

# Laura Grafe, PhD

Department of Psychology  
Bryn Mawr College  
101 North Merion Avenue  
Bryn Mawr, PA 10910

January 2024

Email: Lgrafe@brynmawr.edu

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## ACADEMIC APPOINTMENTS

Assistant Professor  
**Bryn Mawr College**, Department of Psychology 2018-present  
Affiliated with the Neuroscience Major and Minor at Bryn Mawr/Haverford  
Successful Reappointment Spring 2021

Postdoctoral Fellow 2014-2018  
**Children's Hospital of Philadelphia**, Philadelphia, PA  
Research Advisor: Seema Bhatnagar  
Studied sex differences in the stress response and how it affects sleep and cognition

## EDUCATION

Ph.D. in Neuroscience 2013  
**University of Pennsylvania**, Philadelphia, PA  
Research Advisor: Dr. Lori Flanagan-Cato  
Dissertation Title: Cellular Mechanisms and Neural Control of Sodium Appetite in Male Rats

BS in Physiology and Neurobiology; BS in Psychology (Double Degree) 2008  
**University of Maryland**, College Park, MD  
*Summa Cum Laude*

## GRANTS

Faculty Research Grant, Bryn Mawr College 2021-2023  
"The role of the menstrual cycle in stress, coping, and sleep in women"

Tri-College Neuroscience Symposium Seed Grant, Bryn Mawr/Haverford/Swarthmore 2021-2024

National Science Foundation Award Supplement (IOS-1929829) Collaborator 2020-2025  
(PI: Bangasser, Temple University)  
These additional funds promote collaboration with my lab as part of NSF's Research at Undergraduate Institutions Initiative

Museum Studies Teaching Grant, Bryn Mawr College 2020  
"Allowing neuroscience to come alive through Museum Studies:  
The 'Your Brain' exhibit at the Franklin Institute"

Alavi-Dabiri Postdoctoral Fellow Award 2018

Individual Postdoctoral National Research Service Award 2015-2017  
National Institute of Mental Health (F32-MH109269)

Postdoctoral Training National Research Service Award 2014-2015  
National Institute of Neurological Disorders and Stroke (T32-NS00741)

## FUNDING/AWARDS FOR MENTORED RESEARCH

Frances Velay Women's Science Research Fellowship (Serena Xu) 2023

Bryn Mawr Summer Science Research Fellowship (Maya Peiris and Candy Li) 2023

Frances Velay Women's Science Research Fellowship (Isabella Ravaglia) 2021

Bryn Mawr Summer Science Research Fellowship (Annie Hawks) 2021

Bucher-Jackson Postdoctoral Fellow (Andrew Gargiulo) 2020-

Frances Velay Women's Science Research Fellowship (Yulia lashmolkina) 2020

Bryn Mawr Summer Science Research Award (Antonia Caffrey)	2020
Bryn Mawr Summer Science Research Award (Emily Saks)	2019
Frances Velay Women's Science Research Fellowship (Ariel Li)	2019
Haverford KINSC Summer Scholar Award (Joshua Searle)	2019

## **AWARDS**

Featured Faculty Profile, Bryn Mawr Alumnae Bulletin	2022
Children's Hospital of Philadelphia Distinguished Research Trainee	2018
Society for Neuroscience Trainee Professional Development Award	2017
Children's Hospital of Philadelphia Translational Research Workshop for Basic Scientists	2017
Randall Sakai Travel Award for Neurobiology of Stress Workshop	2016
Children's Hospital of Philadelphia Discovery to Innovation Poster Day Award	2016
GAPSA Student Travel Award	2012
Jameson/Hurvich Travel Award	2011, 2012
<i>Summa Cum Laude</i> Graduate for BS in both Physiology/Neurobiology and Psychology	2008
John O. Whitney Scholarship	2007
Philip Merrill Scholar Award	2007
College Park Scholars Outstanding Achievement Award	2006
National Society of Collegiate Scholars	2005-2008
St. Michael's Scholarship	2005-2007
Primmannum Honor Society	2005-2008
College Park Scholars	2004-2006
8 consecutive semesters of Academic Honor Awards	2004-2008

## **PUBLICATIONS/MANUSCRIPTS IN PRESS**

<sup>BMC</sup> indicates Bryn Mawr College mentee, <sup>M</sup> indicates mentees from other institutions

**Grafe LA**, Miller KE, Ross RJ, Bhatnagar S (2024) The importance of REM sleep fragmentation in the effects of stress on sleep: Perspectives from preclinical studies. *Neurobiology of Stress* 28:100588. <https://doi.org/10.1016/j.ynstr.2023.100588>

Tong R, Kahn U, **Grafe LA**, Hitti FL, Fried NT, Corbett BF (2023) Stress-regulated interactions between the immune and nervous system: implications for pain and behavior. *Frontiers in Psychiatry*. <https://doi.org/10.3389/fpsy.2023.1240783>

<sup>BMC</sup>Gargiulo AT, <sup>BMC</sup>Hu J, <sup>BMC</sup>Ravaglia IC, <sup>BMC</sup>Hawks AC, <sup>BMC</sup>Li X, <sup>BMC</sup>Sweasy K, **Grafe LA** (2022) Sex differences in cognitive flexibility are driven by the estrous cycle and stress-dependent. *Frontiers in Behavioral Neuroscience*. <https://doi.org/10.3389/fnbeh.2022.958301>

<sup>BMC</sup>Gargiulo AT, Peterson LM, **Grafe LA** (2021) Stress, coping, resilience and sleep during the Covid-19 pandemic: A representative survey study of US adults. *Brain and Behavior*. <https://doi.org/10.1002/brb3.2384>

- Highlighted by *Time* Magazine  
<https://time.com/6201005/ambient-stress-pandemic-mental-health/>

<sup>BMC</sup>Gargiulo AT, <sup>BMC</sup>Jasodanand V, <sup>M</sup>O'Mara L, Luz S, Bhatnagar S\* **Grafe LA\*** (2021) Sex differences in stress-induced sleep deficits. *Stress: The International Journal on the Biology of Stress*. DOI: [10.1080/10253890.2021.1879788](https://doi.org/10.1080/10253890.2021.1879788) \*Co-senior authors

<sup>BMC</sup>Gargiulo AT, <sup>BMC</sup>Li X, **Grafe LA** (2020) Assessment of Stress Effects on Cognitive Flexibility using an Operant Strategy Shifting Paradigm. *Journal of Visual Experiments*, 159. doi : 10.3791/61228

**Grafe LA**, <sup>M</sup>O'Mara LA, <sup>M</sup>Branch A, <sup>M</sup>Dobkin J, Luz S, Vigderman A, Shingala A, Kubin L, Ross R, Bhatnagar S (2020) Passive Coping Strategies During Repeated Social Defeat Are Associated With Long-Lasting Changes in Sleep in Rats. *Frontiers in Systems Neuroscience*, 14:6. doi : 10.3389/fnsys.2020.00006

**Grafe LA**, Bhatnagar S (2020) The contribution of orexins to sex differences in the stress response. *Brain Research*, 1731:145893. doi : 10.1016/j.brainres.2018.07.026

**Grafe LA**, <sup>M</sup>Geng E, Corbett BF, Urban K, Bhatnagar S (2019) Sex- and Stress-Dependent Effects on Dendritic Morphology and Spine Densities in Putative Orexin Neurons. *Neuroscience*, 418: 266-278. doi : 10.1016/j.neuroscience.2019.08.026

<sup>M</sup>Eacret DE, **Grafe LA**, Gotter AL, Renger JJ, Winrow CJ, Bhatnagar S (2019) Orexin signaling during social defeat stress influences subsequent social interaction behaviour and recognition memory. *Behavioural Brain Research*, 356:444-452. doi : 10.1016/j.bbr.2018.05.032

**Grafe LA**, Bhatnagar S (2018) Orexins & Stress. *Frontiers in Neuroendocrinology*, 51:132-145. doi : 10.1016/j.yfrne.2018.06.003

Dustrude ET, Caliman IF, Bernabe CF, **Grafe LA**, Bhatnagar S, Bonaventure P, Johnson PL, Molosh AI, Shekar A (2018). Postsynaptic Orexin 1 Receptor facilitates Central Amygdala Neuron Depolarization via Sodium-Calcium Exchanger. *Frontiers in Neuroscience*, 12:934. doi : 10.3389/fnins.2018.00934

**Grafe LA**, <sup>M</sup>Eacret DE, <sup>M</sup>Dobkin J, Bhatnagar S (2018) Reduced orexin system function underlies resilience to repeated social defeat stress. *ENeuro*, 5(2). doi : 10.1523/ENEURO.0273-17.2018

**Grafe LA**, <sup>M</sup>Eacret DE, Luz S, Gotter AL, Renger JJ, Winrow CJ, Bhatnagar S (2017) Orexin 2 receptor regulation of the hypothalamic–pituitary–adrenal (HPA) response to acute and repeated stress. *Neuroscience*, 348:313–323. doi : 10.1016/j.neuroscience.2017.02.038

**Grafe LA**, <sup>M</sup>Cornfeld A, Luz S, Valentino R, Bhatnagar S (2017) Orexins Mediate Sex Differences in the Stress Response and in Cognitive Flexibility. *Biological Psychiatry*, 81:683–692. doi : 10.1016/j.biopsych.2016.10.013

**Grafe LA**, Flanagan-Cato LM (2016) Differential effects of mineralocorticoid and angiotensin II on incentive and mesolimbic activity. *Hormones and Behavior*, 79:28–36. doi : 10.1016/j.yhbeh.2015.12.002

**Grafe LA**, <sup>M</sup>Takacs AE, Yee DK, Flanagan-Cato LM (2014) The Role of the Hypothalamic Paraventricular Nucleus and the Organum Vasculosum Lateral Terminalis in the Control of Sodium Appetite in Male Rats. *Journal of Neuroscience*, 34:9249–9260. doi : 10.1523/JNEUROSCI.3979-13.2014

**Felgendreger LA**, Fluharty SJ, Yee DK, Flanagan-Cato LM (2013) Endogenous angiotensin II-induced p44/p42 mitogen-activated protein kinase activation mediates sodium appetite but not thirst or neurohypophysial secretion in male rats. *Journal of Neuroendocrinology*, 25:97-106. doi : 10.1111/j.1365-2826.2012.02376.x

**MANUSCRIPTS UNDER REVIEW**

<sup>BMC</sup> indicates Bryn Mawr College mentee, <sup>M</sup> indicates student mentee, \* indicates co-senior authors

<sup>BMC</sup>Ravaglia IC, <sup>BMC</sup>Jasodanand V, Bhatanagar S, **Grafe LA** (2024) Sex differences in body temperature and neural power spectra in response to repeated stress. In revision at *Stress: The International Journal on the Biology of Stress*.

**RESEARCH SKILLS**

*Surgical Procedures:* Cannulations (*icv* and parenchymal), Viral Injections/Applications (including Designer Receptors Exclusively Activated by Designer Drugs; DREADDs), Cerebrospinal Fluid Collection, Telemetry Implants (measuring EEG, EMG, & core body temperature), Ovariectomies

*Behavioral Paradigms and Analysis:* Restraint, Social defeat, Progressive ratio, Fear conditioning, Forced swim test, Social interaction, Open field, Elevated plus maze, Attentional set shifting, Drinking tests, Fitbit Measures and Analysis

*Endocrine Analysis:* Enzyme-Linked Immunosorbent Assay (ELISA), Radioimmunoassay, Estrous Cycle Monitoring

*Molecular Biology:* Immunofluorescence and Immunohistochemistry (Dual labeling), Western Blots, QPCR, Chromatin Immunoprecipitation (CHIP), Flow Cytometry, In Situ Hybridization

*Computer Programs and Statistical Analysis:* Ethovision (video tracking behavior), Neuroscore (sleep analysis), Excel PowerQuery and PowerBi, GraphPad Prism, Statistica, SPSS, Jamovi, Mendeley, Zotero

**RESEARCH MENTORING****Bryn Mawr College (Faculty Mentor)**

Fayeza Akter (Neuroscience Senior Thesis)	2023-present
Candy Li (Summer Research + Independent Study)	2023-present
Maya Peiris (Summer Research + Neuroscience Senior Thesis)	2023-present
Serena Xu (Summer Research + Neuroscience Senior Thesis)	2023-present
Christine Wang (Psychology Senior Thesis)	2023-present
Grace Zhang (Neuroscience Senior Thesis)	2023-present
Jourdan Catchings (Neuroscience Senior Thesis)	2022-2023
Emily Kuser (Neuroscience Senior Thesis; Honors)	2022-2023
Sydney Collins (Psychology Senior Thesis; Honors)	2022-2023
Andrea Tendilla (Psychology Senior Thesis; Honors)	2022-2023
Faye Shih (Volunteer + Neuroscience Senior Thesis; Honors)	2020-2022
Dori Hoffman Filler (Independent Study)	2022
Annie Hawks (Summer Research + Independent Study)	2021-2022
Halcyon Hu (Volunteer + Psychology Senior Thesis; Honors)	2021-2022
Andrew Gargiulo (Postdoctoral Fellow)	2020-2022
Isabella Ravaglia (Ind. Study + Summer Research + Neuroscience Senior Thesis; Honors)	2020-2022
Xinguo Zhang (Psychology Senior Thesis; Honors)	2020-2021
Julia Snoza (Psychology Senior Thesis)	2020-2021
Antonia Caffrey (Summer Research + Psychology Senior Thesis)	2020-2021
Yulia Iashmolkina (Summer Research + Independent Study)	2020
Reyna Gariepy (Independent Study + Neuroscience Senior Thesis)	2019-2021
Varuna Jasodanand (Psychology Senior Thesis; Honors)	2019-2020
Ariel Li (Summer Research + Psychology Senior Thesis)	2019-2020

Laura Grafe, PhD

Claire Eckstein-Indik (Independent Study)	2019
Emily Saks (Independent Study + Summer Research)	2019
Katherine Sweasy (Independent Study + Psychology Senior Thesis; Honors)	2018-2020
Hannah Zamore (Psychology Senior Thesis; Honors)	2018-2019
Rebecca Kaplan (Psychology Senior Thesis; Honors)	2018-2019
Meghana Koduru (Independent Study)	2018

**Haverford College (Faculty Mentor)**

Katelyn Tu (Neuroscience Senior Thesis)	2022-2023
Joshua Searle (Summer Research)	2019

**Children's Hospital of Philadelphia (Postdoctoral Mentor)**

Melanie Schaffler	2018
Lauren O'Mara	2017-2018
Eric Geng	2017-2018
Ria Chhabra	2017
Elizabeth Feindt-Scott	2017
Jane Dobkin	2015-2018
Anna Branch	2015-2018
Amanda Cornfeld	2014-2016

**University of Pennsylvania (Graduate Student Mentor)**

Olivia Kim	2013
Shivani Shah	2012
Annie Takacs	2011-2013
Jabez Yeo	2011
Klil Babin	2010-2012
Margarita Levin	2010

**TALKS**

Bryn Mawr Alumni Reunion Faculty Talks, "*How stress affects the brain and behavior*". Bryn Mawr College, May 2023

International Behavioral Neuroscience Society Annual Meeting: "*The Contributions of orexins to sex differences in the stress response*." Glasgow, Scotland, June 2022

California State University Brain Alliance Colloquium: "*Sex Differences in Sleep and Cognition after Stress in rats: Examining the Role of the Orexin System*." California State University System, February 2022

Children's Hospital of Philadelphia Panel: "*Exploring careers in academic teaching*." Philadelphia, PA October 2021

Board of Trustees Plenary Session at Bryn Mawr College: "*The Bi-Collegiate Interdisciplinary Neuroscience Program*." Bryn Mawr, PA, October 2021

Bi-Collegiate Psychology of Racism 3 Part Teach-in Series: "*Reducing Racial Bias*." Bryn Mawr and Haverford Colleges (Virtual), April 2021

Works in Progress Seminar: "*Brainstorming: Understanding Stress Neurobiology and It's Translation into Social Work Practice*." Bryn Mawr College, Bryn Mawr, PA March 2020 (Canceled due to COVID-19 Pandemic)

Laura Grafe, PhD

Bryn Mawr Psychology Department: *"Identifying a neural substrate of stress vulnerability."* Bryn Mawr, PA, February 2018

Stress Neurobiology Lecture Series: *"Identifying a neural substrate of stress vulnerability."* Children's Hospital of Philadelphia, Philadelphia, PA, January 2018

Organization for the Study of Sex Differences Annual Meeting: *"Orexins contribute to sex differences in the HPA response and in cognitive function."* Philadelphia, PA, May 2016

Brain and Cognitive Science Seminar at Temple University: *"Orexins contribute to sex differences in the HPA response and in cognitive function."* Temple University, Philadelphia, PA, February 2016

Society for Neuroscience Annual Meeting Nanosymposium: *"Orexins may contribute to sex differences in the HPA response and in cognitive function."* Chicago, IL, October 2015

University of Pennsylvania Neuroscience Program: *"Cellular Mechanisms and Neural Control of Sodium Appetite in Male Rats."* Upenn, Philadelphia, PA, December 2013

### **CONFERENCE PRESENTATIONS**

<sup>BMC</sup> indicates Bryn Mawr College mentee, <sup>M</sup> indicates student mentee

<sup>BMC</sup>J. Catchings, <sup>BMC</sup>E. Kuser, <sup>BMC</sup>K. Tu and **L.A. Grafe**. The role of the menstrual cycle in stress, coping, and sleep in women. Tri-Co Neuroscience Symposium, 2023.

<sup>BMC</sup>I. Ravaglia and **L.A. Grafe**. Sex differences in body temperature and neural power spectra in response to repeated stress. Tri-Co Neuroscience Symposium, 2022.

<sup>BMC</sup>I. Ravaglia and **L.A. Grafe**. Sex differences in body temperature and neural power spectra in response to repeated stress. Neuroscience Undergraduate Research Virtual Symposium II (NURVS II), 2022.

<sup>BMC</sup>A.T. Gargiulo, <sup>BMC</sup>I. Ravaglia, <sup>BMC</sup>A. Hawks, and **L.A. Grafe**. Sex differences in the effects of acute stress on cognitive flexibility in rodents. Society for Neuroscience, 2021.

<sup>BMC</sup>A.T. Gargiulo, L.M. Peterson, and **L.A. Grafe**. Stress, coping, resilience, and sleep in the midst of the Covid-19 pandemic: A representative survey study of US adults. Society for Neuroscience Philadelphia Chapter (Virtual), 2021.

<sup>BMC</sup>A.T. Gargiulo, L.M. Peterson, and **L.A. Grafe**. Coping, stress, and sleep in the midst of the Covid-19 pandemic: A representative survey study of US adults. American Psychosomatic Society (Virtual), 2020.

**L.A. Grafe**, KR Urban, <sup>M</sup>E Geng, S Bhatnagar. Morphology and spine densities in orexin neurons after repeated stress in male and female rats. Society for Neuroscience, 2018.

**L.A. Grafe**, S. Luz, S. Bhatnagar. Orexins and sex differences in stress-induced cognitive and sleep deficits. Society for Neuroscience, 2017.

**L.A. Grafe**, <sup>M</sup>A. Cornfeld, S. Luz, H. Guajardo, R. Valentino, S. Bhatnagar. Orexins contribute to sex differences in habituation to stress and cognitive function. Neurobiology of Stress Workshop, 2016.

**L.A. Grafe**, <sup>M</sup>A. Cornfeld, S. Luz, H. Guajardo, R. Valentino, S. Bhatnagar. Orexins contribute to sex differences in habituation to stress and cognitive function. Children's Hospital of Philadelphia Research Poster Day, 2016.

**L.A. Grafe**, S. Luz, S. Bhatnagar. Orexins may contribute to sex differences in adaptations to stress. Society for Neuroscience, 2014.

**L.A. Grafe**, S. Luz, S. Bhatnagar. Orexins may contribute to sex differences in adaptations to stress. Neurobiology of Stress Workshop, 2014.

**L.A. Felgendreger**, D.C. Olaleye, S.J. Fluharty, D.K. Yee, and L.M. Flanagan-Cato. Extracellular signal-related kinase 1 and 2 (erk 1/2) activation does not mediate the angiotensin II-aldosterone potentiation of sodium appetite. Society for Neuroscience, 2012.

**L.A. Felgendreger**, D.C. Olaleye, D.K. Yee, and L.M. Flanagan-Cato. The role of MAPK activation in angiotensin II and aldosterone potentiation of sodium appetite. Society for Behavioral Neuroendocrinology, 2012.

**L.A. Felgendreger**, D.K. Yee, L.M. Flanagan-Cato. The role of MAPK signaling in the central effects of Angiotensin II. Society for Neuroscience, 2011.

**L.A. Felgendreger**, D.K. Yee, and L.M. Flanagan-Cato. The Role of MAPK Signaling in Angiotensin II-induced Vasopressin Release. World Conference on Neurohypophysial Hormones, 2011.

**L.A. Felgendreger**, D.K. Yee, and L.M. Flanagan-Cato. The role of MAPK signaling in a model of endogenous angiotensin II-induced water and sodium appetite. Society for Neuroscience, 2010.

D. K. Yee, **L.A. Felgendreger**, L. M. Flanagan-Cato. Direct injection of an anti-angiotensin type 1 receptor duplex small interfering RNA (siRNA) into rat brain: A traceable reagent that reduces angiotensin binding, signal transduction, and thirst. Society for Neuroscience, 2010.

**L.A. Felgendreger**, D.K. Yee, and L.M. Flanagan-Cato. Mitogen Activated Protein Kinase (MAPK) signaling mediates water and sodium ingestion in a model of elevated endogenous angiotensin II (ANGII). Society for the Study of Ingestive Behavior, 2010.

G.E. Hodes, **L.A. Felgendreger**, I. Lucki. A mouse model of neuroprotection from stress? Strain differences on the effect of corticosterone on neurogenesis. Society for Neuroscience, 2009.

## **COURSES TAUGHT**

Neuroscience Senior Capstone (NEURB399), Bryn Mawr College	2023
Senior Seminar in Psychology (PSYCB399), Bryn Mawr College	2021
Introduction to Psychology (PSYCB105), Bryn Mawr College	2019-present
Behavioral Neuroscience (PSYCB218), Bryn Mawr College	2019-present
Stress Neuroscience (PSYCB315), Bryn Mawr College	2019-present
Behavioral Neuroscience Lab (PSYCB286), Bryn Mawr College	2019-present
Neuroendocrinology (BBB460), UPenn, Guest Lecturer	2018
Stress Neuroscience (BBB469), UPenn, Adjunct Professor	2015-2016
Psychology of Learning (PSY325), Drexel University, Adjunct Professor	2015
Physiology of Motivated Behavior (BBB227/PSYC127), UPenn, Guest Lecturer	2014
Neuroendocrinology (BBB260), UPenn, Guest Lecturer	2013
Introduction to the Brain and Behavior (BIOL219/PSYC109) Teaching Assistant	2010-2011

## **OTHER TEACHING EXPERIENCE AND TRAINING**

Skype A Scientist (connects scientists with K-12 students)	2024
AALAC Meeting: Bringing Project Based Learning to Introductory Courses (NY, NY)	2022

Laura Grafe, PhD	
Neuroscience Research Academy, UPenn, Lecturer <i>Summer Program to teach high school students about the brain</i>	2016
Center for Teaching and Learning Teaching Certificate <i>Comprised of teaching for 2 semesters, teaching observations, &amp; workshops</i>	2013
Course in College Teaching <i>10-session seminar preparing graduate students to teach college-level courses</i>	2012
TA Trainer for the Center for Teaching and Learning <i>Instructing new TAs how to grade and lead both recitations and lab sessions</i>	2011
Neuroscience Boot Camp Breakout Session Leader <i>Program to give working professionals a basic foundation in neuroscience</i>	2010-2015
Upward Bound Neuroscience Teacher <i>College preparatory program for underprivileged high school students</i>	2009-2013

## **SERVICE**

Councilor for Faculty for Undergraduate Neuroscience (elected position)	2022-present
STEMLA Fellow Mentor (supports first gen, low-income students in STEM)	2022-present
Member, Counseling Psychologist Search Committee	Fall 2022
Senior Exit Interviews	2021
Biology Thesis Second Reader/Consultant	2021
Interdisciplinary Education Academic Panel (for admitted students)	2021
Program Director for Neuroscience Major and Minor at Bryn Mawr	2020-present
Institutional Review Board (IRB; Human Subjects) member at Bryn Mawr College	2020-present
Poster Judge, Society for Neuroscience Philadelphia Chapter	2020-present
Member, Clinical Psychologist Search Committee	Spring 2021
Member, Social Psychologist Search Committee	Fall 2019
Member, Bucher-Jackson Postdoctoral Search Committee	Spring 2019
Neuroscience Major Working Group	2018-present
Institutional Animal Care and Use Committee (IACUC) member at Bryn Mawr College	2018-present
Psychology Major/Minor Advisor	2018-present
Neuroscience Major/Minor Advisor	2018-present
Manuscript Reviewer for: <i>Neurobiology of Stress, Stress (The International Journal on the Biology of Stress), Frontiers in Neuroscience, Frontiers in Psychiatry, Frontiers in Neuroendocrinology, Frontiers in Integrative Neuroscience, Physiology and Behavior, Hormones and Behavior, Behavioural Brain Research, Progress in Neuropsychopharmacology &amp; Biological Psychiatry, Scientific Reports, Canadian Journal of Physiology and Pharmacology, Psychoneuroendocrinology, Sage Open Nursing, Psychopharmacology</i>	2018-present
Faculty Partner (Teaching & Learning Institute; Student consultant: Marley Asplundh)	2018
Organizer for the Stress Neurobiology Lecture Series <i>Weekly presentations from local scientists about stress and the brain</i>	2015-2018
Workshop leader in Secrets of Successful Scientists <i>Lecture series where Principal Investigators give graduate students advice on how to succeed in relevant areas of academia</i>	2012-2013
Regional Brain Bee Organizer <i>Society for Neuroscience's competition for high school students</i>	2010-2012
Kids Judge Group Leader <i>Neuroscience fair for local fourth graders</i>	2010-2013

## **PROFESSIONAL MEMBERSHIPS**

International Behavioral Neuroscience Society	2021-present
Power Neuro (Women in Neuroscience)	2021-present
Faculty for Undergraduate Neuroscience (FUN)	2019-present



Laura Grafe, PhD

Neurobiology of Stress Workshop

Society for Neuroscience

Organization of the Study of Sex Differences

National Postdoctoral Association

Society for Study of Ingestive Behavior

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2014-present

2008-present

2014-2018

2014-2018

2009-2010