**Eliza Greiner, PhD**

Northeastern University

Department of Psychology | Behavioral Neuroscience

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(317) 726-7584

**Education**

**PhD, Behavioral Neuroscience**

Boston College, *defended March 2023*

**BS, Brain & Behavioral Sciences**

Purdue University*, Minor in Theatre, earned May 2017*

**Research Experience**

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| *July 2023-Current* | **Postdoctoral Fellow at Northeastern University***Laboratory of Dr. Rebecca Shanksy, Behavioral Neuroscience*  |

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| *August 2017-May 2023* | **Graduate Researcher at Boston College***Laboratory of Dr. Gorica D. Petrovich, Behavioral Neuroscience* |

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| *September 2014-May 2017* | **Research Assistant at Purdue University***Laboratory of Dr. Susan Sangha, Behavioral Neuroscience* |

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| *June 2016-July 2016* | **Research Intern at IU Health Neuroscience Center***Department of Psychiatry under Dr. John L. Nurnberger**Department of Neurology under Dr. Jason S. Mackey* |

**Publications**

*Manuscripts in Preparation*

* **Greiner EM** & Petrovich GD (2023). Recruitment of Hippocampal and Thalamic Pathways to the Central Amygdala in the Control of Feeding Behavior Under Novelty
* **Greiner EM,** Witt ME, Moran SJ, Petrovich GD (2023). Activation patterns in male and female forebrain circuitries during food consumption under novelty

*Published Manuscripts*

* Parsons W, **Greiner EM**, Buczek L, Migliaccio J, Corbett E, Madden AMK, Petrovich GD (2022). Sex differences in activation of orexin forebrain targets during hedonic eating. *Brain Structure & Function*.
* **Greiner EM** &Petrovich GD (2020). The effects of novelty on food consumption in male and female rats. *Physiology & Behavior.*
* **Greiner EM**\*, Müller I\*, Norris MR, Ng KH, Sangha S (2019). Sex differences in fear regulation and reward seeking behaviors in a fear-safety-reward discrimination. *Behavioural Brain Research*.

**Conference Presentations & Invited Talks**

*2023*

* Schiller Institute Graduate Colloquium Series: “The neural circuitries for the control of feeding during novelty”.
* **Greiner EM**, Adel-Zaheh B, Laine MA, Ravaglia I, & Shansky RM. Distinct behavioral & neural profiles for pregnant and unmated female rats during fear conditioning. *Pavlovian Society Meeting*.

*2022*

* **Greiner EM** & Petrovich GD. Recruitment of cortical and thalamic projections to the central amygdala in the control of feeding behavior under novelty. *Society for Neuroscience Meeting*.
* Irving Z, **Greiner EM**, Petrovich GD. Sex specific recruitment of the basolateral amygdala complex after habituation to novel food and feeding context. *Society for Neuroscience Meeting*.
* Irving Z, **Greiner EM**, Petrovich GD. Sex differences in selective Fos expression in the amygdala after habituation to novel food and novel context. *Society for the Study of Ingestive Behavior meeting*.

*2021*

* **Greiner EM** & Petrovich GD. Activation of the amygdala & paraventricular thalamus after novelty exposure during consumption in male and female rats. *Society for Neuroscience Meeting*.
* Irving Z, **Greiner EM**, Petrovich GD. Fos expression in the basomedial amygdala after habituation to novel food and novel context. *Society for Neuroscience Meeting*.

*2019*

* **Greiner EM** & Petrovich GD. Fos Expression in Central Amygdala following Novel Food & Context Exposure. *Society for Neuroscience Meeting*.
* **Greiner EM** & Petrovich GD. Fos Expression in Central Amygdala following Novel Food & Context Exposure. *Boston Area Neuroscience Group Meeting*.

*2018*

* **Greiner EM** & Petrovich GD. The Effects of Novelty on Food Consumption in Male & Female Rats. *Society for Neuroscience Meeting*.
* **Greiner EM** & Petrovich GD. Sex Differences in Food Consumption Under Novelty. Society for the *Study of Ingestive Behavior Meeting*.
* **Greiner EM** & Petrovich GD. The Effects of Novelty on Food Consumption in Male & Female Rats. *Boston Area Neuroscience Group Meeting*.
* Norris MR\*, **Greiner EM**\*, Mueller I, Ng K, Sanga S. Sex differences in suppression of conditioned fear during a safety cue in a fear-safety-reward cue discrimination task. *Society for Neuroscience Meeting*.

**Teaching Experience**

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| *July 2020-Current* | **Course Facilitatory for Human Neuropsychology***Boston University School of Social Work** Host weekly sessions, facilitating discussion on sensory systems & their relationship with neuropsychiatric disorders.
* Manage weekly discussion posts, providing insight and commentary to further student engagement.
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| *September 2022-May 2023**September 2017-May 2021* | **Teaching Assistant for Introduction to Psychopathology & Abnormal Psychology***Boston College** Hosted bi-weekly recitation sessions, answering student questions regarding a psychological assessment and diagnosis.
* Assisted in the creation of exams and weekly discussion questions.
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| *April 2023**October 2022**February 2022* | **Guest Lecturer**Boston College* Introduction to Psychopathology, *“Learning, Memory, & Emotion”*
* Neurogastronomy, *“Craving and Consumption in Children and Adolescents”*
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| *August 2020-December 2020* | **Course Instructor for Neuropsychology***Boston College, Woods College of Advancing Studies** Designed and administered an entirely new online course.
* Conducted weekly lectures with interactive components, including discussion posts and quizzes.
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| *August 2016-December 2016* | **Teaching Assistant for Human Anatomy & Physiology Lab***Purdue University** Organized weekly lab sessions, instructing students on how to complete required lab tasks.
* Led structured reviews of course topics for students prior to examinations.
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**Awards & Honors**

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| *June 2020-2022* | President of Boston College Psychology & Neuroscience Graduate Student Council |
| *April 2021* | Boston College Psychology & Neuroscience Dissertation Fellowship |
| *July 2018-May 2020* | Boston College Graduate Student Advisor for Psi Chi International Honors Society |
| *October 2019* | Boston Nutrition Obesity Research Center Travel Award |
| *April 2017* | Purdue University John M. Hadley Award for Outstanding Senior |
| *August 2016-May 2017* | Purdue University Research Focused Honors Program |
| *April 2017* | Purdue Psychology Undergraduate Research Symposium—Best Poster Award |
| *September 2016* | Purdue Undergraduate Research Grant |
| *February 2013* | Purdue Presidential Scholarship |
| *April 2013* | Knights of Columbus Scholarship |