

Kelsea Rian Gildawie

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EDUCATION

Ph.D. in Psychology (Behavioral Neuroscience) Northeastern University , Boston, MA <i>Dissertation Advisor: Dr. Heather Brenhouse</i>	Sep 2016 – Aug 2021
M.S. in Psychology (Behavioral Neuroscience) Northeastern University , Boston, MA <i>Thesis Advisor: Dr. Heather Brenhouse</i>	Sep 2016 – May 2018
B.S. in Neuroscience and Behavior; Minor in Biostatistics. Simmons University , Boston, MA <i>Magna cum laude Departmental Distinction (Biology)</i>	Sep 2012 – May 2016

FACULTY POSITIONS

Assistant Professor of Psychology (specialization in Neuroscience) Simmons University , Boston, MA School of Sciences and Health Professions	Aug 2024 – Present
Adjunct Faculty Simmons University , Boston, MA School of Sciences and Health Professions CompleteDegree@Simmons	Aug 2022 – Jan 2024

RESEARCH POSITIONS

IRACDA Postdoctoral Scholar Tufts University , North Grafton, MA Cummings School of Veterinary Medicine <i>Drs. Elizabeth Byrnes & Fair Vassoler</i>	Oct 2021 – Aug 2024
Graduate Research Assistant Northeastern University , Boston, MA <i>Dissertation Advisor: Dr. Heather Brenhouse</i>	Sep 2016 – Aug 2021
Research Intern Brigham and Women's Hospital, Chestnut Hill, MA <i>Dr. Robert Edwards</i>	Sep 2015 – May 2016
Undergraduate Research Assistant Simmons University , Boston, MA <i>Dr. Gregory Feldman</i>	Jan 2015 – May 2016
Undergraduate Research Assistant Simmons University , Boston, MA <i>Dr. Amanda Carey</i>	Sep 2014 – Aug 2016

TEACHING

Assistant Professor

Biological Psychology; *Simmons University*

Fall 2024, Spring 2025

Adjunct Faculty

Biological Psychology; *Simmons University, CompleteDegree@Simmons*

Fall 2022, 2023

Graduate Teaching Assistant

Lab in Research Design, Dr. Amy DiBattista; *Northeastern University*

Fall 2020

Lab in Biological Psychology, Dr. Craig Ferris; *Northeastern University*

Spring 2020

Lab in Research Design, Dr. Robert C. Eidson; *Northeastern University*

Fall 2019

Drugs and Behavior, Dr. Lesley Ricci; *Northeastern University*

Fall 2018

Lab in Biological Psychology, Dr. Lesley Ricci; *Northeastern University*

Fall 2017, Spring 2018

Undergraduate Teaching Assistant

Biological Psychology, Dr. Rachel Galli; *Simmons University*

Spring 2015

Biological Psychology, Dr. Amanda Carey; *Simmons University*

Fall 2014

Tutor

Introductory Statistics; *Simmons University*

Spring 2015 – Spring 2016

Biological Psychology; *Simmons University*

Spring 2015 – Spring 2016

GRANTS & FUNDING

2024 – 2025 “Prenatal exposure to medications for opioid use disorder: Sex-dependent effects on adolescent prefrontal cortex development”

Yale/NIDA Neuroproteomics Center Pilot Research Project Grant (\$7,500)

2023 – 2024 “Neural mechanisms underlying opioid-induced feeding dysregulation”

Institutional Research, Academic, and Career Development Award (IRACDA)

Tufts University & National Institute of General Medical Sciences

2022 – 2023 “Sex differences in prenatal opioid-induced feeding dysregulation”

Natalie V. Zucker Center Research Award (\$10,000)

Tufts School of Medicine

2017 – 2018 “Developmental effects of early life stress on perineuronal net formation and microglial interaction in the rat prefrontal cortex and basolateral amygdala”

Northeastern University Graduate Thesis/Dissertation Research Grant (\$1,500)

AWARDS & HONORS

Postdoctoral Travel Award, *International Behavioral Neuroscience Society*

Jan 2024

Postdoc Poster Award, *NeuroBoston Fall Symposium*

Nov 2022

Travel Award, *International Society for Developmental Psychobiology Annual Meeting*

Sep 2022

Postdoc Poster Award, *NeuroBoston Fall Symposium*

Nov 2021

Virtual Travel Award, *Organization for the Study of Sex Differences Annual Meeting*

April 2021

Trainee Professional Development Award, *Society for Neuroscience*

Dec 2020

PhD Network Travel Award, *Northeastern University*

April 2020

Travel Award, *International Society for Developmental Psychobiology Annual Meeting*

Aug 2019

PhD Network Travel Award, *Northeastern University*

April 2019

Student Poster Competition Winner, *ISDP Annual Meeting*

Nov 2018

Travel Award, *International Society for Developmental Psychobiology Annual Meeting*

Aug 2018

Florence P. Haseltine Award , Outstanding Poster Presentation by a New Investigator <i>Organization for the Study of Sex Differences Annual Meeting</i>	May 2018
The Barbara Gentile Award in Psychological Research , <i>Simmons University</i>	May 2016
Departmental Distinction – Biology Department , <i>Simmons University</i>	May 2016
Presidential Scholarship , <i>Simmons University</i>	Sep 2012

PUBLICATIONS

Cited 400+ times, H-index: 10 (source: Google Scholar)

^ indicates senior authorship

* indicates co-first authorship

indicates undergraduate research assistant supervised/trained by Gildawie, K.R.

@ indicates graduate research assistant supervised/trained by Gildawie, K.R.

Gildawie, K. R., Budge, K. E., Vassoler, F. M., Yen, E., Byrnes, E. M. (2025). Differential effects of prenatal buprenorphine and methadone on postnatal growth and gene expression in the nucleus accumbens. *Developmental Psychobiology*, 67(1), e70015. DOI: 10.1002/dev.70015. PMID: 39648276

@Fanikos, M., Kohn, S. A., Stamato, R., Brenhouse, H. C., ^**Gildawie, K. R.** (2024). Impacts of age and environment on postnatal microglial activity: consequences for cognitive function following early life adversity. *PLoS ONE*, 19(6). DOI: 10.1371/journal.pone.0306022. PMID: 38917075

Vassoler, F. M., Budge, K. E., Isgate, S. B., **Gildawie, K. R.**, Byrnes, E. M. (2024). Neuroplasticity-related genes correlate with individual differences in distinct phases of oxycodone self-administration in male rats. *Neuropharmacology*, 109972. DOI: 10.1016/j.neuropharm.2024.109972. PMID: 38710443

Gildawie, K. R., Wang, K., Budge, K. E., Byrnes, E. M. (2024). Sex-dependent effects of maternal separation on effort-based responding for palatable food are associated with c-Fos expression in the nucleus accumbens. *Neuroscience*, 537, 174-188. DOI: 10.1016/j.neuroscience.2023.11.030 PMID: 38036058

Granata, L., **Gildawie, K. R.**, Ismail, N., Brenhouse, H. C., Kopec, A. M. (2022). Immune signaling as a node of interaction between systems that sex-specifically develop during puberty and adolescence. *Developmental Cognitive Neuroscience*, 57, 101143. DOI: 10.1016/j.dcn.2022.101143 PMID: 35933922

Gildawie, K. R., #Ryll, L., #Hexter., J. C., Peterzell, S., Valentine, A. A., Brenhouse, H. (2021). A two-hit adversity model in developing rats reveals sex-specific impacts on prefrontal cortex structure and behavior. *Developmental Cognitive Neuroscience*, 48, 100924. DOI: 10.1016/j.dcn.2021.100924 PMID: 33515957

***Gildawie, K. R.**, *@Orso, R., Peterzell, S., Thompson, V., Brenhouse, H. (2020). Sex differences in prefrontal cortex microglia morphology: Impact of a two-hit model of adversity throughout development. *Neuroscience Letters*, 135381. DOI: 10.1016/j.neulet.2020.135381 PMID: 32927000

#Soares, A. R., **Gildawie, K. R.**, Honeycutt, J. A., Brenhouse, H. (2020). Region-specific effects of maternal separation on oxidative stress accumulation in parvalbumin neurons of male and female rats. *Behavioural Brain Research*, 112658. DOI: 10.1016/j.bbr.2020.112658 PMID: 32339550

- Gildawie, K. R.,** Honeycutt, J. A., Brenhouse, H. (2020). Region-specific effects of maternal separation on perineuronal net formation around parvalbumin-expressing interneurons in male and female rats. *Neuroscience*, 428, 23-37. DOI: 10.1016/j.neuroscience.2019.12.010 PMID: 31887358
- Carey, A. N., Pinteá, G. I., Van Leuven, S., **Gildawie, K. R.,** Squicimara, L., Fine, E., Rovnak, A., Harrington, M. (2019). Red Raspberry (*Rubus ideaus*) Supplementation Mitigates the Effects of a High Fat Diet on Brain and Behavior in Mice. *Nutritional Neuroscience*, 1-11. DOI: 10.1080/1028415X.2019.1641284. PMID: 31328696
- Gildawie, K. R.,** Galli, R. L., Shukitt-Hale, B., Carey, A. N. (2018). Protective Effects of Foods Containing Flavonoids on Age-Related Cognitive Decline. *Current Nutrition Reports*, 1-10. DOI: 10.1007/s13668-018-0227-0. PMID: 29892789
- Ganguly, P., Thompson, V., **Gildawie, K.,** Brenhouse, H. (2018). Adolescent food restriction in rats alters prefrontal cortex microglia in an experience-dependent manner. *Stress*, 1-7. DOI: 10.1080/10253890.2017.1423054. PMID: 29307257
- Carey, A. N., **Gildawie, K. R.,** Rovnak, A., Thangthaeng, N., Fisher, D. R., Shukitt-Hale, B. (2017). Blueberry supplementation attenuates microglia activation and increases neuroplasticity in mice consuming a high-fat diet. *Nutritional Neuroscience*, 22(4), 253-263. DOI:10.1080/1028415X.2017.1376472. PMID: 28931353
- Feldman, G., Lavalley, J., **Gildawie, K.,** Greeson, J. M. (2016). Dispositional Mindfulness Uncouples Physiological and Emotional Reactivity to a Laboratory Stressor and Emotional Reactivity to Executive Functioning Lapses in Daily Life. *Mindfulness*, 7(2), 527-541. DOI:10.1007/s12671-015-0487-3. PMID: 27087863

CHAired SYMPOSIA

- June 2023** *A Double-Edged Sword: Medication Assisted Treatment of Opioid Use Disorder during Pregnancy*; Co-Chair: Elizabeth Byrnes. International Behavioral Neuroscience Society. Niagara Falls, CA
- April 2019** *8th Annual Boston Area Psychology Graduate Student Symposium*; Lead Organizer. Psychology Department Graduate Student Organization. Northeastern University. Boston, MA

ORAL CONFERENCE PRESENTATIONS

- June 2024** *Long-term effects of gestational exposure to medication for opioid use disorder: Neural correlates underlying offspring feeding dysregulation*. International Behavioral Neuroscience Society Travel Award Blitz. Panama City, Panama
- June 2023** *Neural mechanisms of feeding dysregulation following prenatal opioid exposure in male and female rats*. International Behavioral Neuroscience Society. Niagara Falls, Canada
- Nov 2022** *Neural mechanisms of feeding dysregulation following prenatal opioid exposure in male and female rats*. International Society for Developmental Psychobiology Perinatal Pre-Conference. San Diego, CA
- Nov 2021** *A mediating role for microglia in the sex-dependent cognitive and neurostructural consequences of neonatal and juvenile adversity*. International Society for Developmental Psychobiology Annual Meeting. Chicago, IL
- May 2021** *Cumulative impacts of developmental adversity on parvalbumin-positive perineuronal nets*, Organization for the Study of Sex Differences Virtual Travel Award Blitz

May 2021 *Impacts of early life adversity on neurostructural development and cognition: A role for sex-dependent neuroimmune priming*, Organization for the Study of Sex Differences Annual Meeting, Virtual (originally May 2020, conference delayed due to COVID-19)

INVITED TALKS & PRESENTATIONS

Feb 2024 *From womb to cradle: Preclinical models of early life adversity on reward-motivated behavior*, Invited Presentation, Psychology Department, Simmons University

Dec 2023 *A double-edged sword: Neural correlates of feeding dysregulation following prenatal exposure to medication for opioid use disorder*, Neuroscience Research Series, Tufts University

April 2021 *Sex-specific neuroimmune mediation of cognitive impairment following early life adversity*, Virtual Data Blitz, Columbia/Brown/Northeastern University

April 2021 *The role of microglia in the sex-dependent response to early life adversity*, Virtual Invited Presentation, Pontifícia Universidade Católica do Rio Grande do Sul, Brazil

Feb 2020 *Sex-specific impacts of early life adversity on neural structure and behavior: A two-hit model*, Data Blitz, Northeastern University

Feb 2020 *Microglia: Defenders and sculptors of the brain*, Guest Lecture, Simmons University

March 2018 *Microglial activation and perineuronal net formation in the developing rat prefrontal cortex*, Invited Presentation, Simmons University

POSTER PRESENTATIONS

indicates undergraduate research assistant supervised/trained by Gildawie, K.

& indicates graduate student supervised/trained by Gildawie, K.

@ indicates veterinary student supervised/trained by Gildawie, K.

2024

Gildawie, K., Budge, K., Vassoler, F., Yen, E., Byrnes, E. *Prenatal exposure to methadone and buprenorphine: Developmental and long-term effects on reward motivation and gene expression* (October 2024). NeuroBoston Fall Symposium. Boston, MA.

Budge, K., **Gildawie, K.**, & Aaron, C., Vassoler, F., Byrnes, E. *Effects of prenatal oxycodone exposure on maternal care and the maternal brain through CLARITY and immunohistochemistry* (October 2024). NeuroBoston Fall Symposium. Boston, MA.

- **NeuroBoston Tech/Research Assistant Poster Award to Budge, K.**

Gildawie, K., Budge, K., Isgate, S., Vassoler, F., Yen, E., Byrnes, E. *Long-term effects of gestational exposure to medication for opioid use disorder: Neural correlates underlying offspring feeding dysregulation* (June 2024). International Behavioral Neuroscience Society Annual Meeting. Panama City, Panama; Institutional Research, Academic, and Career Development Award (IRACDA) Annual Meeting. Chapel Hill, NC.

- **IBNS Travel Award to Gildawie, K.**

Vassoler, F., Budge, K., Isgate, S., **Gildawie, K. R.**, Byrnes, E. *Neuroplasticity-related genes correlate with individual differences in distinct phases of oxycodone self-administration in male rats* (Planned June 2024). International Behavioral Neuroscience Society Annual Meeting. Panama City, Panama.

2023

- Gildawie, K.**, Budge, K., Isgate, S., Vassoler, F., Yen, E., Byrnes, E. *Long-term effects of gestational exposure to medication for opioid use disorder: Neural correlates underlying offspring feeding dysregulation* (November 2023). Society for Neuroscience Conference. Washington D.C.
- &Aaron, C., **Gildawie, K.**, Budge, K., Vassoler, F., Byrnes, E. *Involuntary administration of oxycodone during pregnancy & high motivation for cocaine in male adult offspring* (November 2023). Society for Neuroscience Conference. Washington D.C.
- Budge, K., @Lopes, J.-L., **Gildawie, K.**, Vassoler, F., Sesenoglu-Laird, O., Moen, R., Cooper, M., Elsworth, J., Pothos, E., Waszczak, B., Byrnes, E. *An intranasal GDNF gene therapy for opioid relapse reduction: Neural modifications associated with reduced opioid reinstatement following intranasal administration of GDNF plasmid DNA nanoparticles* (November 2023). Society for Neuroscience Conference. Washington D.C.
- &Aaron, C., **Gildawie, K.**, Budge, K., Vassoler, F., Byrnes, E. *Oxycodone self-administration during pregnancy & adult risk of substance use disorder* (June 2023). International Behavioral Neuroscience Society Annual Meeting. Niagara Falls, ON, Canada.
- **IBNS Travel Award to Aaron, C.**

2022

- Gildawie, K.**, Isgate, S., Budge, K., & Jackson, L., Vassoler, F., Yen, E., Byrnes, E. *Neural mechanisms of feeding dysregulation following prenatal opioid exposure in male and female rats* (November 2022). NeuroBoston Fall Symposium. Boston, MA; The International Society for Developmental Psychobiology Annual Meeting. San Diego, CA; Annual Society for Neuroscience Conference. San Diego, CA.
- **Chosen for ISDP Perinatal Pre-Conference Oral Poster Pitch**
 - **ISDP Travel Award to Gildawie, K.**
 - **NeuroBoston Postdoc Poster Award to Gildawie, K.**
- &Aaron, C., **Gildawie, K.**, Celatka, J., Budge, K., Isgate, S., Fleming, K., Vassoler, F., Byrnes, E. *Oxycodone self-administration during pregnancy: Do neonatal ultrasonic vocalizations predict adult risk of substance use disorder?* (November 2022). NeuroBoston Fall Symposium. Boston, MA; Annual Society for Neuroscience Conference. San Diego, CA.
- &Fanikos, M., **Gildawie, K.**, Valentine, A., Parakoyi, A., Brenhouse, H. *Microglia depletion alters the impact of a two-hit model of early life adversity on cognitive behavior and perineuronal net formation* (2022). Frontal Cortex Gordon Research Conference. Ventura, CA; The International Society for Developmental Psychobiology Annual Meeting. San Diego, CA; Annual Society for Neuroscience Conference. San Diego, CA.
- Chen, Y., Budge, K., Isgate, S., Papa, D., **Gildawie, K.**, Aaron, C., Jackson, L., Cunningham, C., Vassoler, F., Byrnes, E. *Effects of Infusion of Glial Derived Neurotrophic Factor DNA Nanoparticles on Opioid Relapse Behaviors* (2022). National Veterinary Scholars Symposium. St. Paul, MN
- Gildawie, K.**, Celatka, J., Budge, K., Isgate, S., Fleming, K., Vassoler, F., Byrnes, E. *Oxycodone self-administration during pregnancy disrupts offspring ultrasonic vocalizations: Role of the dam-pup dyad in symptoms of neonatal opioid withdrawal syndrome* (2022). International Behavioral Neuroscience Society Annual Meeting. Glasgow, Scotland, U.K.

2021

Gildawie, K., Fanikos, M., #Thamarai Kannan, L., Valentine A., Parakoyi, A., Brenhouse, H. *Differential impacts of neonatal microglia depletion on social and working memory in males and females following early life adversity* (2021). Boston Area Neuroscience Group Fall Symposium, Virtual.

- **Postdoc Poster Award to Gildawie, K.**

Gildawie, K., #Ryll, L., #Thamarai Kannan, L., #Hexter, J., Peterzell, S., Valentine, A., Brenhouse, H. *Sex-specific neurostructural and cognitive consequences of early life adversity: Mediating effects of microglia* (2021). Organization for the Study of Sex Differences Annual Meeting, Virtual.

- **Virtual Travel Award to Gildawie, K.**

Gildawie, K., #Ryll, L., Orso, R., #Hexter, J., Peterzell, S., Valentine, A., Brenhouse, H. *Cumulative effects of early life adversity on prefrontal cortex microglia morphology and perineuronal net integrity: A role for sex-dependent neuroimmune priming* (2021). Society for Neuroscience Global Connectome, Virtual.

- **Trainee Professional Development Award to Gildawie, K.**

2020

Gildawie, K., #Ryll, L., Orso, R., #Hexter, J., Peterzell, S., Valentine, A., Brenhouse, H. *Multiple hits of adversity: Sex-specific neuroimmune and neurostructural effects throughout development* (2020). The International Society for Developmental Psychobiology Annual Meeting, Virtual; Boston Area Neuroscience Group Fall Symposium, Virtual.

Gildawie, K., #Ryll, L., #Hexter, J., Peterzell, S., Honeycutt, J., Brenhouse, H. *Potentiated anxiety-like behavior and prefrontal cortex perineuronal net-enwrapped parvalbumin-expressing interneuron disruption: Sex-specific impact of a two-hit model of developmental adversity* (2020; canceled due to COVID-19). Organization for the Study of Sex Differences Annual Meeting. Marina del Rey, CA.

2019

Granata, L., **Gildawie, K.**, Honeycutt, J., Brenhouse, H. *Maternal separation paradigms differentially influence pup communication and prefrontal cortex perineuronal net development in male and female rats* (2019). American College of Neuropsychopharmacology Annual Meeting. Orlando, FL.

Gildawie, K., Peterzell, S., #Ryll, L., #Hexter, J., Honeycutt, J., Brenhouse, H. *Effects of maternal separation paired with juvenile social isolation on adult anxiety-like behavior and perineuronal net-ensheathed parvalbumin interneurons in male and female rats* (2019). The International Society for Developmental Psychobiology Annual Meeting. Chicago, IL; Annual Society for Neuroscience Conference. Chicago, IL.

- **ISDP Travel Award to Gildawie, K.**

#Soares, A., **Gildawie, K.**, Honeycutt, J., Brenhouse, H. *Developmentally-dependent effects of maternal separation on oxidative stress accumulation in parvalbumin neurons of male and female rats* (2019). Annual Society for Neuroscience Conference. Chicago, IL.

- **Faculty for Undergraduate Neuroscience (FUN) Travel Award to Soares, A.**

Gildawie, K., Honeycutt, J., Brenhouse, H. *Maternal separation leads to sex-specific alterations in the formation of perineuronal nets around parvalbumin-expressing interneurons in the developing rat prefrontal cortex and basolateral amygdala* (2019). Organization for the Study of Sex Differences/International Society of Gender Medicine Joint Meeting. Washington D.C.

#Soares, A., **Gildawie, K.**, Honeycutt, J., Brenhouse, H. *Developmental effects of maternal separation on oxidative stress accumulation in fast-spiking parvalbumin neurons in the prefrontal cortex in male and female rats* (2019). Northeastern University Research, Innovation, and Scholarship Expo (RISE). Boston, MA; Northeast Under/Graduate Research Organization for Neuroscience (NEURON) Conference. Hamden, CT.

- **Self-Authored Integrated Learning (SAIL) Award to Soares, A.**
- **Susannah Bliss Tieman Outstanding Poster Award to Soares, A.**

2018

Gildawie, K., Honeycutt, J., Brenhouse, H. *Early life stress leads to sex-specific alterations in the formation of perineuronal nets around parvalbumin-expressing interneurons in the developing rat prefrontal cortex* (2018). The International Society for Developmental Psychobiology Annual Meeting. San Diego, CA.; Annual Society for Neuroscience Conference. San Diego, CA.

- **ISDP Student Poster Competition Winner Award to Gildawie, K.**
- **ISDP Travel Award to Gildawie, K.**

Gildawie, K., Honeycutt, J., Brenhouse, H. *Early life stress leads to sex-specific alterations in perineuronal net formation in the rat prefrontal cortex* (2018). Organization for the Study of Sex Differences Annual Meeting. Atlanta, GA.

- **Florence P. Haseltine Award for the Outstanding Poster Presentation by a New Investigator to Gildawie, K.**

2017

Gildawie, K., Goff, S., Rowe-Hill, J., Ganguly, P., Honeycutt, J., Thompson, V., Brenhouse, H. *Alterations in developmental microglia morphology resulting from early life stress paired with lipopolysaccharide injection and food restriction in the rat prefrontal cortex* (2017). Annual Society for Neuroscience Conference, Washington D.C.

Gildawie, K., Goff, S., Rowe-Hill, J., Ganguly, P., Honeycutt, J., Thompson, V., Brenhouse, H. *Early life stress alters microglia activation in juvenile rats and confers sensitization in microglia to LPS induced immune activation* (2017). Boston Area Neuroscience Group (BANG) Symposium. Boston, MA.

2016

Gildawie, K., Rovnak, A., Harrington, M., Carey, A. *Age of high-fat diet implementation and raspberry supplementation affects weight gain in mice* (2016). Simmons Undergraduate Symposium. Boston, MA.

Rovnak, A., **Gildawie, K.**, Gilman, C., Carey, A. *Influence of age of high fat diet implementation on performance in the novel object recognition task* (2016). Simmons Undergraduate Symposium. Boston, MA.

Derkevorkian, L., **Gildawie, K.**, Harrington, M., Henry, R., Galli, R. *The effect of sucrose supplementation and environmental enrichment on spatial memory in the Morris Water Maze* (2016). Fenway Psychology Research Conference. Emmanuel College, Boston, MA; Simmons Undergraduate Symposium. Boston, MA.

2015

Feldman, G., **Gildawie, K.**, Potter, M., & Greeson, J. *Dispositional Mindfulness Buffers Emotional Reactivity to Physiological Arousal* (2015). 49th Annual Convention of the Association for Behavioral and Cognitive Therapy. Chicago, IL.

Rovnak, A., **Gildawie, K.**, Gilman, C., Carey, A. *Blueberry supplementation attenuates microglia activation and increases neuroplasticity in the brains of mice consuming a high fat diet* (2015). 73rd Eastern New England Biological Conference. Boston, MA; Simmons College Undergraduate Research Conference. Boston, MA; Fenway Psychology Research Conference. Emmanuel College, Boston, MA.

Carey, A., **Gildawie, K.**, Gilman, C., Rovnak, A. *Blueberry supplementation attenuates inflammation and oxidative stress and increases BDNF in the brains of middle-aged mice consuming a high fat diet* (2015). Experimental Biology. Boston, MA.

MEMBERSHIPS

Society for Neuroscience, International Behavioral Neuroscience Society, International Society for Developmental Psychobiology, Organization for the Study of Sex Differences, Boston Area Neuroscience Group, Sigma Xi (Delta Chapter) – The Scientific Research Society, Psi Chi (Simmons University Chapter) – National Honor Society in Psychology

AD HOC REVIEWER

Nature Reviews Neurology, Journal of Neural Transmission, Frontiers in Systems Neuroscience, Frontiers in Behavioral Neuroscience, Frontiers in Nutrition, Developmental Psychobiology, Neuroscience Letters

PROFESSIONAL DEVELOPMENT & SERVICE

Council Representative for Trainees – Elect <i>International Behavioral Neuroscience Society</i>	April 2023 – Present
Panelist , NeuroBoston Career Panel <i>Boston Area Neuroscience Group Fall Symposium</i>	Nov 2022
Certificate of Completion , Basics of Teaching Short Course <i>Center for the Advancement of Teaching and Learning, Tufts University</i>	Oct 2022
Science Communications Committee Member , ISDP	Jan 2021 – Jan 2022
Accepted Attendee , New England Future Faculty Workshop	July 2020
Graduate Student Mentor , Graduate School Mentoring Program <i>Department of Psychology, Northeastern University</i>	March 2020 – August 2021
Lead Organizer , 8 th Annual Boston Area Psychology Graduate Student Symposium <i>Psychology Department Graduate Student Organization, Northeastern University</i>	April 2019
Committee Member , Outstanding Graduate Student Awards <i>Outstanding Graduate Student Awards, Northeastern University</i>	March 2018, 2019
Member , Future Faculty Program <i>Center for Advancing Teaching and Learning Through Research, Northeastern University</i>	Feb 2018 – August 2021
President , Psychology Department Graduate Student Organization <i>Northeastern University</i>	Sep 2018 – August 2021
Graduate Innovator Judge , Research, Innovation and Scholarship Expo <i>Northeastern University</i>	April 2018, 2019, 2020

Alumni Guest, Psychology/Behavioral Neuroscience Alumni Breakfast **Nov 2017, 2019 – 2021**
Department of Psychology, Simmons University

Graduate Student Liaison **Aug 2017 – May 2019**
Center for Advancing Teaching and Learning Through Research, Northeastern University

OUTREACH

Panelist, Gender Diversity in STEM Panel **March 2024**
NeuroNetwork, WHEN, Girls in STEM; Tufts University

Demonstration Leader, “Scientific Exhibition” **July 2023**
Josiah Quincy Upper School & Tufts University School of Medicine

Guest Lecturer, “Careers in Psychology Research” **April 2022**
Experimental Psychology course, Tufts University

Panelist, “Defending your Thesis – The Final Step” **Jan 2022**
Ask A Scientist Series

Guest Speaker, Research Adjacent Program **October 2021**
Tufts University Biology Research Club

Facilitator, Greater Boston AP Research Symposium **April 2021**
Framingham, Needham, and Norwood High Schools

Panelist, Brain Awareness Week Ask a Scientist Panel **March 2021**
Northeastern University Community Liaisons for Education Using STEM (NUCLEUS)

Guest Lecturer, “How early life shapes social and working memory” **March 2021**
Thesis Pieces, Northeastern University Community Liaisons for Education Using STEM (NUCLEUS)

Guest Lecturer, “Lighting up the brain: How experience changes brain structure” **Nov 2020, Oct 2021**
Thesis Pieces, Northeastern University Community Liaisons for Education Using STEM (NUCLEUS)

Judge, Boston Public Schools Citywide Science and Engineering Fair **Feb 2020**

Member, NUCLEUS **Sep 2019 –**

Guest Lecturer, “Postgrad Life: Graduate School and Beyond” **April 2019, Feb 2020**
Biological Psychology Course, Simmons University

Campus Mentor, She’s the First **June 2016 – Sep 2018**

Founding President, She’s the First at Simmons **Sep 2013 – May 2016**
Simmons University

MEDIA COVERAGE OF RESEARCH

Science Featured. “Multiple traumas in early life change the brain of females differently than males, and we need to pay attention.” (June 2021)