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Research A2013

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

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Featured Faculty Profile, Bryn Mawr Alumnae Bulletin	2022
Children s Hospital of Philadelphia Distinguished Research Trainee	2018
Society for Neuroscience Trainee Professional Development Award	2018

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C.1?5!H", ^MO Mara LA, ^MBranch A, ^MDobkin 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. 14:6. doi : 10.3389/fnsys.2020.00006

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C.1?5!H", Bhatnagar S (2020) The contribution of orexins to sex differences in the stress response. 1731:145893. doi : 10.1016/j.brainres.2018.07.026

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C.1?5!H", ^MGeng E, Corbett BF, Urban K, Bhatnagar S (2019) Sex- and Stress-Dependent Effects on Dendritic Morphology and Spine Densities in Putative Orexin Neurons. 418: 266-278. doi : 10.1016/j.neuroscience.2019.08.026

^MEacret DE, **C.1?5!H"**, Gotter AL, Renger JJ, Winrow CJ, Bhatnagar S (2019) Orexin signaling during social defeat stress influences subsequent social interaction behaviour and recognition memory! doi : 10.1016/j.bbr.2018.05.032

C.1?5!H", Bhatnagar S (2018) Orexins & Stress. 51:132-145. doi : 10.1016/j.yfrne.2018.06.003

Dustrude ET, Caliman IF, Bernabe CF, **C.1?5!H"**, Bhatnagar S, Bonaventure P, Johnson PL, Molosh AI, Shekar A (2018). Postsynaptic Orexin 1 Receptor facilitates Central Amygdala Neuron Depolarization via Sodium-Calcium Exchanger. 12:934. doi : 10.3389/fnins.2018.00934

C.1?5!H"!^MEacret DE, ^MDobkin J, Bhatnagar S (2018) Reduced orexin system function underlies resilience to repeated social defeat stress. 5(2). doi : 10.1523/ENE .0273-17.2018!

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C.1?5!H", ^MEacret 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. 348:313–323. doi : 10.1016/. .2017.02.038

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C.1?5!H", ^MCornfeld A, Luz S, Valentino R, Bhatnagar S (2017) Orexins Mediate Sex Differences in the Stress Response and in Cognitive Flexibility. 81:683–692. doi : 10.1016/j.biopsycho.2016.10.013

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C.1?5!H", Flanagan-Cato LM (2016) Differential effects of mineralocorticoid and angiotensin II on incentive and mesolimbic activity. 79:28–36. doi : 10.1016/j.yhbeh.2015.12.002

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C.1?5!H", ^MTakacs 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. 34:9249–9260. doi : 10.1523/JNEUROSCI.3979-13.2014

E546509.565.!H", 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. 25:97-106. doi : 10.1111/j.1365-2826.2012.02376.x

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^{BMC} indicates Bryn Mawr College mentee, ^M indicates student mentee, * indicates co-senior authors

^{BMC}Ravaglia IC, ^{BMC}Jasodanand V, Bhatanagar S, **C.1?5!H"!**(2024) Sex differences in body temperature and neural power spectra in response to repeated stress. In revision at

Laura Grafe, PhD

Claire Eckstein-Indik /4)5"6")5")7*+7#58.	2019
Emily Saks /4)5"6")5")7*+7#58*3*+#0 0 "\$*1 "&"2\$' - .	2019
Katherine Sweasy /4)5"6")5")7*+7#58*3*9&8' -%:%;8*+")(%\$*, - "&(<*=%)%\$&.	2018-2020
Hannah Zamore /9&8' -%:%;8*+")(%\$*, - "&(<*=%)%\$&.	2018-2019
Rebecca Kaplan /9&8' -%:%;8*+")(%\$*, - "&(<*=%)%\$&.	2018-2019
Meghana Koduru /4)5"6")5")7*+7#58.	2018

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Katelyn Tu / ! "#\$%&' (") '*+ ")(%\$*, - "&(<=&.	2022-2023
Joshua Searle /+#0 0 "\$*1 "&"2\$' - .*	2019

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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

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Laura Grafe, PhD
Bryn Mawr Psychology Department:
PA, February 2018

Bryn Mawr,

Stress Neurobiology Lecture Series:
Hospital of Philadelphia, Philadelphia, PA, January 2018

Children s

Organization for the Study of Sex Differences Annual Meeting:
Philadelphia, PA, May 2016

Brain and Cognitive Science Seminar at Temple University
Temple University, Philadelphia, PA, February 2016

Society for Neuroscience Annual Meeting Nanosymposium:
Chicago, IL, October 2015

University of Pennsylvania Neuroscience Program:
Upenn, Philadelphia, PA, December 2013

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HJ" JIC.1?5!S. Luz, S. Bhatnagar. Orexins may contribute to sex differences in adaptations to stress. Society for Neuroscience, 2014.

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HJ" JIC.1?5!S. Luz, S. Bhatnagar. Orexins may contribute to sex differences in adaptations to stress. Neurobiology of Stress Workshop, 2014.

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HJ" JIE546509.565., 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.

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HJ" JIE546509.565., 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.

HJ" JIE546509.565., D.K. Yee, L.M. Flanagan-Cato. The role of MAPK signaling in the central effects of Angiotensin II. Society for Neuroscience, 2011.

HJ" JIE546509.565., 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.

HJ" JIE546509.565., 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, HJ" JIE546509.565., 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.

HJ" JIE546509.565., 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, HJ" JIE546509.565., I. Lucki. A mouse model of neuroprotection from stress? Strain differences on the effect of corticosterone on neurogenesis. Society for Neuroscience, 2009.

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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

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Laura Grafe, PhD	
Neuroscience Research Academy, UPenn, Lecturer	2016
Center for Teaching and Learning Teaching Certificate	2013
Course in College Teaching	2012
TA Trainer for the Center for Teaching and Learning	

Laura Grafe, PhD
Neurobiology of Stress Workshop
Society for Neuroscience
Organization of the Study of Sex Di

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2014-present
2008-present