

CURRICULUM VITAE

Jessica Lynn Verpeut, Ph.D.

Arizona State University, Department of Psychology

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<https://verpeutlab.org/>

Research Interests

- 1) Cerebellar modulation of social and cognitive behavior.
- 2) The role of the cerebellum in shaping neural growth and maturation.
- 3) Machine learning analysis of neural networks and natural behavior.

Professional Positions

- 2021- Assistant Professor of Behavioral Neurosciences, College of Liberal Arts and Sciences, Department of Psychology, Arizona State University
- 2021- Assistant Clinical Professor, Department of Biomedical Sciences, Creighton University
- 2015-2021 Postdoctoral Research Fellow, Neuroscience Department, Princeton Neuroscience Institute, Princeton University. Mentor: Samuel S.-H. Wang, Ph.D.

Education

- 2015 Ph.D. **Endocrinology and Animal Biosciences**
Rutgers University, School of Environmental and Biological Sciences
Research advisor: Nicholas T. Bello, Ph.D.
Dissertation: "Neural Behavioral Outcomes of a Ketogenic Diet in *Engrailed-2* Null Male Mice."
- 2010 B.S. **Animal Science**
Pennsylvania State University, College of Agricultural Sciences
Research Advisor: Paul Bartell, Ph.D.
Project: "The Use of Adiponectin as an Indicator of Fat Stores in a Migratory Bird"
- 2010 B.S. **Psychology**
Pennsylvania State University, College of the Liberal Arts

Awards and honors

- 2023 Nancy Eisenberg Junior Faculty Scholar Award in Psychology
- 2023 The Robert B. Cialdini Junior Faculty Scholar Award
- 2016 NJ Commission on Brain Injury Research Fellow
- 2019 Princeton Research Day Poster Presentation Award
- 2014 Alltech Young Scientist Award, Rutgers University
- 2014 Research Diets Travel Award, Research Diets
- 2014 Animal Science Graduate Student Travel Award, Rutgers University
- 2013 Alltech Young Scientist Award, Alltech

2012 NJ Agricultural Experiment Station Award, Rutgers University
2011 The Animal Science Graduate Student Scholarship, Rutgers University

Sponsored Research

Current

Principal Investigator, Guidance of learning and reversal ability by neural complexity in cognitive-associated brain regions of juvenile and middle-aged mice. Arizona Alzheimer's Consortium Seed Funding; 2023-2024. Total direct costs: \$58,000.

Principal Investigator, Shaping social and cognitive behavior through cerebellar neural networks. Arizona State University. Institute for Mental Health Research; 2023-2024. Total direct costs: \$50,000.

Principal Investigator, Sex-dependent changes in learning and flexibility during aging in mice. Arizona State University. Arizona Alzheimer's Consortium Seed Funding; 2022-2023. Total direct costs: \$50,000.

Principal Investigator, Rethinking the little brain: Shaping cognitive and social development through cerebellar neural networks. Arizona State University. Institute for Social Science Research Seed Funding; 2022-2023. Total direct costs: \$8,000.

Completed External

Principal Investigator, Effects of cerebellar perturbation on neocortical adaptation to post-traumatic brain injury. Princeton University. NJ Commission on Brain Injury Research; 2016-2019. Total direct costs: \$201,744.

Publications

1. **Verpeut, J.L.**, Bergeler, S., Kislin, M., Townes, W.F., Klibaite, U., Dhanerawala, Z., Hoag, A., Jung, C., Lee, J., Pisano, T.J., Seagraves, K.M., Shaevitz, J.W. Wang, S.S.-H. Cerebellar contributions to a brainwide network for flexible behavior in mice. *Communications Biology*. *in press*.
2. Maturana, C.J., Chan, A., **Verpeut, J.L.** and Engel, E.A., 2022. Local and systemic administration of AAV vectors with alphaherpesvirus latency-associated promoter 2 drives potent transgene expression in mouse liver, kidney, and skeletal muscle. *Journal of Virological Methods*. p.114688. PMID: 36736702.
3. Maturana, C.J.*, **Verpeut, J.L.*** and Engel, E.A., 2022. Single-Cell Quantification of Triple-AAV Vector Genomes Coexpressed in Neurons. *Current Protocols*, 2(5), p.e430. PMID: 35616444. *denotes co-first author
4. Pisano, T.J., Hoag, A.T., Dhanerawala, Z.M., Guariglia, S.R., Jung, C., Boele, H.J., Seagraves, K.M., **Verpeut, J.L.** and Wang, S.S.H., 2022. Automated high-throughput mouse transsynaptic viral tracing using iDISCO+ tissue clearing, light-sheet microscopy, and BrainPipe. *STAR protocols*, 3(2), p.101289. PMID: 35496792.
5. Klibaite, U., Kislin, M., **Verpeut, J.L.**, Sun, X., Shaevitz, J.W. and Wang, S.S.H., 2022. Deep phenotyping reveals movement phenotypes in mouse neurodevelopmental models. *Molecular Autism*, 13(12). PMID: 35279205.
6. Wiersielis, K., Yasrebi, A., Ramirez, P., **Verpeut J.L.**, Regan, D., Roepke, T.A. 2021. The influence of estrogen receptor α signaling independent of the estrogen response element on avoidance behavior, social interactions, and palatable ingestive behavior in

- female mice. *Hormones and Behavior*, 136.PMID: 34749278.
7. Pisano, T.J, Dhanerawala, Z.M., Kislin, M., Bakshinskaya, D., Engel, E.A., Lee, J., Venkataraju, K.U., **Verpeut, J.L.**, and Wang, S.S.-H. 2021. Homologous organization of cerebellar pathways to sensory, motor, and associative forebrain. *Cell Reports*, 36 (12), 109721. PMID: 34551311.
 8. Maturana, C.J., **Verpeut, J.L.**, Kooshkbaghi, M., and Engel, E.A., 2021. Novel tool to quantify with single-cell resolution the number of incoming AAV genomes co-expressed in the mouse nervous system. *Gene Therapy*, pp.1-6. PMID:34176926.
 9. Maturana, C.J, **Verpeut, J.L.**, Pisano, T.J., Dhanerawala Z.M., Esteves, A., Enquist L.W., and Engel E.A. 2020. Small alphaherpesvirus latency-associated promoters drive efficient and long-term transgene expression in the central nervous system. *Molecular Therapy-Methods and Clinical Development*, 17, 843 – 857. PMID: 32368565.
 10. Zanin, J, **Verpeut, J.L.**, Li, Y., Shiflett, M.W., Wang, S.S.H., Santhakumar, V. and Friedman, W.J., 2019. The p75NTR influences cerebellar circuit development and adult behavior via regulation of cell cycle duration of granule cell progenitors. *Journal of Neuroscience*, pp.0990-19. PMID: 31582529.
*chosen as cover for November 13th issue
 11. Badura, A., **Verpeut, J.L.**, Metzger, J.W., Pereira, T.D., Pisano, T.J., Deverett, B., Bakshinskaya, D.E. and Wang, S.S., 2018. Normal cognitive and social development require posterior cerebellar activity. *eLife*, 7, p.e36401. PMID: 30226467.
 12. Oni, E.N., Halikere, A., Li, G., Toro-Ramos, A.J., Swerdel, M.R., **Verpeut, J.L.**, Moore, J.C., Bello, N.T., Bierut, L.J., Goate, A. and Tischfield, J.A., 2016. Increased nicotine response in iPSC-derived human neurons carrying the CHRNA5 N398 allele. *Scientific reports*, 6, p.34341. PMID: 27698409.
 13. **Verpeut, J.L.**, DiCicco-Bloom, E. and Bello, N.T., 2016. Ketogenic diet exposure during the juvenile period increases social behaviors and forebrain neural activation in adult *Engrailed 2* null mice. *Physiology and behavior*, 161, pp.90-98. PMID: 27080080.
 14. Gotthardt, J.D., **Verpeut, J.L.**, Yeomans, B.L., Yang, J.A., Yasrebi, A., Roepke, T.A. and Bello, N.T., 2015. Intermittent fasting promotes fat loss with lean mass retention, increased hypothalamic norepinephrine content, and increased neuropeptide Y gene expression in diet-induced obese male mice. *Endocrinology*, 157(2), pp.679-691. PMID: 26653760.
 15. Bello, N.T., Walters, A.L., **Verpeut, J.L.** and Caverly, J., 2014. Dietary-induced binge eating increases prefrontal cortex neural activation to restraint stress and increases binge food consumption following chronic guanfacine. *Pharmacology Biochemistry and Behavior*, 125, pp.21-28. PMID: 25158105.
 16. **Verpeut, J.L.** and Bello, N.T., 2014. Drug safety evaluation of naltrexone/bupropion for the treatment of obesity. *Expert opinion on drug safety*, 13(6), pp.831-841. PMID: 24766397.
 17. Bello, N.T., Yeh, C.Y., **Verpeut, J.L.** and Walters, A.L., 2014. Binge-like eating attenuates niooxetine feeding suppression, stress activation, and brain norepinephrine activity. *PloS One*, 9(4), p.e93610. PMID: 24695494.
 18. **Verpeut, J.L.**, Walters, A.L. and Bello, N.T., 2013. Citrus aurantium and Rhodiola rosea in combination reduce visceral white adipose tissue and increase hypothalamic norepinephrine in a rat model of diet-induced obesity. *Nutrition research*, 33(6), pp.503-

512. PMID: 23746567.
19. Bello, N.T., Walters, A.L., **Verpeut, J.L.** and Cunha, P.P., 2013. High-fat diet-induced alterations in the feeding suppression of low-dose nisoxetine, a selective norepinephrine reuptake inhibitor. *Journal of Obesity*, 2013. PMID: 23431425.
 20. Stuber, E.F., **Verpeut, J.**, Horvat-Gordon, M., Ramachandran, R. and Bartell, P.A., 2013. Differential regulation of adipokines may influence migratory behavior in the white-throated sparrow (*Zonotrichia albicollis*). *PLoS One*, 8(6), p.e59097. PMID:23785393.

Published Abstracts

1. Bergeler, S., Klibaite, U., **Verpeut, J.**, Wang, S. and Shaevitz, J., 2021. Behavioral quantification of freely moving mice. Bulletin of the American Physical Society.
2. Klibaite, U., **Verpeut, J.**, Kislin, M., Wang, S. and Shaevitz, J., 2019. Unsupervised Classification of Behavior for Open Field Mouse Recordings. In APS March Meeting Abstracts (Vol. 2019, pp. B65-002).
3. Gotthardt, J., **Verpeut, J.**, Yeomans, B., Roepke, T. and Bello, N., 2015. Intermittent Fasting of High-Fat Diet Increases Hypothalamic Norepinephrine and Improves Metabolic Parameters in Obese Mice. *The FASEB Journal*, 29, p.LB231.
4. Bello, N.T., Yeh, C.Y., **Verpeut, J.L.** and Walters, A.L., 2014. Binge-Like Eating Attenuates Nisoxetine Feeding Suppression. *Stress Activation, and Brain*.

Manuscripts Under Review

1. Suriano, C.M., **Verpeut, J.L.**, Kumar, N., Ma, J., Jung, C. and Boulanger, L.M., 2021. Adeno-associated virus (AAV) reduces cortical dendritic complexity in a TLR9-dependent manner. *bioRxiv*. doi: <https://doi.org/10.1101/2021.09.28.462148>

Invited Talks and Paper Presentations

1. **Verpeut, J.L.** (2023, November). Critical periods of development in cerebellar-mediated cognitive and social behavior. Invited speaker for the Society of Neuroscience Conference, Washington, D.C.
2. **Verpeut, J.L.** (2023, August). Investigation of cerebellar critical periods on neocortical circuits and behavior. Invited speaker for the Cerebellar Gordon Research Conference, Lewiston, ME.
3. Nelson, M., **Verpeut, J.L.** (2022, September). Comparison of two paradigms to analyze social behavior in adolescent mice using machine learning. Lightning talk accepted for BioSci Southwest Symposium, Tempe, AZ.
4. **Verpeut, J.L.** (2021, November). Brain-wide cerebellar contributions to cognitive behavior. Invited virtual speaker at University of Arizona, AZ.
5. **Verpeut, J.L.** (2021, April). Cerebello-cortical circuits in flexible behavior. Invited virtual keynote speaker at AZPURC, Arizona State University, AZ.
6. **Verpeut, J.L.** (2021, February). Brain-wide cerebellar circuit contributions to flexible behavior. Invited virtual speaker at the School of Life Sciences Seminar Series, Arizona State University, AZ.

7. **Verpeut, J.L.** (2021, January). Cerebellar contributions to behavior through a brainwide network. Invited virtual speaker at the Behavioral Neuroscience Seminar Series, Arizona State University, AZ.
8. **Verpeut, J.L.** (postponed due to COVID-19 pandemic). Cerebellar contributions to flexible behavior through brainwide networks. Invited talk at the Cerebellum Gordon Research Conference, Bates College, Lewiston, ME.
9. **Verpeut, J.L.** (2020, January). Cerebellar contributions to a brainwide network for flexible behavior. Invited speaker at PDC Seminar Series, Princeton University, Princeton, NJ.
10. **Verpeut, J.L.** (2019, February). Cerebellar influence on neocortical spines and flexible Behavior. Invited poster presenter at the Neuronal Circuits in Motor Behavior workshop. OIST, Okinawa, Japan.
11. **Verpeut, J.L.** (2018, October). The cerebellum, brain maturation, and flexible behavior. Invited speaker at Pennsylvania State University, State College, PA.
12. **Verpeut, J.L.** (2018, October). Local and long-distance effects of cerebellar perturbation on brain circuits and behavior. Invited speaker at the Molecular Biology Department Retreat, Princeton, NJ.
13. **Verpeut, J.L.** (2018, May). Cerebellar developmental influences on nonmotor sensitive periods. Invited speaker at the Princeton Neuroscience Retreat, Avalon, NJ.
14. **Verpeut, J.L.** (2018, February). Sensitive Periods and the cerebellum. Invited speaker at the Nancy Laurie Marks Family Foundation meeting, Boston, MA.
15. **Verpeut, J.L.** (2017, May). Cerebellar modulation of neocortical dendritic spine plasticity. Invited speaker at the Developmental Neuroscience Journal Club, Princeton University, NJ.
16. **Verpeut, J.L.** (2013, April). Effects of a ketogenic diet on the neural behavioral outcomes of autistic-like behaviors in Engrailed-2 knockout mice. Invited speaker at the Nutrition, Endocrinology and Animal Biosciences Graduate Student Conference, Rutgers University, NJ.

Select Poster Presentations at Professional Conferences

*received presentation award

1. Lyle, T., Akshita, V., Espinoza, J., **Verpeut, J.L.** (2022, November). Modulation of cognitive behavior by the deep cerebellar nuclei in juvenile life. Poster accepted for SFN annual conference, San Diego, CA.
2. Boele, H.-J., Sefik, E., Jung, C., Lynch, L.A., Pacuku, D., Testerman, M., Guariglia, S., **Verpeut, J.L.**, Wang, S. S.-H. (2022, November). Scalable dynamics of synaptic growth in mammalian neocortex. Poster accepted for SFN annual conference, , San Diego, CA.
3. Lyle, T., Truong, V., Bowser, S., Bimonte-Nelson, H., **Verpeut, J.L.** (2022, September). Sex-dependent changes in learning and flexibility during aging in mice. Poster accepted for Arizona Alzheimer's Consortium Annual Conference, Tempe, AZ.
4. Nelson, M., **Verpeut, J.L.** (2022, April). Understanding the Role of Machine-Learning Algorithms in Classifying Animal Behavior. Poster accepted for Arizona Psychology Undergraduate Research conference, Tempe, AZ.
5. Lyle, T., Shipley, S., Espinoza, J., **Verpeut, J.L.** (2021, November). Developmental contribution of dentate nuclei in flexible cognitive behavior. Poster accepted for SFN annual conference, Virtual.

6. Boele, H.-J., Jung, C., Lynch, L.A., Pacuku, D., Testerman, M., Guariglia, S., **Verpeut, J.L.**, Wang, S. S.-H. (2021, November). Comprehensive meta-analysis reveals a general cross-species timescale for neocortical synaptic development. Poster accepted for SFN annual conference, Virtual.
7. **Verpeut, J.L.**, Klibaite, U., Kislin, M., Shaevitz, J.W., Wang, S. S.-H. (2019, November). Behavioral effects of the DREADD agonist clozapine-N-oxide (CNO) revealed by computational analysis of free animal movement. Poster accepted for SFN annual conference, Chicago, IL.
8. Suriano, C.M., **Verpeut, J.L.**, Boulanger LM. (2019, November). Adeno-associated virus (AAV) persistently alters cortical expression of immune genes that can regulate circuit structure and function. Poster accepted for SFN annual conference, Chicago, IL.
9. **Verpeut, J.L.**, Pisano, T.J., Dhanerawala, Z.M., Lee, J., Wang, S. S.-H. (2019, July). Understanding cerebellar lobule VI guidance of behavior through whole-brain mapping. Poster accepted for Cerebellar Gordon Research Conference, Les Diablerets, Switzerland.
10. **Verpeut, J.L.**, Pisano, T.J., Klibaite, U., Kislin, M., Matl, C., Pereira, T.D., Badura, A.M., Shaevitz, J.W., Wang, S. S.-H. (February, 2019). Cerebellar Influence on Neocortical Spines and Flexible Behavior. Invited poster presentation at Neuronal Circuits in Motor Behavior, OIST workshop, Okinawa, Japan.
11. **Verpeut, J.L.**, Pisano T., Willmore L., Kislin M., Tao L., Pacuku D., Badura A., Wang SS.-H. (November 2018). Regulation of flexible learning, social interaction, and whole-brain cellular activity by lobule VI of posterior vermis. Poster accepted for SFN annual conference, San Diego, CA.
12. Willmore L., Kislin M., **Verpeut J.L.**, Pisano T., Cho BC, Pereira T.D., Aldarondo D.E., Ravindranath S., Murthy M., Shaevitz J., Wang SS.-H. (November 2018). Automated video-based clustering of mouse posture reveals individualized behavioral dynamics. Poster accepted for SFN annual conference, San Diego, CA.
13. **Verpeut J.L.**, Tao A., Badura A., Pereira T., Tao L., Cope E., Briones B., Gould E, Wang SS.-H. (November 2017). Prefrontal dendritic structure and normal social preference requires cerebellar input in juvenile life. Poster accepted for SFN annual conference, Washington D.C.
14. Pisano T.J., Kislin M., Bakshinskaya D., Deivasigamani S., Deverett B., Badura A., **Verpeut J.L.**, Engel E.A., Enquist L.W., Wang SS.-H. (November 2017). Combined transsynaptic tracing and activity mapping of cerebellum-to-forebrain pathways. Poster accepted for SFN annual conference, Washington D.C.
15. **Verpeut J.L.**, Tao A, Hildreth C., Cope E.C., Briones B.A., Gould E., Wang SS.-H. (November 2016). Effects of disrupted cerebellar activity on dendritic development at distal neocortical sites. Poster accepted for SFN annual conference, San Diego, CA.
16. Badura A., Metzger J., Pereira T.D., Deverett B., Pisano T.J., Koay S.A., Tank D.W., Brody CD, **Verpeut J.L.**, Wang SS.-H. (November 2016). Disruption of cerebellar activity causes autism-like mature phenotypes. Poster accepted for SFN annual conference, San Diego, CA.
17. Badura A., Bakshinskaya D.E., Bialek W., Brody C.D., Constantinople C.M., Deverett B., Engelhard B., Finkelstein J., Kislin M., Koay S.A., Nieh E., Pillow J., Pinto L., Pisano T.J., Scott B.B., Seung S., Rajan K., Tank D.W., Thiberge S.Y., **Verpeut J.L.**, Wang S.S.-H., Witten I.B. (December 2016). Mechanisms of neural circuit dynamics in working memory. Invited poster for annual BRAIN Initiative Investigators Meeting, North Bethesda, MD.

18. Badura A., Metzger J., Devereett B., Koay S.A., **Verpeut J.L.**, Tank D., Wang S.S.-H. (October 2015). Lobule- and development- specific contribution of cerebellum to executive functions in mice. Poster accepted for SFN annual conference, Chicago, IL.
19. **Verpeut J.L.**, Walters A., DiCicco-Bloom E., Bello N.T. (March 2014). Effects of a ketogenic diet on social outcomes in Engrailed-2 null mice. Invited poster for Center for Sensory Sciences and Innovation- National Science Foundation Planning Workshop, Rutgers University, NJ.
20. **Verpeut J.L.**, Walters A., DiCicco-Bloom E., Bello N.T. (July 2014). Effects of a ketogenic diet on social outcomes in Engrailed-2 null mice. Poster accepted for annual Society for the Study of Ingestive Behavior conference, Seattle, WA.
21. **Verpeut J.L.**, Walters A., Bello N.T. (September 2012). Central Norepinephrine Involvement in Dietary-Induced Binge Eating. Poster accepted for Obesity Society annual conference, San Antonio, TX.
22. ***Verpeut J.L.**, Walters A., Bello N.T. (September 2012). Central Norepinephrine Involvement in Dietary-Induced Binge Eating. Poster entered in NJAES Student Poster Competition, Rutgers University, NJ.
23. **Verpeut J.L.**, Walters A., Bello N.T. (September 2011). Effects of adolescent dietary exposure on adult feeding behavior in rats. Poster accepted for Pioneers in Endocrinology Workshop: Nutrition and Metabolic Health, Rutgers University, NJ.
24. **Verpeut J.L.**, Bello N.T. (April 2011). Dietary Influences on Feeding Behavior during Adolescence in Rats. Poster accepted for Nutrition, Endocrinology and Animal Biosciences Graduate Student Conference, Rutgers University, NJ.
25. ***Verpeut J.L.**, Bartell PA. (April 2010). The Use of Adiponectin as an Indicator of Fat Stores in a Mangratory Bird. Poster accepted for Undergraduate Research Exhibition, Pennsylvania State University, PA.

Teaching Experience

Arizona State University, Department of Psychology

*Indicates a new course preparation

Course number: NEU 325
 Course title: Biopsychology
 Semester taught: Fall 2023
 Enrollment: 50 undergraduate students

Course number: NEU 498
 Course title: The Social Brain*
 Semester taught: Fall 2022

Course number: PSY 591
 Course title: Behavioral Neuroscience Seminar Series
 Semester taught: Fall 2021, Spring 2022, Fall 2022, Spring 2023

Course number: PSY 400/PSY 591/NEU 591
 Course title: Neurobiology of Social Behavior*
 Semester taught: Spring 2021, Spring 2022, Spring 2023

Creighton University, Phoenix Arizona

Course number: CIB109
Course title: Neuroscience block
Semester taught: Spring 2022

Princeton University

Course number: MOL 350
Course title: Junior Tutorial*
Semester taught: Fall 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019

Course number: MOL 214
Course title: Introduction to Cellular and Molecular Biology
Semester taught: Spring 2016, Spring 2017

Course number: MOL 451
Course title: Genes, Brain, and the Human Mind
Semester taught: Spring 2016

Rutgers, The State University of New Jersey

Course number: 220
Course title: Animal Nutrition Lab*
Semester taught: Fall 2011, Fall 2012, Fall 2013, Fall 2014, Fall 2015

Course number: 430
Course title: Animal Microtechniques and Tissue Culture
Semester taught: Spring 2011, Spring 2012, Spring 2013, Spring 2014, Spring 2015

Mentoring

Graduate Students

Alexandria Melick, 2023-present
Olivia Law, 2022-present
Tristan Lyle, 2021-present

Master's Thesis, Comprehensive Examinations, and Dissertations

BNCP: Behavioral Neuroscience Comparative Psychology

Chair

Alexandria Melick	Dissertation (BNCP), anticipated 2028
	Comprehensive Examination (BNCP), anticipated 2025
Olivia Law	Dissertation (BNCP), anticipated 2027
	Comprehensive Examination (BNCP), anticipated 2024

Member	Tristan Lyle	Dissertation (BNCP), anticipated 2026 Comprehensive Examination (BNCP), anticipated 2023
	Gradi Bamfonga	Dissertation (BNCP), anticipated 2027 Comprehensive Examination (BNCP), 2023
	Samantha Bartholomew	Dissertation (BNCP), anticipated 2027 Comprehensive Examination (BNCP), 2023
	Anamarie Johnson	Dissertation (BNCP), anticipated 2024 Comprehensive Examination (BNCP), 2022
	Dylan Peay	Dissertation (BNCP), anticipated 2023 Comprehensive Examination (BNCP), 2021
	Rachel Gilchrist	Dissertation (BNCP), anticipated 2023 Comprehensive Examination (BNCP), 2021

Undergraduate Honor's Theses (Chair, 3 theses)

Jaime Farrington, 2024 (Neuroscience at ASU)

Megan Nelson, 2024 (Psychology at ASU)

Katherine Koch, 2023 (Psychology at ASU)

"Deep Learning Examination of Social Behavior in a Foraging Paradigm"

Marina Ittner, 2023 (Psychology and Neuroscience at ASU)

"Cerebellar Mediation of the Effects of Isolation on Social Behavior"

Undergraduate Honor's Theses (Reader)

Carter Bower, 2023 (Psychology at ASU)

Undergraduate Laboratory Volunteers

Jeanne Kamau, 2027 (Engineering at ASU)

Lavanyaa Gupta, 2026 (Neuroscience and Data Science at ASU)

Kendall Christiansen, 2025 (Biology at ASU)

Aubrey Pinteric, 2025 (Biological Sciences and Psychology at ASU)

Lori Abbas, 2025 (Psychology at ASU)

Vincent Truong, 2025 (Psychology and Biochemistry at ASU)

David Lukacik, 2025 (Neuroscience at ASU)

Henrique Vieira, 2025 (Neuroscience at ASU)

Nazareth Salgado, 2025 (Neuroscience at ASU)

Giselle Quezada, 2024 (Biological sciences at ASU)

Makaela Ross, 2024 (Neuroscience at ASU)

Carlos Quintero, 2024 (Neuroscience at ASU)

Jaime Farrington, 2024 (Neuroscience at ASU)

Daniel Chambers, 2023 (Neuroscience at ASU)

Summer Ahmed, 2023 (Biological sciences at ASU)

Andrea Trinh, 2022 (Forensic psychology at ASU)

High school Laboratory Volunteers

Shania Kohli, Summer 2021 (Hamilton High School)

Professional Service

Memberships

Society for Neuroscience, Faculty for Undergraduate Neuroscience

Editorial Board Member

Brain Research, Frontiers in Computational Neuroscience

Guest Editor

JoVE methods collection: "Current methods for determining the role of climbing fibers in cerebellar function"

Reviewer

Brain Research, Physiology and Behavior, Neuroscience and Biobehavioral Reviews, Cell Press: Heliyon

Committee Service

Graduate College's Gastwirth Graduate Student Loan Fellowship Program, 2023

Interdisciplinary Graduate Neuroscience Program, 2022-2023

Neuroscience Lecturer hire search committee, 2022-2023

Cross-area talks committee member, 2022-2023

Post-doc search committee for Kelsey Lucca, 2022

Junior-Faculty Upward Mobility in Psychology (JUMP), 2022-

Behavioral Neuroscience and Comparative Psychology graduate search committee, 2021-

Community Service

ASU Prep Digital guest lecturer, Fall 2022

AZ ADRC Junior Fellowship Workshop, Fall 2022

ASU Fall welcome presentation for Neuroscience research, Fall 2021

ASU Early-start program lab participant, Fall 2021, 2022

Faculty volunteer for ASU Undergraduate Research and Trivia night, March 2022

Hosted Arthur Morgan School from North Carolina for Neuroscience workshop, March 2022

Skype a Scientist, 2018-2022

Mentor with the Give Something Back Foundation, 2018-2021

Member of Princeton Neuroscience Outreach, 2018-2020

Young Women in Science Conference at Princeton University, 2018-2019

North East Student Affiliation annual competition, 2013 and 2018

Graduate Student Conference (NEAB), 2010-2015

Graduate Student Treasurer, 2012-2013

Certifications

ACUE Microcredential in Creating an Inclusive and Supportive Learning Environment

Select Media Coverage

"Workshop introduces high school students to Alzheimer's research: ASU Department of Psychology, Alzheimer's Disease Research Center host Behavioral Neuroscience Workshop" by

Robert Ewing. (September 13th, 2022). *ASU News*.

"Dr. Jessica Verpeut on an unexpected role for the cerebellum in social and cognitive behavior" by Dr. Nancy Padilla-Coreano. (June 8th, 2022). podcast: *Stories of WiN*.

"A brain road trip: Exploring the neural map: High schoolers receive hands-on training from neuroscience faculty during spring break" by Robert Ewing. (March 14, 2022). *ASU News*.

"ASU Psi Chi to host undergraduate research conference this spring: Submissions are now being accepted for student-run conference that expands opportunity for undergraduate psychology researchers" by Robert Ewing. (March 10, 2021). *ASU News*.

"More than a 'little brain': ASU professor works to understand how the cerebellum contributes to behavior, development" by Kimberlee D'Ardenne. (December 10, 2020). *ASU News*.