Meghan E. Gallo
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Department of Psychiatry, Department of Molecular Pharmacology & Therapeutics, Columbia University
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EDUCATION AND TRAINING

2016	BA in Psychology; *cum laude*, Providence College, Providence, RI (Research Advisors: Drs. Christopher Bloom, Pamela Snodgrass-Belt)
2016-2023	PhD (Thesis Advisors: Drs. Kevin Bath, Michael Frank; Mentors: Drs. Christopher Moore, Arif Hamid) in Cognitive, Linguistic and Psychological Sciences, Brown University, Providence, RI.
2022-2023	Consultant/visiting student at Columbia University, New York, NY
2022-2023	Volunteer at New York State Psychiatric Institute, New York, NY

EMPLOYMENT

2023-Present	Postdoctoral Researcher at Columbia University Irving Medical Center, New York, NY

AWARDS/HONORS

2022	Travel Award for International Society for Developmental Psychobiology
2022	Brown University Graduate Student Travel Award
2021	Travel Award for International Society for Developmental Psychobiology
2021	Brown University Graduate Student Travel Award
2017	Travel Award for International Society for Developmental Psychobiology
2016	Lifespan Poster, Honorable Mention
2012-2016	Providence College Albertus Magnus Science Scholarship
2014-2016	Research Honor Society (Sigma Xi)
2015-2016	Psychology Honor Society (Psi Chi)
2016	Premedical Honor Society (Alpha Epsilon Delta)
2015-2016	Providence College Dean's List

PUBLICATIONS

Demaestri, C., **M. Gallo**, E Mazenod, AT Hong, H Arora, AK Short, HS Stern, T.Z. Baram, K.G. Bath. (2022). "Resource Scarcity But Not Maternal Separation Provokes Unpredictable Maternal Care Sequences in Mice and Both Upregulate Crh-Associated Gene Expression in the Amygdala". *Neurobiology of Stress* 20, 100484.

Demaestri, C., T. Pan, M. Critz, D. Ofray, **M. Gallo**, K.G. Bath. (2020). "Type of early life adversity confers differential, sex-dependent effects on early maturational milestones in mice". *Hormones and behavior* 124, 104763.

Gallo, M., D. Shifler, L. Godoy, D. Ofray, A. Olaniyan, T. Campbell, K. G. Bath. (2019). "Limited bedding and nesting induces maternal behavior resembling both hypervigilance and abuse". *Frontiers in behavioral neuroscience* 13.

Goodwill, H., G. Manzano-Nieves, **M. Gallo**, H. Lee, E. Oyerinde, T. Serre, K. Bath. (2019). "Early life stress leads to sex differences in the development of depressive-like outcomes in mouse model". *Neuropsychopharmacology 44* (4), 711.

Manzano-Nieves, G., A. Nitenson, **M. Gallo**, K.G. Bath (2018). "Impact of early life stress on sexual maturation and variation in anxiety-like behavior over the estrous cycle in female mice". *Frontiers in Molecular Neuroscience* 12(27).

Manzano-Nieves, G., M. Gaillard, **M. Gallo**, and Bath, K.G. (2018). Early life stress increases foot-shock sensitivity threshold in both adult male and female mice. *Behavioral Neuroscience* 132(*4*):247-57.

Bath, K.G., A. Schilit Nitenson, E. Lichtman, C. Lopez, W. Chen, **M. Gallo**, H. Goodwill, G. Manzano-Nieves. (2017). "Early life stress leads to developmental and sex selective effects on performance in a novel object placement task". *Neurobiology of Stress* 7: 57-67.

GRANTS

2021-2023   NIH- 1F31DA053088-01A1. "Early life adversity amplifies behavioral opportunism by altering striatal dopamine signaling". (PI: **Gallo**)

2015   Rhode Island IDeA Networks of Biomedical Research Excellence (RI-INBRE) Summer Undergraduate Research. "Genetic association of GABRG2 and body dysmorphic disorder in a mouse model".

2014   Providence College Undergraduate Research Grant. "The circadian role of light and food presentation on behavioral and physiological outcomes in Fischer rats". (PI: **Gallo**)

SCIENTIFIC LEADERSHIP, COMMUNICATION AND COMMUNITY OUTREACH

2017-2019   *Graduate Women in Science and Engineering (GWISE), Outreach Coordinator*
Facilitating outreach events fostering connections to local community to empower women and girls in science. Coordinated with local schools and non-profits to host events introducing middle school age students to science research.

2017-2019   *Young Scholars Conference Planning Team, Chair*
Organized conference with Brown University's Office of Institutional Equity and Diversity to prepare graduate and post-doctoral women underrepresented genders in STEM for the job market in industry and academia. Organized events at the conference, recruited participants, reviewed applicants, and invited speakers. Memorialized efforts with a documentation for future conferences. Consulted on conferences of this nature in subsequent years.

INVITED TALKS AND LECTURES

"Stress-induced blunting of motivational processes across the lifespan". Pavlovian Society. September 2023.

"Meta-learning under uncertainty: Early life adversity disrupts reward learning and decision making". Liston Lab Meeting, Weill Cornell University. December 2022.

"Meta-learning under uncertainty: Early life adversity disrupts reward learning and decision making". Kellendonk Lab Meeting, Columbia University/New York State Psychiatric Institute. November 2022.

"Exposure to early life adversity disrupts mechanisms of reward learning and decision making in mice". Lerner Lab Meeting, Northwestern University. March 2022.

"Exposure to early life adversity disrupts mechanisms of reward learning and decision making in mice". Cognition Seminar, Brown University. February 2022.

"Exposure to early life adversity disrupts mechanisms of reward learning and decision making in mice". Winter Conference for Brain Research, Aspen, Colorado. February 2022.

"Exposure to early life adversity disrupts reward processing in mice". Gee-Brenhouse-Pena-Bath Joint Lab Meeting. December 2021.

"Approaches to assessing reward motivated behaviors". Experimental Biological Psychology, Providence College. Invited Lecture May 2021.

"Effects of early life adversity on reward motivated behaviors". Brenhouse Lab, Northeastern University. April 2021.

"Early life adversity is not a monolithic experience". Developmental Neuroscience Group, New York University. January 2021.

"Effects of early life adversity on mechanisms of reward learning and decision making". Lee Lab, Weill Cornell. August 2020.

"The effects of early life adversity on reward seeking". Developmental Joint Lab Meeting. New York Psychiatric Institute. May 2020.

"Characterizing a mouse model of early life adversity". Rhode Island College. Invited Lecture. April 2018.

PROFESSIONAL PRESENTATIONS

Gallo, M., A.A. Hamid, A. Jaskir, T. Pan, D. Ofray, M.J. Frank, C.I. Moore, K.G. Bath (2022) "Early life adversity slows reinforcement learning and disrupts optimal decision making in adult mice". Society for Neuroscience*, San Diego, CA*.

Gallo, M., A.A. Hamid, A. Jaskir, T. Pan, D. Ofray, M.J. Frank, C.I. Moore, K.G. Bath (2022) "Early life adversity slows reinforcement learning and disrupts optimal decision making in adult mice". International Society for Developmental Psychobiology*, San Diego, CA*.

Gallo, M., A.A. Hamid, A. Jaskir, T. Pan, D. Ofray, M.J. Frank, C.I. Moore, K.G. Bath (2022) "Early life adversity slows reinforcement learning and disrupts optimal decision making in adult mice". Computational Psychiatry Course, *New York, NY.*

Gallo, M., A.A. Hamid, A. Jaskir, T. Pan, D. Ofray, M.J. Frank, C.I. Moore, K.G. Bath (2022) "Mouse model of early life adversity alters reinforcement learning and strategies for decision making". *RLDM, Providence, RI.*

Gallo, M., A.A. Hamid, A. Jaskir, T. Pan, D. Ofray, M.J. Frank, C.I. Moore, K.G. Bath (2022) "Mouse model of early life adversity alters reinforcement learning and strategies for decision making". *Stress Neurobiology Workshop, Columbia, SC.*

Gallo, M., A.A. Hamid, A. Jaskir, T. Pan, D. Ofray, M.J. Frank, C.I. Moore, K.G. Bath (2022) "Early life adversity diminishes reward sensitivity and slows reinforcement learning in mice". *Winter Conference for Brain Research, Aspen, CO.*

Gallo, M., A.A. Hamid, A. Jaskir, T. Pan, D. Ofray, M.J. Frank, C.I. Moore, K.G. Bath (2021) "Early life adversity alters reward learning and decision making mechanisms in mice". *International Society for Developmental Psychobiology, Chicago.*

Gallo, M., A.A. Hamid, A. Jaskir, T. Pan, D. Ofray, M.J. Frank, C.I. Moore, K.G. Bath (2021) "Early life adversity alters reward learning and decision making mechanisms in mice". *Society for Neuroscience, Chicago.*

Gallo, M., A.A. Hamid, D. Ofray, D. Shleifer, E. Hrabachuk, , K.G. Bath (2019) "The effects of early life adversity on instrumental reward learning". *Society for Neuroscience, Chicago.*

Gallo, M., A.A. Hamid D. Ofray, D. Shleifer, E. Hrabachuk, K.G. Bath (2019) "The effects of early life adversity motivational vigor and striatal dopamine functioning in a mouse model". *Pavlovian Society.*

Gallo, M., T. Campbell, A. Olaniyan, K. Bath. (2018). The effects of early life stress on central and peripheral immune development in male and female mice. *Society for Neuroscience. San Diego.*

Gallo, M. H. Goodwill, K. Bath. (2018). "The effects of early life stress on striatal dopamine and depressive-like behavior*". International Society for Developmental Psychobiology. San Diego.*

Gallo, M., Olaniyan, A., Godoy, L., Campbell, T., and Bath, K.G. (2018). Early life stress in a mouse model: An in-depth analysis of the limited bedding paradigm and its outcomes. *FLUX. Berlin.*

Gallo, M., A. Olaniyan, T. Campbell, K. G. Bath. (2017) "Early life stress: In depth analysis of maternal behavior in response to limited bedding". *Society for Neuroscience, Washington D.C.*

Gallo, M., G. Manzano-Nieves, A. Nitenson, K. G. Bath. (2017) "The Effect of Early Life Stress on Sexual Maturation and Immune Development". *International Society for Developmental Psychobiology.*

Gallo, M., G. Manzano Nieves, C. Lopez, K.G. Bath. (2017). "The Effects of Early Life Stress on Sexual Maturation and the Development of Sexually Dimorphic Brain Regions". *APS Annual Conference. American Psychological Sciences, Boston, MA.*

Gallo, M., K. Phillips, K.G. Bath, C. Bloom. (2017). "Inhibiting Inhibition: Consequences of *Gabrg-2* on Fear and Anxiety". *Mind Brain Research Day. Brown University, Providence, RI.*

Gallo, M., M. Gaillard, G. Manzano-Nieves, and K.G. Bath. (2016). "Sex selective effects of early life stress on behavioral phenotypes: implications of the estrous cycle". *24th Annual Lifespan Hospitals Research Celebration Day. Rhode Island Hospital, Providence, RI.* **Honorable Mention**.

TEACHING

2016-2023	Graduate Student Mentor (Mentee list below)
2020	*Instructor,* Introduction to Cognitive Neuroscience (Summer at Brown University); <u>Fully enrolled class canceled due to COVID-19</u>
2020	*Teaching Assistant*, Laboratory on Genes and Behavior (Brown University)
2019	*Instructor,* Introduction to Cognitive Neuroscience (Summer at Brown University)
2019	*Teaching Assistant*, Introduction to Biological Psychiatry (Brown University)
2018	*Instructor,* Introduction to Cognitive Neuroscience (Summer at Brown University)
2018	*Teaching Assistant*, Introduction to Animal Behavior (Stem 1 at Brown University)
2018	*Teaching Assistant,* Brain and Behavior (Brown University)
2017	*Teaching Assistant*, Memory and the Brain (Brown University)
2017	Sheridan Center Teaching Certificate
2017	*Teaching Assistant*, Introduction to Animal Behavior (STEM 1 at Brown)

STUDENT MENTEES

Denotes honors directed thesis ^Denotes senior capstone project

Emily Sun (2021-2023), Tracy Pan (2020-2022)*, Cassandra T-Peterson (2020-2021)*, Daniel Shleifer (2018-2020)*, Eugene Hrabarchuk (2018-2020)*, Aliyah Oliyan^ (2016-2018), Talia Campbell(2016-2018)*, D'Nea Galbraith (2017), Marques Love (2017)

REFEREE SERVICE

Neuron | Trends in Neurosciences | Developmental Psychobiology | Motivation and Emotion