Naffziger, Erin E

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EDUCATION

**University of Michigan, Ann Arbor, MI** Fall2015 **-** Present

**Masters** Biopsychology Fall 2017

**PhD.** Biopsychology

**University of Iowa , Iowa City, IA** May2015

B.A. with Honors: Psychology

Certificate: Disabilities Studies

Minor: Health and Human Physiology

Undergraduate Thesis: “*The Infralimbic Cortex Facilitates the Consolidation of Extinction Following Self-Administration of Cocaine in Rats”*

Advisor: Ryan LaLumiere

AWARDS and accomplishments

**NIDA (T32) Training Program in Neuroscience** 2016-2017

*University of Michigan, Ann Arbor, MI*

**Rackham Conference Travel Grant** 2016, 2017, 2018

*University of Michigan, Ann Arbor, MI*

**UI National Scholars Award** 2011-2015

*University of Iowa, Iowa City, IA*

**Iowa Center for Research Undergraduates Fellowship** August 2013 – May 2014

*University of Iowa, Iowa City, IA*

**Commended Poster Presentation Award** April 2014

*University of Iowa, Iowa City, IA*

**Honors Thesis Research** Sept. 2014 –May 2015

*University of Iowa, Iowa City, IA*

Research experience

**Graduate Student** July2015 **–** Present

Biopsychology, University of Michigan

Primary Investigator: Kent Berridge

Area: Affective Neuroscience

Research Focus: Elucidating amygdalar mechanisms (particularly within the medial nuclei of the amygdala) generating motivation for rewarding and aversive stimuli.

**Research** **Assistant and Research Fellow** February 2013 – May 2015

Behavioral and Cognitive Neuroscience, Psychology Department

Primary Investigator: Ryan LaLumiere

Area: Addiction; Learning and Memory

Projects: Understanding cortical contributions to the acquisition, extinction, and reinstatement of cocaine-seeking behavior in rats.

Research Assistant May 2014-May 2015

Behavioral and Cognitive Neuroscience, Psychology Department

Primary Investigator: Michelle Voss

Area: Exercise and Adaptive Plasticity

Previous Work: Functional and structural neuro changes that occur after implementation of a moderate cardiovascular exercise program in older adults.

TEACHING EXPERIENCE

Graduate Student Instructor

PSYCH 230: *Biological Psychology, University of Michigan, Instructor: Dr. Martin Sarter*

Winter 2016

PSYCH 230: *Biological Psychology, University of Michigan, Instructor: Dr. Kent Berridge*

Fall 2016

PSYCH 230: *Biological Psychology, University of Michigan, Instructor: Dr. Jennifer Cummings*

Fall 2017

PSYCH 230: *Biological Psychology, University of Michigan, Instructor: Dr. Kent Berridge*

Winter 2018

PSYCH 230: *Biological Psychology, University of Michigan, Instructor: Dr. Kent Berridge*

Fall 2018

Lead Instructor

PSYCH 402: *Neuroscience of Mental Health*

*University of Michigan, Ann Arbor, MI Fall 2019*

Mentorship

Mentored over 25 research assistants, including 4 students who have successfully completed thesis projects.

Supplemental Instruction Leader Spring 2013

*Biological Psychology, University of Iowa, Course Instructor: Dr. Jason Radley*

publications

Olney, J. J., Warlow, S. M., **Naffziger, E. E.,** & Berridge, K. C. (2018). Current perspectives on incentive salience and applications to clinical disorders. *Current Opinion in Behavioral Sciences, 22,* 59-69.

Warlow, S. M., Baumgartner, H. M., Freeland, C., **Naffziger, E. E.,** Olney, J. J., Berridge, K. C., & Robinson, M. J. Sensitization of incentive salience and the transition to addiction. (*In review*)

Warlow, S. M., **Naffziger E. E.** & Berridge, K. C. Dangerous desire: central amygdala amplifies attraction for rewarding and aversive stimuli. (*In prep*)

Naffziger, E. E. & Berridge, K. C. Optogenetic stimulation of the medial amygdala generates motivation for a sucrose reward. (*In prep*)

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POSTERS AND PRESENTATIONS

Naffziger EE “Brain systems underlying motivation for rewards” Talk given for undergraduate-led Neuroscience Student Association, University of Michigan (2018).

Naffziger, E. E. & Berridge, K. C., "Optogenetic stimulation of medial amygdala may bias choice for intravenous cocaine" Society for Neuroscience Annual Conference (2018).

Naffziger EE & Berridge KC “Optogenetic stimulation of the medial amygdala generates motivation for natural rewards” Society for Neuroscience Annual Conference (2017).

Naffziger EE & Berridge KC “Optogenetic stimulation of the amygdala generates motivation for rewards” Opioids and Addiction Symposium (2017)

Warlow SM, Naffziger EE & Berridge “Dangerous Desire: Central Amygdala Amplifies Attraction Towards Rewarding and Aversive Stimuli” Society for Neuroscience Annual Conference (2017).

Naffziger EE, Warlow SM, & Berridge KC “Optogenetic Stimulation of the Medial Amygdala Biases Choice and Enhances Motivation for Sucrose” Society for Neuroscience Annual Conference (2016)

Naffziger, EE “Optogenetic stimulation of the medial amygdala generates motivation for sensory rewards” Talk given for Biopsychology Colloquium, University of Michigan (2016)

Warlow SM, Castro DC, Naffziger EE & Berridge KC “Central amygdala controls choice and amplifies ‘wanting’ for sucrose and cocaine without altering ‘liking’.” Society for Neuroscience Annual Conference (2016)

Naffziger EE, Cosme C & LaLumiere RT “The Dorsal Agranular Insular Cortex Bidirectionally Regulates the Reinstatement of Cocaine-Seeking Behavior.” Spring Research Undergraduate Festival (2014)

*AD HOC* Assistant Reviewer (Journals)

Journal of Neuroscience

MEMBERSHIPS AND EXTRACURRICULAR ACTIVITIES

Society for Neuroscience 2015-Current

MYELIN, The University of Michigan 2016-Current

*Sponsored by University of Michigan.*

Posse Foundation Summer 2018

*Invited to host a workshop about behavioral neuroscience and research at Michigan.*

Invited Panelist February 2019

*Teaching Panel,* hosted by Psychology Graduate Student Association (PGSA)

Invited Panelist March 2019

*Graduate School Panel,* hosted by Neuroscience Student Association