists. *Sleep*. 2018 Oct 1;41(10):zsy141

Eban-Rothschild AD, **Giardino WJ**, de Lecea L. To sleep or not to sleep: neuronal and ecological insights. *Current Opinion in Neurobiology*. 2017 May 10;44:132-138

Li S-B, **Giardino WJ**, de Lecea L. Hypocretins and arousal. *Curr. Top. Behav. Neurosci.* 2017;33:93-104

Eban-Rothschild AD, Rothschild GD, **Giardino WJ**, Jones JR, de Lecea L. VTA dopaminergic neurons regulate ethologically relevant sleep-wake behaviors. *Nature Neuroscience.* 2016 Oct;19(10):1356-66

Schank JR, Ryabinin AE, **Giardino WJ**, Ciccocioppo R, Heilig M. Stress-related neuropeptides and addictive behaviors: beyond the usual suspects. *Neuron*. 2012 Oct;76(1):192-208

Ryabinin AE, Tsoory MM, Kozicz T, Thiele T, Neufeld-Cohen A, Chen A, Lowery-Gionta E, **Giardino WJ**, Kaur S. Urocortins: CRF's siblings and their potential role in anxiety, depression, and alcohol drinking behavior. *Alcohol*. 2012 Jun;46(4):349-57

Land BB, Bruchas MR, Schattauer S, **Giardino WJ**, Aita M, Messinger D, Hnasko TS, Palmiter RD, Chavkin C. Activation of the kappa opioid receptor in the dorsal raphé nucleus mediates the aversive effects of stress and reinstates drug seeking. *Proc. Natl. Acad. Sci. USA.* 2009 Nov 10;106(45):19168-73

SELECTED TALKS

2027 (scheduled) Winter Conference on Brain Research. Breckenridge, CO
2026 (scheduled) Northwestern University, Department of Psychiatry and Behavioral Sciences. Chicago, IL
(scheduled) University of Illinois - Chicago, Laboratory of Integrative Neuroscience. Chicago, IL
National Institutes of Health, NIEHS Neurobiology seminar. Durham, NC
Stanford University, Alzheimer's Disease Research Center. Stanford, CA
Santa Clara University, Neuroscience Research seminar. Santa Clara, CA
UCLA, Integrative Center for Addictions, Brain Research Institute. Los Angeles, CA
Winter Conference on Brain Research. Big Sky, MT
Oregon Health & Science University, Department of Behavioral Neuroscience. Portland, OR
2025 Research Society on Alcohol. New Orleans, LA
National Institutes of Health, NIDA IRP seminar. Baltimore, MD
California State University, BRAIN Alliance Seminar (virtual presentation)
Winter Conference on Brain Research. Olympic Valley, CA
2024 International Society for Biomedical Research on Alcohol. Melbourne, Australia
Hypothalamic Neuroscience and Appetitive Motivation Joint Symposia. Melbourne, Australia
Research Society on Alcohol. Minneapolis, MN
Columbia University, Center of Excellence for Sleep and Circadian Research (virtual presentation)
2023 European Brain and Behaviour Society. Amsterdam, Netherlands
College on Problems of Drug Dependence. Denver, CO
Alcoholism and Stress: A Framework for Future Treatment Strategies. Volterra, Italy
2022 Society for Neuroscience, Minisymposium (Chair). San Diego, CA
University of San Diego, Department of Psychological Sciences. San Diego, CA
2021 International Regulatory Peptides Society. (virtual presentation)
2020 Boston University, Department of Psychological & Brain Sciences. Boston, MA
University of California - Los Angeles, Department of Physiology. Los Angeles, CA
University of Minnesota, Medical Discovery Team on Addiction. Minneapolis, MN
Winter Conference on Brain Research. Big Sky, MT
2019 University of Maryland - Baltimore, Department of Pharmacology. Baltimore, MD
University of Illinois - Chicago, Department of Psychiatry & Center for Alcohol Research. Chicago, IL
University of California - Davis, Department of Psychology. Davis, CA
NIAAA/NIDA Frontiers in Addiction conference (SfN pre-meeting). Chicago, IL
Winter Conference on Brain Research. Snowmass, CO
Vanderbilt University, Vanderbilt Brain Institute. Nashville, TN
Einstein Medical College, Department of Psychiatry. New York City, NY
2018 The Scripps Research Institute, Department of Neuroscience. Jupiter, FL
University of Texas, Division of Pharmacology & Toxicology. Austin, TX
University of Alabama, Department of Neurobiology. Birmingham, AL
University of Illinois, School of Molecular and Cellular Biology. Champaign-Urbana, IL
Oregon Health & Sci. Univ., Dept. of Beh. Neurosci. retreat (alumni speaker). Cannon Beach, OR
Gordon Research Conference on Alcohol & the Nervous System. Galveston, TX
2016 Research Society on Alcoholism. New Orleans, LA
2015 International Behavioral and Neural Genetics Society. Uppsala, Sweden
2012 International Society for Biomedical Research on Alcoholism. Sapporo, Hokkaido, Japan
2011 Behavior, Biology and Chemistry: Translational Research in Addiction. San Antonio, TX
2010 International Behavioral and Neural Genetics Society. Halifax, Nova Scotia, Canada

SELECTED AWARDS & HONORS

2023 McCormick and Gabilan Faculty Award. Office of Faculty Diversity and Development. Stanford, CA
2020 Winter Conference on Brain Research, Travel Award. Big Sky, MT
2019 NIAAA/NIDA Frontiers in Addiction, Early Career Investigator Showcase Award. Chicago, IL

Gordon Research Conference on the Amygdala, Poster Presentation Award. Easton, MA
2018 American College of Neuropsychopharmacology (ACNP), Travel Award: Hollywood, FL
Gordon Research Seminar on Alcohol & Nervous System: Oral Presentation Award. Galveston, TX
2015 International Behavioral and Neural Genetics Society, Travel Award: Uppsala, Sweden
2014 Research Society on Alcoholism, Junior Investigator Award
2012 Intl. Soc. for Biomedical Research on Alcoholism, Young Investigator & Travel Awards: Sapporo, Japan
The Jackson Laboratory, Short Course on the Genetics of Addiction (scholarship funds)
2011 American Psychological Association, Dissertation Research Award
Cold Spring Harbor Laboratory, Cellular Biology of Addiction (scholarship funds)

CURRENT TRAINEES

Harita Udayashankar, BS, MS – Life Sciences Research Professional, 2026-
Current position: Research technician and lab manager, Giardino Lab, Stanford University
Eric Duan – Undergraduate researcher (VPUE), 2026-
Current position: Symbolic Systems BS expected 2029, Stanford University
Erin Kim – Undergraduate researcher (NeURO), 2025-
Current position: Human Biology BS expected 2028, Stanford University
Aniyah Shen – Undergraduate researcher (HB-REX, Bio-X USRP), 2025-
Current position: Human Biology BS Honors expected 2027, Stanford University
Ivy Hoang, BS, MS, PhD – Postdoc researcher (NIH/NIDA F32 NRSA, Stanford Propel Scholar), 2024-
Current position: Postdoctoral scholar, Giardino Lab, Stanford University
Brittany Bush, BS, MS, PhD – Postdoc researcher (HHMI Hanna Gray Fellow, Stanford Propel Scholar), 2023-
Current position: Postdoctoral scholar, Giardino Lab, Stanford University
Allison Morningstar, BS – Graduate student, Neurosciences IDP (NIH/NIAAA F31 NRSA), 2022-
Current position: Neurosciences PhD expected 2027, Stanford University

SELECTED FORMER TRAINEES

Malia Perez, BS, MS – Undergraduate and Master's student researcher (NeuroChoice Fellow), 2025-26
Current position: Neuroscience PhD student, University of North Carolina-Chapel Hill
Ethan Rogers, BS – Life Sciences Research Professional, 2023-26
Current position: PhD student, Matteo Rizzi Lab, University College London
Lucy Anderson, BS – Graduate rotation student (NSF GRFP), 2025
Current position: Neurosciences PhD student, Stanford University (Zuchero lab)
Yihe Ma, BS, PhD – Postdoc researcher (Giardino and Kauer labs), 2021-25
Current position: Business Development Manager, Biocytogen
Olivia Ledbury, BS – Undergraduate researcher (NeURO Fellowship, Biology Honors thesis), 2023-25
Current position: The Vancouver Clinic, Vancouver, WA
Angeline Yu, BS, MS – Undergraduate researcher (MCHRI DRIVE Fellowship), 2022-25
Current position: Associate Consultant, Putnam Associates
Max Benabou, BS – Undergraduate researcher (Intro Seminar Plus, Bio-X USRP Fellowship), 2022-25
Current position: MD expected 2030, University of Southern California
Riley Merkel, BS – Graduate rotation student, 2025
Current position: Neurosciences PhD student, Stanford University (Tawfik lab)
Faith Aloboudi, BS – Graduate rotation student, 2024
Current position: Neurosciences PhD student, Stanford University (Mitra lab)
Isaac Kandil, BS – Undergraduate researcher (Bio-X USRP, VPUE, and Biology Honors thesis), 2021-24
Current position: MD expected 2030, Cleveland Clinic
Nick Fajardo, BS – Undergraduate researcher (HB-REX & VPUE), 2022-23
Current position: MD expected 2029, Columbia University
Malia Belnap, BS – Post-baccalaureate researcher, 2021-22
Current position: Neuroscience PhD student, UCLA (Lara Ray lab)

Brianna Parrington, BS – Undergraduate researcher (SSRP), 2020
Current position: Molecular & Cellular Biology PhD student, University of California - Berkeley
Tasneem Sadok, BS – Undergraduate researcher, 2019
Current position: MD/PhD student, University of California - Los Angeles
Danny Hoang, BS, MD – Post-baccalaureate researcher, 2016-18
Current position: Psychiatry residency, UT-Austin
Neelima Valluru, BS – High school student researcher (AAR-Gunn), 2016-17
Current position: Masters student, Rudebeck Lab, Mt. Sinai School of Medicine
Crystal Liang, BS – Undergraduate researcher, 2016-17
Current position: MD expected 2027, University of California – San Diego
Natalia Rodriguez-Sosa, BS, PhD – Undergraduate researcher (SSRP), 2016
Current position: Postdoc researcher, University of Texas – Southwestern (Shabel lab)
Karen Malacon, BA, PhD – High school student researcher (SIMR), 2015
Current position: MD student, Stanford University
Danny Rodriguez, BS, MD – Undergraduate researcher, 2012-13
Current position: Resident physician in Pathology, UCLA

STUDY SECTION

2026 NIH - Molecular and Cellular Neuropharmacology (MCNP)
2026 NIH - Neuroscience Fellowships Special Emphasis Panel (F02B)
2025 VA - Neurobiology of Sleep and Circadian Rhythms (NURR)
2024 VA - Neurobiology of Sleep and Circadian Rhythms (NURR)
2024 ASF - Austrian Science Fund
2024 NIH - BRAIN Initiative Special Emphasis Panel (K99)
2024 NIH - Mechanistic Studies to Investigate the Interrelationship Between Sleep and/or Circadian Rhythms and Substance Use Disorders (NIDA, R01)
2022 NIH - Exploratory Studies on Mechanisms of Sleep and Substance Use Disorders (NIDA, R61/R33)
2020 NIH - Biobehavioral Regulation, Learning and Ethology (BRLE) - Early Career Reviewer (ECR)

JOURNAL PEER REVIEW

Nature, *Cell*, *Nature Neuroscience*, *Neuron, Molecular Psychiatry*, *Biological Psychiatry*, *Current Biology*, *Nature Comms.*, *Neuropsychopharm.*, *Cell Reports*, *Science Advances*, *J. Neuroscience*, *Addiction Biology*, *Sleep*, *Psychopharmacology*, *Neuropharmacology*, *European Journal of Neuroscience*, 25+ other journals

TEACHING

Winter 2027 Instructor, PSYC 152: *Neuroscience of Stress and Reward*; Stanford University
2026-27 Instructor, NEPR 280: *Neuroscience PhD Program – Journal Club*; Stanford University
Spring 2026 Instructor, PSYC 152: *Neuroscience of Stress and Reward*; Stanford University
Fall 2025 Instructor, PSYC 152: *Neuroscience of Stress and Reward*; Stanford University
Winter 2025 Instructor, PSYC 152: *Neuroscience of Stress and Reward*; Stanford University
2021-23 Co-Instructor, NEPR 212: *Responsible Conduct of Neuroscience Research*; Stanford University
2021-24 Co-Instructor, Clinical Neuroscience Immersion Experience: *Neurocircuitry*; Stanford Psychiatry
Fall 2022 Instructor, IntroSeminar PSYC 52N: *Neuroscience of Stress and Reward*; Stanford University
Spring 2022 Guest Lecturer, HumBio 4B: *Behavior, Health, and Development*; Stanford University
Fall 2021 Instructor, IntroSeminar PSYC 52N: *Neuroscience of Stress and Reward*; Stanford University

SERVICE

University - Education and Community

2026- Committee on Community, Engagement, Inclusion, Belonging - Wu Tsai Neurosciences Institute
2026- Faculty Co-chair, Curriculum Committee - Stanford Neurosciences PhD program
2023-26 Advisory Committee - Stanford Department of Psychiatry and Behavioral Sciences

2022-26 Neurosciences IDP representative, Biosciences Faculty Liaisons Committee
2022-26 Faculty Chair, NeuROOTS Committee - Stanford Neurosciences PhD program
2022-26 Community Seminar Director - Stanford Center for Sleep and Circadian Sciences (CSCS)
2022- Faculty mentor, Pathways to Neurosciences program - Stanford Wu Tsai Neuro Institute

University - Qualifying Exam, Dissertation Advisory, Thesis Oral Exam Committees
2022- Stanford Neurosciences PhD program
Sedona Ewbank, Lavonna Mark, Samantha Golf, Emma Follman, Keiramarie Robertson, Gabriella Muwanga, Karen Bradshaw, Karen Malacon, Yoo Jin Jung, Faith Aloboudi

University - Review and Evaluation
2026- Application reviewer, Stanford Propel Postdoctoral Fellowship
2025- Application reviewer, Stanford Wu Tsai Postdoctoral Scholar Award program
2025- Application reviewer and admissions interviewer, Stanford REACH/SMPER post-bacc program
2023- Admissions Committee - Stanford Neurosciences PhD program
2023- MD/PhD prospective student researcher evaluation - Stanford MSTP
2022-23 Application reviewer, Stanford Prism Baker Postdoctoral Fellowship
2021-24 Postdoc Grant Review Committee - Stanford Maternal Child & Health Research Institute

Outreach and Science Communication
2023 Speaker, Growing Up In Science, Stanford University
2023 Panelist, HHMI Leading Edge Fellows ("Starting a Lab")
2022 Guest speaker - Stanford Neuroscience Undergraduate Research Opportunity (NeURO)
2022 Guest speaker - Stanford Bio-X Undergraduate Summer Research Program (USRP)
2016 Max Planck Florida Institute – Neurotransmissions Podcast Interview, Episode #19
2016 Contributor, Interstellate Magazine, Vol. 1

Conference Service
2024- Career Development and Training Committee member - Research Society on Alcohol
2022-23 Program Committee member - Research Society on Alcohol
2021-25 Faculty Mentor - Research Society on Alcohol

MEDIA COVERAGE and EXPERT COMMENTARY
2025 "Your brain tracks your sleep debt – and now we may know how". Wade, G. *New Scientist.* (link)
2025 "Brain-cell 'periodic table' for psychiatric disorders reveals new schizophrenia clues". Goldman, B. *Stanford Medicine News.* (link)
2022 "A dopamine kick switches non-REM to REM sleep". *Drug Discovery News.* (link)
2018 "Researchers identify key brain circuits for reward-seeking and avoidance behavior". *NIH News*. (link)

CAREER DEVELOPMENT / CONTINUING EDUCATION
2022 Teaching Advancement Grant, Stanford Center for Teaching and Learning
2022 Tools for Effective Teaching Workshop: Basic Science, Stanford Faculty Development Center
2022 Leadership Academy, Stanford Department of Psychiatry and Behavioral Sciences
2021-23 Enhancing Skills in Mentor Training workshop series, Stanford Neurosciences PhD program
2021 IDEAL Pedagogy course, Stanford Center for Teaching and Learning
2021 Research career accelerator program (ReCAP), Stanford School of Medicine
2020-22 Starting Up Your Research Group (SURGE), Stanford School of Medicine

PROFESSIONAL AFFILIATIONS
- *Society for Research on Biological Rhythms* (2024-)
- *Sleep Research Society* (2021-)
- *International Regulatory Peptide Society* (2020-)
- *American College of Neuropsychopharmacology* (travel awardee, 2018)

- *International Society for Biomedical Research on Alcoholism* (2012-)
- *Research Society on Alcoholism* (2009-)
- *Society for Neuroscience* (2009-)

MEETING ABSTRACTS (80 total)