ARUN ASOK, PhD
Curriculum Vitae

Email: aaasok@gmail.com | Web: www.aasok.com |
Linkedin: https://www.linkedin.com/in/arun-asok | Twitter: https://twitter.com/aasok
Youtube: https://www.youtube.com/watch?v=ipi2LzlNUxI

PROFESSIONAL EXPERIENCE

Alien Therapeutics Inc., Philadelphia, PA — 2022 – Pres.
Founder
Web: https://www.alientherapeutics.us/

National Institute of Mental Health (NIMH), Bethesda, MD — 2021 – 2021
Division of Translational Research
Traumatic Stress Research Program
COVID-19 Special Volunteer
Contact: Susan Borja, PhD

University of Wisconsin, WI — 2020 – 2021
Department of Psychology
Assistant Professor (tenure-track)
Laboratory of Arun Asok, PhD
Web: https://www.aasok.com/research

Columbia University / Howard Hughes Medical Institute, New York, NY — 2016 – 2021
Department of Neuroscience
Zuckerman Mind Brain & Behavior Institute
Associate / Postdoctoral Research Fellow / Scientist (NIMH)
Advisor: Eric R. Kandel, MD

EDUCATION

University of Delaware, Newark, DE — 2016
Department of Psychological and Brain Sciences
PhD, Psychology / Neuroscience
Advisor: Jeffrey B. Rosen, PhD

Temple University, Philadelphia, PA — 2016
Department of Psychology
BS, Neuroscience with Distinction, 2nd major: Psychology
Advisors: Thomas J. Gould, PhD & Richard G. Heimberg, PhD

HONORS AND AWARDS

Pavlovian Society Top Poster Prize — 2015
University of Delaware Competitive Dissertation Fellowship — 2015 – 2016
University of Delaware Competitive Graduate Research Fellowship — 2014 – 2015
ISDP Sackler Institute Travel Award — 2013

Delaware Society for Neuroscience Top Poster Prize	2013
University of Delaware Professional Development Award	2011 – 2014
University of Delaware Department of Psychology Travel Award	2011 – 2014
Temple University Neuroscience Research Expo Top Poster Prize	2009
Temple University Psi Chi National Honor Society in Psychology	2009 – 2010

FUNDING

University of Wisconsin — 2020 – 2021
Asok Laboratory Startup Funds & Equipment
Role: Laboratory Director/Leader
Total Costs: ~ $2,000,000

NIMH Postdoctoral National Research Service Award F32-MH114306 — 2018 – 2021
Ventral hippocampal to hypothalamic circuit control of fear memories
National Institute of Mental Health
Role: Designed and wrote entire proposal (PI: Asok)
Total Costs: $186,426.00 (Scored in the 5th percentile)

Howard Hughes Medical Institute Grant — 2019
Large-scale optical imaging of functional prion aggregation and neural activity in memory networks of the brain
Role: Designed and wrote entire proposal (PI: Eric Kandel)
Total Costs: $116,270.00

Howard Hughes Medical Institute Grant — 2018
Micro-electrode array analysis of prion aggregation in large-scale neural networks
Role: Designed and wrote entire proposal (PI: Eric Kandel)
Howard Hughes Medical Institute
Total Costs: $133,698.67

Howard Hughes Medical Institute Grant — 2017
Fiber photometric analysis of neuronal calcium activity and prion aggregation in distinct hippocampal circuits
Role: Designed and wrote entire proposal (PI: Eric Kandel)
Howard Hughes Medical Institute
Total Costs: $71,621.37

American Psychological Association Dissertation Research Grant — 2015
Optogenetic dissection of an extended amygdala CRF circuit important for fear and anxiety
American Psychological Association
Role: Designed and wrote entire proposal (PI: Asok)
Direct Costs: $2,500

Center for Science, Ethics & Public Policy — 2015
Proper management and storage of scientific data: Ethical concerns and practical solutions seminar
National Science Foundation EPSCOR
Role: Designed and wrote sub-proposal for seminar (PI: Thomas Powers)
Direct Costs: $1,200

PRESS AND MEDIA

Commentary on ISRIB Molecule Development by Google Calico Labs, MIT Technology Review, Cambridge, MA (2021). Available at: https://www.technologyreview.com/2021/08/25/1031783/isrib-molecule-treat-brain-injuries-memory/

Reflections of a Scientist at Columbia University. Columbia University News and Media. New York, NY (2021). Available on YouTube: https://www.youtube.com/watch?v=ipi2LzlNUxI

Multisensory Circuit Lecture. MPA. Milwaukee, WI (2021). Available on YouTube: https://www.youtube.com/watch?v=z2knzQpF4po

How we remember aversive memories: Applying optogenetics and pharmacology to decipher the function of CRF. Science Rocks Radio (93.1 FM), Newark, DE (2014). Audio at bottom of page: https://www.aasok.com/news

Childhood telomere work featured in, "The Telomere Effect: A Revolutionary Approach to Living Younger, Healthier, Longer." By Elizabeth Blackburn and Elissa Epel (2017).

Corticotropin Releasing Factor (CRF) work featured in, "The CRF Signal: Uncovering an Information Molecule." By Jay Schulkin (2017).

Molecular Psychiatry Cover Image (2017).

PUBLICATIONS

Submitted / Preprints / In Preparation

Asok. A. (*In Preparation*). Circular RNAs embed pieces of real-world sensory information into an episodic memory. BioRxiv Preprint.

Reyes, N.S., Diaz, P.A.S., Manas, R.N., Ruiz-Pino, A., Nomura, Y., de Solis, C.A., Schulkin, J., **Asok, A. &** Leroy, F. (*In Revision*) Corticotropin-releasing hormone signaling from prefrontal cortex to lateral septum supports social novelty preference. *BioRxiv Preprint*.

Asok, A., Leroy, F., Parro, C., Ford, L., de Solis C. A., Fitzpatrick, M., Rayman, J.B. & Kandel, E.R. (*In Revision* – ***Nature Communications*** - 2021). A multisensory hippocampal circuit for gating intense aversive experiences. *BioRxiv Preprint*.

Ford, L., **Asok, A.**, Tripp, A., de Solis, C.A., Shafiian, N., Levine, L., Duresso, B., Fitzpatrick, M., Fiorti, L. & Kandel, E.R. (*In Revision* - ***Proceedings of the National Academy of Sciences*** – 2021). The low complexity domain of cytoplasmic polyadenylation element binding protein 3 (CPEB3) is necessary for translation inhibition. *BioRxiv Preprint*.

Published

Asok, A. (2022). Editorial: Brain Modifications in Response to Stress: From Cellular to Circuit Reorganization. *Frontiers in Systems Neuroscience*. PMID: 36071745.

Kalmbach, A., Winiger, V., Jeong, N., **Asok A.**, Gallistel, C.R., Balsam, P.D. & Simpson, E.H. (2022). Dopamine encodes real-time reward availability and transitions between reward availability states on different timescales. ***Nature Communications***. PMID: 33990774.

Leroy, F., De Solis, C., Boyle, L., Bock, T., Olfaro, O., Oliva, A., Buss, E., Morton, S., **Asok, A.**, Kandel, E.R., Siegelbaum, S.A. (2021). Enkephalin release by VIP neurons mediates hippocampal CA2 inhibitory plasticity and the formation of CA2-dependent social memory. ***Molecular Psychiatry***, 1-22. PMID: 33990774.

Scherma M., Qvist, J.S., **Asok A.**, Huang, S.S.C., Deidda, M., Wei, Y.B., Soni, R.K., Fratta, W., Fadda, P., Kandel, E.R., Kandel, D.B. & Melas, P.A. (2020). Cannabinoid exposure in rat adolescence reprograms the initial behavioral, molecular, and epigenetic response to cocaine. ***Proceedings of the National Academy of Sciences***, 117(18), 9991-10002. PMID: 32312805.

Asok, A., Hijazi, J., Harvey, L. R., Kosmidis, S., Kandel, E. R., & Rayman, J. B. (2019). Sex differences in remote contextual fear generalization in mice. *Frontiers in behavioral neuroscience*, 13. PMID: 30967765.

Leroy, F., Park, J., **Asok, A.**, Brann, D. H., Meira, T., Boyle, L. M., ... Kandel, E.R. & Siegelbaum, S. A. (2018). A circuit from hippocampal CA2 to lateral septum disinhibits social aggression. ***Nature***, 564(7735), 213. PMID: 30518859.

Asok, A., Leroy, F., Rayman, J. B., & Kandel, E. R. (2018). Molecular mechanisms of the memory trace. ***Trends in neurosciences***. PMID: 30391015.

Asok, A., Draper, A., Hoffman, A. F., Schulkin, J., Lupica, C. R., & Rosen, J. B. (2018). Optogenetic silencing of a corticotropin-releasing factor pathway from the central amygdala to the bed nucleus of the stria terminalis disrupts sustained fear. ***Molecular psychiatry***, 23(4), 914. PMID: 28439099.

Asok, A., Kandel, E. R., & Rayman, J. B. (2018). The neurobiology of fear generalization. *Frontiers in behavioral neuroscience*, 12. PMID: 30697153.

Jablonski, S. A., Robinson-Drummer, P. A., Schreiber, W. B., **Asok, A.**, Rosen, J. B., & Stanton, M. E. (2018). Impairment of the context preexposure facilitation effect in juvenile rats by neonatal alcohol exposure is associated with decreased Egr-1 mRNA expression in the prefrontal cortex. *Behavioral neuroscience*, 132(6), 497. PMID: 30346189

Dagan, O., **Asok, A.**, Steele, H., Steele, M., & Bernard, K. (2018). Attachment security moderates the link between adverse childhood experiences and cellular aging. *Development and psychopathology*, 30(4), 1211-1223. PMID: 29229013.

Blaze, J., **Asok, A.**, Borrelli, K., Tulbert, C., Bollinger, J., Ronca, A. E., & Roth, T. L. (2017). Intrauterine exposure to maternal stress alters Bdnf IV DNA methylation and telomere length in the brain of adult rat offspring. *International journal of developmental neuroscience*, 62, 56-62. PMID: 28330827.

Murawski, N. J., & **Asok, A.** (2017). Understanding the contributions of visual stimuli to contextual fear conditioning: a proof-of-concept study using LCD screens. Neuroscience letters, 637, 80-84. PMID: 27888041 / BioRχiv Preprint.

Asok, A., Schulkin, J., & Rosen, J. B. (2016). Corticotropin releasing factor type-1 receptor antagonism in the dorsolateral bed nucleus of the stria terminalis disrupts contextually conditioned fear, but not unconditioned fear to a predator odor. *Psychoneuroendocrinology*, 70, 17-24. PMID: 27153520.

Chakraborty, T., **Asok, A.**, Stanton, M. E., & Rosen, J. B. (2016). Variants of contextual fear conditioning induce differential patterns of Egr-1 activity within the young adult prefrontal cortex. *Behavioural brain research*, 302, 122-130. PMID: 26778782.

Blaze, J., **Asok, A.**, & Roth, T. L. (2015). Long-term effects of early-life caregiving experiences on brain-derived neurotrophic factor histone acetylation in the adult rat mPFC. *Stress*, 18(6), 607-615. PMID: 26305287.

Ayers, L. W., **Asok, A.**, Blaze, J., Roth, T. L., & Rosen, J. B. (2016). Changes in dam and pup behavior following repeated postnatal exposure to a predator odor (TMT): A preliminary investigation in long-evans rats. *Developmental psychobiology*, 58(2), 176-184. PMID: 26394891.

Rosen, J. B., **Asok, A.**, & Chakraborty, T. (2015). The smell of fear: innate threat of 2, 5-dihydro-2, 4, 5-trimethylthiazoline, a single molecule component of a predator odor. *Frontiers in neuroscience*, 9, 292. PMID: 26379483.

Blaze, J., **Asok, A.**, & Roth, T. L. (2015). The long-term impact of adverse caregiving environments on epigenetic modifications and telomeres. *Frontiers in behavioral neuroscience*, 9, 79. PMID: 25904853.

Asok, A., Bernard, K., Rosen, J. B., Dozier, M. & Roth, T. L. (2014). Infant-caregiver experiences alter telomere length in the brain. *PLoS one*, 9(7), e101437. PMID: 24983884.

Schreiber W. B., **Asok, A.**, Jablonski, S. A., Rosen, J. B. & Stanton, M. E. (2014). Egr-1 mRNA expression patterns in the prefrontal cortex, hippocampus, and amygdala during variants of contextual fear conditioning in adolescent rats. *Brain Research,* 1576, 63-72. PMID: 24976583.

Asok, A., Ayers, L. W., Awoyemi, B., Schulkin, J. & Rosen, J. B. (2013). Immediate early gene and neuropeptide expression following exposure to the predator odor 2,5-dihydro-2,4,5-trimethylthiazoline (TMT). *Behavioural Brain Research,* 248, 85-93. PMID: 23583519.

Asok, A., Schreiber W. B., Jablonski, S. A., Rosen, J. B. & Stanton, M. E. (2013). Egr-1 increases in the prefrontal cortex following training in the context preexposure facilitation effect (CPFE) paradigm. *Neurobiology of Learning and Memory,* 106, 145-153. PMID: 23973447.

Ayers, L.W., **Asok, A.**, Heyward, F. D. & Rosen, J. B. (2013). Freezing to the predator odor 2,4,5 dihydro 2,5 trimethylthiazoline (TMT) is disrupted by olfactory bulb removal but not trigeminal deafferentation. *Behavioural Brain Research*, 253, 54-59. PMID: 23831303.

Asok, A., Bernard, K., Roth, T. L., Rosen, J. B. & Dozier, M. (2013). Parental responsiveness moderates the association between early-life stress and reduced telomere length. *Development and Psychopathology*, 25(3), 577-585. PMID: 23527512.

PRESENTATIONS

Oral Presentations

Fenech, A.L., Soriano, E.C., **Asok, A.**, Siegel, S.D., Laurenceau, J-P. (2023) Fear of Cancer Recurrence and Cortisol Levels in Partners of Breast Cancer Survivors. Society of Behavioral Medicine. Phoenix, AZ.

Asok, A. (2022). Circular RNAs – From Models of Memory to Human Health. Detroit, MI.

Asok, A. (2022). Biological Underpinnings of PTSD: From the bench to the bedside. JPS Texas Health Network *Grand Rounds* Lecture. Virtual. Fort Worth, TX.

Asok, A. (2021). A hippocampal circuit for gating aversive experiences and student ask me anything. Delaware State University. Virtual. Dover, DE.

Asok, A. (2021). A novel ventral hippocampal circuit for gating leaned and innate aversive experiences. Midwestern Psychological Association Annual Meeting. Virtual. Saturday Live Session.

Asok, A. (2020). A hippocampal circuit for gating high-intensity aversive experiences. Arizona State University Neuroscience Seminar. Phoenix, AZ.

Asok, A. (2020). A hippocampal circuit for gating high-intensity aversive experiences. Georgetown University Neuroscience Seminar. Washington D.C.

Asok, A. (2020). A hippocampal circuit for gating high-intensity aversive experiences. University of Wisconsin-Milwaukee Seminar. Milwaukee, WI.

Asok, A. & Kandel, E.R. (2018). A hippocampal circuit for gating high-intensity aversive experiences. Columbia University / Zuckerman Mind Brain Behavior Institute Postdoctoral Seminar Series. New York, NY.

Asok, A. & Kandel, E.R. (2018). Neural Circuits that Co-Modulate Learned and Innate Predator Odor Fear. Gordon Research Conference: Predator-Prey Interactions. Ventura, CA. Web Link.

Asok, A. & Kandel, E.R. (2017). A Novel Hippocampal Circuit for Modulating Aversive Experiences. 2nd Annual Cohen Veterans Care Summit. Washington, D.C. Web Link.

Dagan, O., **Asok, A.**, Steele, H., Steele, M. & Bernard, K. (2016). Attachment Security Moderates the Link between Adverse Childhood Experiences and Cellular Aging. Symposium at Society for Research in Child Development, Austin, TX.

Asok, A. (2016). A Neural Pathway that Gates the Expression of Short and Long-Lasting Fears. PTSD Causes, Consequences, & Responses Multidisciplinary Conference. Memorial University of Newfoundland. Newfoundland, Canada.

Asok, A. & Powers, T. (2015). Research Ethics and Integrity. CSEPP Summer Research Scholars Seminar, Newark, DE.

Asok, A. (2014). Preparing abstracts and understanding the publication process. University of Delaware Research Scholars Workshop, Newark, DE.

Asok, A. (2014). Telomeres as a biomarker for measuring the impact of early-life stress. University of Delaware, Newark, DE.

Asok, A. (2013). Early-life stress decreases the length of telomeres in childhood. NERIC IDeA 5th Annual Conference, Newark, DE.

Asok, A. (2013). Egr-1 increases in the prefrontal cortex following training in the CPFE paradigm. Neurobiology of Learning and Memory Annual Conference Data Blitz, Park City, UT.

Poster Presentations (***** designates student presenter)

de León-Reyes N., Sierra, P., Ruiz, A., Nomura, Y., de Solis, C., Schulkin, J., **Asok, A.** & Leroy, F (2021). CRH release from the pre-frontal cortex to the lateral septum regulates social recognition. Neural Basis for Social Behavior Symposium, Alicante, Spain.

Leroy, F., DeSolis, C.A., **Asok., A.** & Siegelbaum, S. (2019). VIP neurons support CA2 input-timing dependent plasticity and social memory. Society for Neuroscience Annual Meeting, Chicago, IL.

Asok, A., Leroy, F., Parro, C., De Solis, C., Ford, L., Fitzpatrick, M., Kalmbach, A., Neve, R., Rayman, J., Kandel, E.R. (2019). A temporally-selective gating mechanism for aversive experiences. Pavlovian Society Annual Science Meeting, Vancouver, BC & Molecular and Cellular Cognition Society, Chicago, IL.

*Madhani, A., Rekow, A., Parro, C., Fitzpatrick, M., Moya, N., Kandel, E.R. & **Asok, A.** (2019) The role of NfkB in modulating strong and weak aversive memories. Barnard College Summer Research Institute Symposium, New York, NY.

Asok, A., Leroy, F., Parro, C., De Solis, C.A., Ford, L., Fitzpatrick, M., Rayman, J.B. & Kandel, E.R. (2019). A temporally-selective gating mechanism for modifying the molecular architecture of an aversive experience. Howard Hughes Medical Institute (HHMI) Annual Science Meeting, Chevy Chase, MD.

F. Leroy, Boyle, L.M., Park, J., **Asok, A.**, Brann, D.H., Meira, T., Buss, E.W., Kandel, E.R. & Siegelbaum, S.A. (2018). Dual gating by vasopressin of hippocampal CA2 soma and presynaptic terminals in lateral septum. Society for Neuroscience Annual Meeting, San Diego, CA.

Asok, A., Rayman, J.B. & Kandel, E.R. (2017). A novel circuit that gates high-intensity sensory experiences and modulates fear memories. Howard Hughes Medical Institute (HHMI) Annual Science Meeting, Chevy Chase, MD.

Asok, A. ¥, Gagliardotto, D.V. ¥, Hughes, A.M., Schulkin, J. & Rosen, J.B. (2016). Optogenetic analysis of prefrontal contributions to contextual fear memories. Society for Neuroscience Annual Conference, San Diego, CA.

Asok, A. Schulkin, J. & Rosen, J.B. (2015). Optogenetic dissection of corticotropin-releasing-factor cells in the extended amygdala during contextual fear conditioning. Pavlovian Society, Portland OR. Molecular and Cellular Cognition Society and Society for Neuroscience Annual Conference, Chicago, IL.

Murawski, N.J. ¥ & **Asok, A.** ¥ (2015). Digital fear conditioning in rats: utilizing LCD-based visual context manipulations during conditioning. Pavlovian Society, Portland, OR. Society for Neuroscience Annual Conference, Chicago, IL.

Blaze, J., **Asok, A.**, Tulbert, C.D., Ronca, A.E. & Roth, T.L. (2015). Effects of unpredictable variable prenatal stress (UVPS) on bdnf DNA methylation and telomere length in the adult rat brain. International Society for Developmental Psychobiology, San Sebastian, Spain.

Moyer, E.L., Blaze, J., **Asok, A.**, Roth, T.L. & Ronca, A.E. (2015). Does unpredictable variable prenatal stress (uvps) alter maternal care and modulate telomore length in adult rat brain? International Society for Developmental Psychobiology, San Sebastian, Spain.

Hoye, J., **Asok, A.,** Roth, T.L. & Dozier, M. (2015). Intervening Early to Affect Telomere Length. Society for Research in Child Development, Philadelphia, PA.

Asok, A., Schulkin, J. & Rosen, J. B. (2014). Corticotropin releasing factor type-1 receptor antagonism in the bed nucleus of the stria terminals impairs is necessary for consolidating contextual fear memories. Molecular and Cellular Cognition Society & Society for Neuroscience Annual Conference, Washington. D.C.

Chakraborty, T., **Asok, A.**, Stanton, M. E. & Rosen, J. B. (2014). Increased Egr-1 expression in the prefrontal cortex correlates with context-shock association in the context pre-exposure facilitation effect (CPFE) in adult rats. Society for Neuroscience Annual Conference, Washington. D.C.

Jablonski, S. A., Schreiber, W. B., **Asok, A.**, Rosen, J. B., & Stanton, M.E. (2014). Impairment of the context preexposure facilitation effect in juvenile rats by neonatal alcohol exposure is associated with decreased Egr-1 mRNA expression in the prefrontal cortex. Research Society on Alcoholism, Bellvue, WA.

Ayers, L. W., **Asok, A.**, Blaze, J., Roth, T. L., & Rosen, J. B. (2013). Repeated Exposure to the Predator Odor TMT in Early-Life Alters Behavioral Responses to Subsequent TMT Exposure in Adolescence. Society for Neuroscience Annual Conference, San Diego, CA.

Chakraborty, T., **Asok, A.**, Jablonski, S. A., Schreiber, W. B., Stanton, M. E. & Rosen, J. B. (2013). Egr-1 Gene Expression in the Prefrontal Cortex, Hippocampus, and Amygdala in the CPFE Fear Conditioning Paradigm. Society for Neuroscience Annual Conference, San Diego, CA.

Hoye, J., **Asok, A.** & Dozier, M. (2013). Examining telomere length among children adopted internationally: preliminary findings. Delaware Chapter of the Society for Neuroscience, Newark, DE.

Asok, A. Bernard, K., Rosen, J. B., Dozier, M. & Roth, T. L. (2013). The influence of caregiver maltreatment on brain telomere length in a rodent model. Society for Neuroscience Annual Conference & International Society for Developmental Psychobiology, San Diego, CA.

Ayers, L. W., **Asok, A.**, Heyward, F., O'Connell, K., Agostini, A. & Rosen, J. B. (2013). Freezing to the predator odor 2,5-dihydro-2,4,5-trimethylthiazoline is Disrupted by Olfactory Bulb Removal but not Trigeminal De-afferentation. Society for Neuroscience Annual Conference, New Orleans, LA.

Schreiber, W. B., **Asok, A.**, Jablonski, S. A., Rosen, J. B., & Stanton, M. E. (2013). Egr-1 mRNA Expression Patterns in The Prefrontal Cortex, Hippocampus, And Amygdala During The Context Pre-Exposure Facilitation Effect In Juvenile Rats. International Society for Developmental Psychobiology, San Diego, CA.

Asok, A., Jablonski, S. A., Schreiber, W. B., Rosen, J. B., & Stanton, M. E. (2013). Differential Expression of egr-1 mRNA in the prefrontal cortex and hippocampus in the context pre-exposure facilitation effect (CPFE) during adolescence. Society for Neuroscience Annual Conference & Pavlovian Society, Austin, TX.

Asok, Bernard, K., Roth, T.L., Rosen, J. B., & Dozier, M. (2012). Early-Life Stress Decreases the Length of Telomeres in Childhood. Molecular and Cellular Cognition Society Annual Conference, New Orleans, LA.

Asok, A., Ayers, L. W., Awoyemi, B., Domozych, W., & Rosen, J. B. (2011). Innate Fear to the Predator Odor 2,5-dihydro-2,4,5-trimethylthiazoline (TMT) Regulates mRNA Expression of Immediate Early Genes and Neuropeptides. Society for Neuroscience Annual Conference, Washington D.C.

Asok, A., Cordero, K. C., & Gould, T. J. (2010). The potentially modulating effects of nicotine on a food induced conditioned place preference. Temple University Neuroscience Research Expo, Philadelphia, PA.

Service Presentations

Asok, A. (2020). How to Negotiate your Startup Package - Academic Application Boot Camp. Columbia University, Zuckerman Mind Brain & Behavior Institute. New York, NY.

Bowman, C. & **Asok, A.** (2021). Professional Development Workshop Series. UWM, Milwaukee, WI.

TEACHING AND MENTORING EXPERIENCE

Teaching

Cellular and Molecular Neuroscience, UWM, Instructor (graduate/undergraduate)	2021 – Spring
Neuromodulation, Barnard College, Guest Lecturer (undergraduate)	2019 – Fall
Introduction to Neuroscience, University of Delaware, Guest Lecturer (undergraduate)	2011 – 2015
Introduction to Neuroscience, University of Delaware, Teaching Assistant	2014
Drugs and the Brain, University of Delaware, Guest Lecturer	2013
Introduction to Neuroscience, University of Delaware, Teaching Assistant	2013
Mental Illness: Critical Perspectives, University of Delaware, Teaching Assistant	2012
Introduction to Psychology, University of Delaware, Instructor	2011
Introduction to Neuroscience, University of Delaware, Teaching Assistant	2011

Research Mentorship / Staff

Lauren McHargue, University of Wisconsin, Admin/Personal Assistant	2021
Khia Yang, University of Wisconsin, Asoklab graduate student	2021
Bridgitte Cote, University of Wisconsin, Asoklab graduate student	2021
Sonya Kummer, University of Wisconsin, Asoklab undergraduate student	2021
Michelle Fitzpatrick, Columbia University, personal research tech.	2018 – 2020
Nicolette Moya, University of Colorado, HHMI EXROP summer student	2018
Adam Gardi, University of Michigan, undergraduate student	2018
Cameron Parro, Howard Hughes Medical Institute, personal research tech.	2018 – 2020
Anna Rekow, Barnard College, undergraduate student	2018 – 2020
Amsal Madhani, Barnard College, undergraduate student	2017 – 2020
Andrew Redenti, Columbia University, MD graduate student	2017
Myriam Tanguay-Sela, Columbia University, McGill Summer Intern	2017
Adam Draper, University of Delaware, UD Summer Scholar Fellow	2014 – 2015
David Gagliardotto, University of Delaware, Rosen Laboratory	2014 – 2015
Alexander Hughes, University of Delaware, Rosen Laboratory	2014
Patricia Pa, University of Delaware, Rosen Laboratory	2014
Erin Eller, University of Delaware, Summer Scholar Fellow	2013

PROFESSIONAL AND UNIVERSITY SERVICE

Editorial Appointments

Frontiers in Molecular Neuroscience – Molecular Signaling and Pathways 2022 – Pres.
Associate Editor

Frontiers in Systems Neuroscience, Guest Editor (w/ Eric Kandel) 2019 – 2021
Topic: Brain Modifications After Stress: From Cellular to Circuit Reorganization

Frontiers in Behavioral Neuroscience, Learning & Memory Section, Review Editor 2020 – Pres.

Ad Hoc Reviewing

Translational Psychiatry, Neuropsychopharmacology, Learning & Memory, Scientific Reports, Journal of Affective Disorders, Journal of Pediatrics, Journal of Adolescent Health, Progress in Neuro-

Psychopharmacology & Biological Psychiatry, Psychiatry Research, Developmental Psychobiology, Physiology and Behavior, Genes Brain & Behavior, Biomedical Engineering Online, Hormones and Behavior, Neuroscience, Neurobiology of Learning and Memory, Frontiers in Behavioral Neuroscience, Journal of Neuroscience, Neuropharmacology, Trends in Neuroscience

Grant Reviewing

APA Dissertation Grant Reviewer	2017
APS Student Grant Competition Reviewer	2014 – 2015
APS RISE Research Award Reviewer	2013

Panels

Kavli Institutes in Neuroscience Forum 2020 Program Committee Yale University (New Haven, CT)	Canceled
Cohen Veterans Bioscience Alliance for Models of PTSD, Innovative Technologies, and Uniform Practices (Washington D.C.)	2016
APA Career Development Focus Group (New York, NY)	2016

University Service

University of Wisconsin – Milwaukee, Associate Professor Diversity Recruitment Panel	2020
Presidential Search Committee, UD, Graduate Focus Group Representative	2015
External Academic Program Review, UD Dept. of Psychological and Brain Sciences	2015

PROFESSIONAL AFFILIATIONS

Society for Neuroscience	2010 – Pres.
Molecular and Cellular Cognition Society	2011 – Pres.
New York Academy of Sciences	2016 – Pres.
American Psychological Association	2010 – Pres.
Association for Psychological Science	2013 – Pres.