

# Kelsea Rian Gildawie

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## EDUCATION

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

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## FACULTY POSITIONS

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

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## RESEARCH POSITIONS

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

## TEACHING

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### 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

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**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

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**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

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

## PUBLICATIONS

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*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

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#### CHAired SYMPOSIA

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- 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**     *8<sup>th</sup> Annual Boston Area Psychology Graduate Student Symposium*; Lead Organizer. Psychology Department Graduate Student Organization. Northeastern University. Boston, MA

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#### ORAL CONFERENCE PRESENTATIONS

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- 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)

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### INVITED TALKS & PRESENTATIONS

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**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

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### POSTER PRESENTATIONS

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# 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). 73<sup>rd</sup> 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.

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### MEMBERSHIPS

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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

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### AD HOC REVIEWER

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

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### PROFESSIONAL DEVELOPMENT & SERVICE

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

**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*

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### OUTREACH

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**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*

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### MEDIA COVERAGE OF RESEARCH

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