Brandy Briones, Ph.D. (she/her/hers)

Curriculum Vitae (last updated: 24 September 2024)

CONTACT INFORMATION	Postdoctoral Researcher email: brionb2@uw.edu	University of Washington School of Medicine Stuber Lab HSB J135 NE Pacific Street Seattle, WA 98195

ACADEMIC EMPLOYMENT	**University of Washington, Seattle**	
	2020–present Advisor:	Postdoctoral Research Scholar Dr. Garret Stuber Neurobiology of Addiction, Pain, & Emotion Center

EDUCATION	**Princeton University**	
	2014–2020 Primary Advisor: Secondary Advisor: Dissertation:	Ph.D. Psychology and Neuroscience Dr. Elizabeth Gould Dr. Ilana Witten *Investigating hippocampal and striatal structural plasticity and perineuronal nets*
	University of California, Los Angeles	
	2010–2014 Advisor: Thesis:	B.S. Psychobiology Dr. Thomas Minor *Striatal-adenosine effects on conservation-withdrawal behavior in post-traumatic stress disorder*

MAJOR GRANTS & FELLOWSHIPS	2024	**BRAINS:** Broadening the Representation of Academic Investigators in NeuroScience, Fellow
	2021–present	**NRSA Postdoctoral Fellowship**, BRAIN Initiative: F32MH127772
	2021–2022	**UW Science Teaching & Education Program** (STEP-WISE) Fellowship
	2020	**NIDA Diversity Supplement** to "Midbrain Neural Circuit Elements that Underlie Cue-Reward Associations": R37DA032750
	2019	Gordon Research **Carl Storm Underrepresented Minority Fellowship**
	2017–2018	Princeton University, **Resident Graduate Student Fellow**
	2015–2019	**National Science Foundation, Graduate Research Fellowship** Program
	2014–2019	Princeton University, **Presidential Fellowship for Academic Excellence**
	2013–2014	**Initiative for Maximizing Student Diversity**, UCLA Research Fellow and Scholar
	2012–2013	**Center for Academic Research Excellence**, UCLA Research Fellow and Scholar
	2010–2012	**UCLA Program of Excellence in Education & Research in the Sciences**, Fellow

AWARDS & HONORS	2024	Gordon Research Conference in Optogenetics Poster Award
	2024	BRAIN Initiative Scholar Spotlight Honorable Mention
	2022	University of Washington Young Investigator Spotlight
	2018	Synapse Women NYC Featured Neuroscientist
	2018	Spectrum News Featured Research spectrumnews.org/news/webbing-around-neurons-altered-autism-mouse-models/
	2010-2011	Dean's List, University of California, Los Angeles

RESEARCH EXPERIENCE

Garret Stuber Lab - University of Washington, Seattle

2020–present ***Neural mechanisms driving socially-biased aggression:*** Independent research program linking social group biases in rodents with sex steroid hormone-sensitive neurons via genetic, viral, & pharmacological manipulations, *in vivo* recordings, *ex vivo* $Ca2^{+}$ imaging, behavioral analyses, microscopy, and *in situ* hybridization.

2022-present ***Midbrain dynamics of estrogen-receptor 1 expressing neurons:*** Collaborative research developing an estrogen-sensitive biosensor for *in vivo* recording, in addition to characterization of molecular and single cell RNA sequencing of *Esr1*-expressing cells using whole brain clearing, light sheet microscopy, two-photon imaging, viral tracing, and transgenic mouse lines.

2020–2022 ***Brain-wide activity patterns across multiple pain modalities:*** Collaborative work identifying brain loci and sensory mechanisms involved in regulating neural activity associated with pain (i.e., mechanical, visceral, inflammatory, nerve).

Elizabeth Gould Lab - Princeton University

2017–2020 ***Extracellular matrix modulation of neuronal structural and functional plasticity:*** Independent research investigating the role of perineuronal net structures on plasticity using mouse models for autism spectrum disorder via pharmacological manipulations, computational modeling, *in vivo* electrophysiology, *ex vivo* recordings, microscopy, and behavioral analyses.

2017–2020 ***Hippocampal interneuron and adult-born neuron microcircuits****:* Independent research characterizing adult-born mossy fiber boutons on parvalbumin+ interneurons using retrovirus-tracing, high resolution confocal microscopy, and computational modeling.

2014–2017 ***Learning-dependent effects on dendritic spine plasticity:*** Independent research demonstrating learning-induced changes to striatal neurons using high resolution confocal imaging and supervised machine learning segmentation of DiO-labeled dendritic spines.

Thomas Minor Lab - University of California, Los Angeles

2012–2014 ***Adenosine modulation of post-traumatic stress-induced impairments:*** Independent research analyzing the effects of pharmacological blockade of adenosine receptor 2A in dorsal striatum on behavior in a PTSD model using rats.

2012–2014 ***Stress effects of intensive special forces RECON training:*** Collaborative field research collecting and analyzing blood samples and biofeedback data of special forces trainees via DNA microarray assays and behavior.

TEACHING

2024 **Current Topics in Neuroscience** (NEU 527), *guest lecturer*. University of Washington, Seattle.

2024 **Current Research Literature in Neuroscience** (NEU 450), *guest lecturer*. University of Washington, Seattle.

2022 **Women in STEM** (BST 205), *invited panelist*. University of Washington, Bothell.

2022 **Integrating the Body, Brain, and Behavior** (BIOL 485A), *co-instructor*. University of Washington, Seattle.

2020 **The Neurobiology of Stress** (NEU 413/PSY 413), *co-instructor*. Princeton University.

2019 **Stress, Resilience and Illness** (NEU 413/PSY 413), *guest lecturer*. Princeton University.

2015 **Psychology of Decision Making and Judgment** (WWS 340/PSY 321), *assistant instructor*. Princeton University.

2013 **URM Freshmen Research Seminar** (EEB 97X), *invited panelist*. UCLA.

RESEARCH PUBLICATIONS

Briones BA, Masputra N, Sakya D, Trzeciak M, Garret Z, Torres AE, Aluri PR, Oien R, Borrego M, Stuber GD. (in prep) *Posterior paraventricular thalamus modulates socially-biased aggression.*

Ottenheimer DJ, Simon RC, Burke CT, **Briones BA**, Bowen AJ, Ferguson SM, Stuber GD. (2024) *Single-cell sequencing of rodent ventral pallidum reveals diverse neuronal subtypes with non-canonical interregional continuity.* (in resubmission at Science Advances).

MacDowell CJ, **Briones BA**, Lenzi MJ, Gustison ML, Buschman TJ. (2024) *Individual differences in the expression of cortex-wide neural dynamics is related to behavioral phenotype*. Current Biology.

Hashikawa K*, Hashikawa Y*, **Briones BA**†, Ishii K†, Liu Y, Rossi MA, Basiri ML, Chen JY, Ahmad OR, Mukundan RV, Johnston NL, McHenry JA, Palmiter RD, Rubinow DR, Zweifel LS, Stuber GD. (2024) *Steroid induction of preoptic transcription during puberty initiates mating behavior*. bioRxiv (in resubmission at Nature Neuroscience).

Simon RC, Fleming WT, Senthikumar P, **Briones BA**, Ishii K, Hjort MM, Martin MM, Hashikawa K, Sanders AD, Golden SA, Stuber GD. (2024) *Opioid-driven disruption of the septal complex reveals a role for neurotensin-expressing neurons in withdrawal.* bioRxiv (in resubmission at Neuron)

Bohic M, Upadhyay A, Eisdorfer JT, Keating J, Simon RC, **Briones BA**, Azadegan C, Nacht HD, Oputa O, Bethell BB, Romanienko P, Ramer MS, Stuber GD, Abraira VE. (2023) *A new Hoxb8flpO mouse line for intersectional approaches to dissect developmentally defined adult sensorimotor circuits*. Frontiers in Molecular Neurosci.

Briones BA, Pitcher MN*, Fleming WT*, Libby A, Diethorn EJ, Haye AE, MacDowell CJ, Zych AD, Waters RC, Buschman TJ, Witten IB, Gould E. (2022) *Perineuronal nets in the dorsomedial striatum contribute to behavioral dysfunction in mouse models of excessive repetitive behavior*. Biological Psychiatry: Global Open Science.

Fleming WT, Lee J, **Briones BA**, Bolkan S, Witten IB. (2022) *Cholinergic interneurons mediate cocaine extinction in male mice through plasticity across medium spiny neuron subtypes*. Cell Reports.

Briones BA, Pisano TJ, Pitcher MN, Haye AE, Diethorn EJ, Engel E, Cameron HA, Gould E. (2021) *Adult-born granule cell mossy fibers preferentially target parvalbumin-positive interneurons surrounded by perineuronal nets.* Hippocampus. Featured on Volume 31 cover.

Briones BA, Tang VD, Haye AE, Gould E. (2018) *Response learning stimulates dendritic spine growth on dorsal striatal medium spiny neurons*. Neurobiol Learn Mem.

Brockett AT, Kane GA, Monari PK, **Briones BA**, Vigneron PA, Barber GA, Bermudez A, Dieffenbach U, Kloth AD, Buschman TJ, Gould E. (2018) *Evidence supporting a role for astrocytes in the regulation of cognitive flexibility and neuronal oscillations through the Ca2+ binding protein S100β*. PLoS One.

Cope EC, **Briones BA**, Brockett AT, Martinez S, Vigneron PA, Opendak M, Wang SS-H, Gould E. (2016) *Immature neurons and radial glia, but not astrocytes or microglia, are altered in adult Cntnap2 and Shank3 mice, models of autism*. eNeuro.

INVITED WRITINGS

Ferrara NC, Che A, **Briones BA**, Padilla-Coreano N, Lovett-Barron M, Opendak M. (2023) *Neural circuit transitions supporting developmentally-specific social behavior*. J Neurosci.

Briones BA, Gould E. (2019) Neurogenesis and Stress, Handbook of Stress vol 3: Stress, Physiology, Biochemistry and Pathology. Chapter 7 - *Adult Neurogenesis and Stress*.

Opendak M, **Briones BA**, Gould E. (2016) *Social behavior, hormones and adult neurogenesis.* Frontiers in Neuroendocrinology.

Briones BA, Plumb TN, Minor TR. (2014) *Adenosine's autacoid function in the central nervous system and the behavioral state of conservation-withdrawal*. Journal of Autacoids and Hormones.

INVITED PANELS & SYMPOSIA

Briones BA, LeDuke D. Optogenetic Application and Translation. ***Discussion Moderator***. (2024) Gordon Research Conference in Optogenetic Approaches to Understanding Neural Circuits and Behavior. Tuscany Il Ciocco, Lucca, Italy.

Briones BA, Rao R, Casimo K, Mazwi N, Dembrow N, MacDuffie K. An Evening with Neuroscience. ***Invited Panelist Speaker***. (2024) Grey Matters: the Undergraduate Neuroscience Journal Symposium. University of Washington, Seattle.

Briones BA, Padilla-Coreano N, Ferrara N, Lovett-Barron M, Che A, Opendak M. Steroid hormone-sensitive neurons in the paraventricular thalamus enhance out-group, but not in-group, aggression in mice. ***Minisymposium Presentation***. (2023) Society for Neuroscience. Washington, DC, USA. *Featured in SfN minisymposium review*.

Briones BA. Making headway towards open science. ***Discussion Leader*.** (2023) Gordon Research Conference in Modulation of Neural Circuits & Behavior. Les Diablerets, CH, Switzerland.

Briones BA, Falkner A, Abdus-Saboor I, Young L, Stuber G. Optogenetic stimulation of *Esr1*-expressing neurons in PVT reveals a putative neural substrate for out-group, but not in-group, aggression. ***Invited Panel Co-Chair & Presentation*.** (2022) American College of Neuropsychopharmacology. Phoenix, AZ, USA.

INVITED PRESENTATIONS

Steroid hormone-sensitive neurons in the paraventricular thalamus promote biased aggression. (2024) **UW Psychology Department Seminar**. Seattle, WA, USA.

Steroid hormone-sensitive neurons in the paraventricular thalamus enhance out-group, but not in-group, aggression in mice. (2023) **UW Be Boundless Neuroscience Seminar**. Seattle, WA, USA.

A potential role for paraventricular thalamus *Esr1*-expressing neurons promoting out-group, but not in-group, aggression. (2022) **Neurobiology of Addiction, Pain, & Emotion Research Seminar Series**. Seattle, WA, USA.

A potential role for paraventricular thalamus *Esr1*-expressing neurons promoting out-group, but not in-group, aggression. (2022) **UW Pharmacology Retreat Symposium**. Seattle, WA, USA.

Investigating the role of perineuronal nets in hippocampal and striatal plasticity. (2020) **Host: Dr. Mazen Kheirbek**. University of California, San Francisco. San Francisco, CA, USA.

Investigating the role of perineuronal nets in hippocampal and striatal plasticity. (2020) **Host: Dr. Talia Lerner**. Northwestern University. Chicago, IL, USA.

Investigating the role of perineuronal nets in hippocampal and striatal plasticity. (2019) **Host: Dr. Garret Stuber**. University of Washington, Seattle. Seattle, WA, USA.

Adult-born neurons promote perineuronal net expression surrounding hilar parvalbumin interneurons. (2019) **Princeton Neuroscience Institute Research Seminar**. Princeton, NJ, USA.

Investigating the role of perineuronal nets and striatal plasticity in autism spectrum disorder mouse models. (2018) **Princeton Cognitive Psychology Research Seminar Series**. Princeton, NJ, USA.

Effects of habit learning on medium spiny neurons and astrocytes in the dorsal striatum. (2016) **Princeton Cognitive Psychology Research Seminar Series**. Princeton, NJ, USA.

A potential role for astrocyte-neuron interactions in navigation strategies. (2015) **Princeton Cognitive Psychology Research Seminar Series**. Princeton, NJ, USA.

Effects of blocking adenosine in the dorsal striatum on behavioral impairment. *Senior Thesis Presentation.* (2014) **Initiative for Maximizing Student Diversity Research Symposium**. UCLA. Los Angeles, CA, USA.

POSTER PRESENTATIONS

Briones BA, Masputra N, Sakya D, Trzeciak M, Garret Z, Torres AE, Aluri PR, Oien R, Borrego M, Stuber GD. Steroid hormone-sensitive neurons in the paraventricular thalamus promote biased aggression. *Poster*. (2024) Gordon Research Conference in Optogenetics. Tuscany Il Ciocco, Lucca, Italy. ***Poster Award Winner***.

Briones BA, Masputra N, Sakya D, Trzeciak M, Garret Z, Torres AE, Aluri PR, Oien R, Borrego M, Stuber GD. Steroid hormone-sensitive neurons in the paraventricular thalamus promote biased aggression. *Poster*. (2024) BRAIN Initiative Meeting. Bethesda, MD, USA.

Briones BA, Trzeciak M, Torres AE, Oien R, Aluri PR, Borrego M, Stuber GD. Out-group aggression bias in mice is modulated by sex steroid-sensitive neurons in the paraventricular thalamus. *Poster*. (2023) UW Neuroscience Retreat. Seattle, WA, USA.

Briones BA, Torres AE, Trzeciak M, Borrego M, Oien R, Aluri PR, Stuber GD. Steroid hormone-sensitive neurons in the paraventricular thalamus enhance out-group, but not in-group, aggression in mice. *Poster*. (2023) BRAIN Initiative Meeting. Bethesda, MD, USA.

Briones BA, Torres AE, Trzeciak M, Borrego M, Oien R, Aluri PR, Stuber GD. Steroid hormone-sensitive neurons in the paraventricular thalamus enhance out-group, but not in-group, aggression in mice. *Poster*. (2023) Gordon Research Conference in Modulation of Neural Circuits & Behavior. Les Diablerets, CH, Switzerland.

Briones BA, Torres AE, Borrego M, Aluri PR, Siputro JR, Stuber GD. Optogenetic stimulation of Esr1-expressing neurons in PVT reveals a putative neural substrate for out-group, but not in-group, aggression. *Poster*. (2022) American College of Neuropsychopharmacology. Phoenix, AZ, USA.

Torres AE, **Briones BA**, Stuber GD. Characterizing out-group aggression in male mice. *Poster*. (2022) Society for Neuroscience. San Diego, CA, USA; UW Undergraduate Summer Research Symposium. Seattle, WA, USA.

Aluri PR, **Briones BA**, Siputro JR, Gradwell M, Simon RC, Abraira V, Stuber GD. Characterizing brain-wide neural activity across multiple pain models in mice. *Poster* (2022) SCAN Design Foundation Symposium. Seattle, WA, USA; UW Undergraduate Summer Research Symposium. Seattle, WA, USA.

Briones BA, Borrego M, Aluri PR, Siputro JR, Stuber GD. Sex steroid hormone-related genes in the paraventricular thalamus and their role in social behavior. *Virtual Poster*. (2022) BRAIN Initiative Meeting.

Briones BA, Aluri P, Hashikawa Y, Hashikawa K, Stuber GD. Sex hormone regulation of Lateral Habenula circuitry for reward processing. *Virtual Poster*. (2021) NIDA, NIAAA, NIMH Diversity Supplement Professional Development Workshop.

Briones BA, Pisano TJ, Haye AE, Diethorn EJ, Pitcher MN, Tawa EA, Lotito MJ, Cameron HA, Gould E. Mossy fibers from adult-generated neurons in the dentate gyrus are consistently associated with hilar interneurons surrounded by intense perineuronal nets. *Poster*. (2019) Society for Neuroscience. San Diego, CA, USA.

Briones BA, Pitcher MN*, Fleming WT*, Parel GT, Diethorn EJ, Haye AE, MacDowell CJ, Tawa EA, Zych AD, Buschman TJ, Gould E. Investigating the role of perineuronal nets and striatal plasticity in repetitive behaviors in mouse models of autism spectrum disorder. *Poster*. (2019) Gordon Research Conference in Modulation of Neural Circuits & Behavior. Les Diablerets, CH, Switzerland.

Fleming WT, **Briones BA**, Bolkan S, Lee J, Witten IB. Cholinergic interneurons mediate cell type-specific and non-specific plasticity onto nucleus accumbens medium spiny neurons. Poster. (2019) Gordon Research Conference in Modulation of Neural Circuits & Behavior. Les Diablerets, CH, Switzerland.

Tawa EA, **Briones BA**, Cope EC, Diethorn EJ, Murthy S, Gould E. Examining running-induced structural plasticity in the ventral hippocampus in relation to cognitive enhancement and anxiety regulation. *Poster*. (2019) Society for Neuroscience. San Diego, CA, USA.

Briones BA, Pitcher MN, Fleming WT, Diethorn EJ, Zych AD, Haye AE, Murthy S, Gould E. Perineuronal nets are increased on parvalbumin+ interneurons of the dorsomedial striatum in three mouse models of autism spectrum disorder. *Poster*. (2018) Society for Neuroscience. Chicago, IL, USA.

Briones BA, Tang VD, Haye AE, Gould E. Response learning stimulates dendritic spine growth on dorsal striatal medium spiny neurons. *Poster*. (2018) NTC Symposium: Dendritic Computation. Columbia University. Manhattan, NY, USA.

Briones BA, Tang VD, Haye AE, Gould E. Effects of response learning on medium spiny neurons and immature neurons in the dorsal striatum. *Poster*. (2017) Society for Neuroscience. Washington, DC, USA.

Briones BA, Tang VD, Haye AE, Gould E. (2017) Potential role of stress in the inhibitory effects of extended maze training on immature neurons in the dorsal striatum and hippocampus. *Poster*. Stress Meeting. Princeton, NJ, USA.

Verpeut J, Tao A, Badura A, Pereira TD, Tao L, Cope EC, **Briones BA**, Gould E, Wang SS-H. Disrupted Cerebellar Neural Activity in Development on Neocortical Dendritic Structure and Non-Motor Behaviors Results in Altered Neocortical Dendritic Morphology. *Poster*. (2017) Society for Neuroscience. Washington, DC, USA.

Briones BA, Gould E. Effects of response learning on medium spiny neurons and astrocytes in the dorsal striatum. *Poster*. (2016) Society for Neuroscience. San Diego, CA, USA.

Briones BA, Gould E. Effects of response learning on medium spiny neurons and astrocytes in the dorsal striatum. *Poster*. (2016) Federation of European Neurosciences Societies. Copenhagen, DK.

Brockett AT, **Briones BA**, Gould E. Pharmacogenetic manipulation of astrocyte Ca^{2+} signaling enhances astrocyte size and cognitive flexibility. *Poster*. (2016) Society for Neuroscience. San Diego, CA, USA.

Brockett AT, **Briones BA**, Gould E. Pharmacogenetic manipulation of astrocyte Ca^{2+} signaling enhances astrocyte size and cognitive flexibility. *Poster*. (2016) Federation of European Neurosciences Societies. Copenhagen, DK.

Briones BA, Plumb TN, Minor TR. Effects of blocking adenosine in the dorsal striatum on behavioral impairment. *Poster*. (2014) UCLA College of Letters & Sciences Undergraduate Research Conference. Los Angeles, CA, USA.

Briones BA, Plumb TN, Minor TR. Effects of blocking adenosine in the dorsal striatum on behavioral impairment. *Poster*. (2013) Society for Advancement of Chicanos and Native Americans in Science. San Antonio, TX, USA.

Briones BA, Stegal S, Joseph A, Minor TR. Prevention of learned helplessness by post-stress glucose consumption. *Poster*. (2013) UCLA Psychology Undergraduate Research Conference. Los Angeles, CA, USA.

RELATED ACADEMIC EXPERIENCES

University of Washington, Seattle

2024 — *NeuroHackademy:* Intensive neuroscience summer program focusing on building computational skills, big data analysis, reproducibility, data sharing, and hands-on application with participant-collected data.

2024 — *NAPE Light Sheet Imaging Workshop:* Intensive one-week program focusing on active tissue clearing techniques, imaging, pre-processing pipeline development, and data processing/image analysis.

2021 — *NAPE Calcium Imaging Workshop:* Intensive program focusing on deep-brain single and multi-photon functional imaging experimentation covering study design, behavior integration, surgical implantation, acquisition, and data processing/analysis.

Princeton University

2017 — *Neuroscience: from Molecules to Systems Laboratory Course with Dr. Alan Gelperin*: Intensive 15-week course designed to immerse students in hands-on experiments using a wide variety of model systems (*Aplysia californica*, *D. Melanogaster*, crayfish, *Calliphoridae*), electrophysiology techniques, and data analysis tools.

2017 — *PCCM Science Communication and Education Network workshop series:* Workshop based on the "Portal to the Public" NSF-funded method to build sci communication skills important for science outreach and engagement.

University of California, Los Angeles

2014 — *Comparative Psychobiology with Dr. Christopher A. Schmitt:* 10-week course designed for students to observe and quantify animal behavior at the Los Angeles Zoo. Final project: "Collective scouting behavior in *Suricata suricatta*"

SCIENTIFIC OUTREACH

2023–present — *Seattle Parks and Recreation: Bitter Lake Community Center, UW Pharmacology EDI Outreach Series*

2022–present — *UW Bio-STEP, Co-Organizer*: Interviewed and helped design an immersive summer research program for WA state undergraduates.

2021–present — *UW Pharmacology EDI Committee*

2021 — *North Seattle Boys & Girls Club Career Day, Speaker*

2020 — *Princeton University Research Focus Group*

2020 — Invited Panelist, *Fil-Am Paths to Neuroscience.* Virtual.

2019 — *Communications Director, Princeton University Graduate Student Government*

2019 — *Association of Filipino Scientists in America, Founding Member*

2015–2020 — *Princeton Graduate Women in Science and Engineering, Member & Event Coordinator*

2016 — *Science Fair Hopewell Elementary School, Judge*

2014 — *Latinx Graduate Student Association, Executive Board Member*

2013 — Panelist, *Taking A Stand Against Suicide*. UCLA.

2012–2014 — *American Heart Association CPR-First Aid, Public Relations Director & Instructor*

2012–2014 — *UCLA Student Wellness Commission, Executive Board Member*

2011–2014 — *Active Minds, Inc., UCLA Chapter, Director & Board Member*

RESEARCH STUDENTS MENTORED	2024	Alexandra Stearns (Gonzaga Summer Research Program Student '25)
	2024	Wendy Piñon-Teal (UW Neuroscience Rotation Ph.D. Student)
	2023	Marta Trzeciak (UW Pharmacology Rotation Ph.D. Student)
	2022–present	Nico Masputra (UW Neuroscience '26)
	2022–2024	Dechen Sakya (UW Biology '24)
	2022–2024	Raihana Oien (UW Psychology '23)
	2022–2023	Alondra Torres (UW Sociology & Psychology '23, McNair Research Fellow) Community Research Coordinator NAMI
	2021–2023	Prabhat Aluri (UW Mathematics '23) UW School of Medicine MD Student
	2021–2022	Jason Siputro (UW Biochemistry '22) Research Associate at Parse Biosci
	2021	Mar Borrego (UW Neuroscience Rotation Ph.D. Student)
	2018–2020	Miah Pitcher (Princeton Neuroscience '20 Senior Thesis Awardee), Ph.D. Candidate Neuroscience Berkeley
	2018–2019	Elizabeth Tawa (Princeton Neuroscience Rotation Ph.D. Student)
	2016–2019	Amanda Haye (Princeton Psychology '19), MD Donald & Barbara Zucker School of Medicine
	2016–2017	Vincent Tang (Princeton Neuroscience '19), Ph.D. Candidate Neurosci MIT
	2017	Uma Dieffenbach (Princeton Summer Research Program), MD UConn School of Medicine
	2017	Andrés Bermudez (Princeton Summer Research Program), Equipment Engineer at Illumina
PROFESSIONAL DEVELOPMENT	2024	*Attendee*, UW School of Medicine: Future Faculty Fellows Workshop
	2024, 2021–2022	*Attendee*, NAPE Professional Development: Postdoctoral Series
	2023	*Invited Panelist*, The Postdoc Experience. Undergraduate Professional Development Series. University of Washington, Seattle.
	2021	*Invited Panelist*, NAPE Graduate Student Professional Development Series. University of Washington, Seattle.
	2019	*Presenter*, Princeton Community Outreach Research Symposium
	2016, 2019, 2022, 2024	Ethics and the Responsible Conduct of Research Course

PROFESSIONAL MEMBERSHIPS

Synapse Women NYC
Latinx Graduate Alumni Association
UCLA Academic Advancement Program Alumni Network
Alpha Lambda Delta | Phi Eta Sigma Honors Society
Society for Advancement of Chicanos and Native Americans in Science
Society for Neuroscience
Association of Filipino Scientists in America