

# Debra Bangasser, Ph.D.

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## EDUCATION

- Doctor of Philosophy**, Biopsychology and Behavioral Neuroscience, Rutgers University, 2007  
New Brunswick, NJ, January 2007  
Dissertation: *The modulation of learning by stress: Identification of critical circuitry*
- Master of Science**, Biopsychology and Behavioral Neuroscience, Rutgers University, 2005  
New Brunswick, NJ,  
Thesis: *The bed nucleus of the stria terminalis is necessary for the persistent enhancement of conditioning after stress*
- Bachelor of Arts**, Majored in Psychology, Minored in Biology, San Diego State University, 2001  
San Diego, CA,  
Honors: *Summa Cum Laude*, Phi Beta Kappa

## FACULTY POSITIONS

- Associate Director**, Center for Behavioral Neuroscience, Georgia State University, Atlanta, GA 2022–Present
- Distinguished Investigator**, Georgia Research Alliance, GA 2022–Present
- Professor (with tenure)**, Neuroscience Institute, Georgia State University, Atlanta, GA 2022–Present
- Director**, College of Liberal Arts Program in Neuroscience: Systems, Behavior, and Plasticity, Temple University, Philadelphia, PA 2019–2022
- Associate Professor** (with tenure), Department of Psychology and Neuroscience, Temple University, Philadelphia, PA 2018–2022
- Associate Professor** (secondary appointment), Center for Substance Abuse Research, Lewis Katz School of Medicine, Temple University, Philadelphia, PA 2018–2022
- Director**, Master's Program in Neuroscience: Systems, Behavior, and Plasticity, Temple University, Philadelphia, PA 2016–2019
- Assistant Professor** (tenure track), Department of Psychology and Neuroscience Program, Temple University, Philadelphia, PA 2012–2018

## RESEARCH POSITIONS

- Postdoctoral Fellow**, Stress Neurobiology, The Children's Hospital of Philadelphia, Philadelphia, PA, Laboratory of Dr. Rita J. Valentino, 2006–2012  
Studied sex differences in corticotropin releasing factor receptor structure and function as a mechanism underlying sex differences in vulnerability to psychiatric disorders

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<b>Graduate Student</b> , Biopsychology and Behavioral Neuroscience, Rutgers University, New Brunswick, NJ, Laboratory of Dr. Tracey J. Shors Investigated the neuroanatomy underlying sex differences in the effects of stress on learning	2001–2006
<b>Summer Intern</b> , National Institute of Neurological Disorders and Stroke, National Institutes of Health, Bethesda, Laboratory of Dr. Jordan Grafman, Assessed participants and designing visual stimuli for an fMRI study on the effects of cognitive processing on emotionally charged images	2000
<b>Research Assistant</b> , Department of Psychology, San Diego State University, San Diego, CA, Laboratory of Dr. Phillip J. Langlais Investigated deficits in attention and cognition in a thiamine deficiency model of Wernickie-Korsakoff's syndrome in rats	1999–2001

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### AWARDS AND HONORS (35 total)

<b>Faculty Senate Service Award</b> , Temple University	2022
<b>Fellow</b> , International Behavioral Neuroscience Society	2021
<b>Presidential Faculty Teaching Award</b> , the College of Liberal Arts, Temple University	2020
<b>Member</b> , American College of Neuropsychopharmacology	2020
<b>Excellence in Mentoring Award</b> , Department of Psychology Honors Students, Temple University	2016
<b>Janett Rosenberg Trubatch Career Development Award</b> , Society for Neuroscience	2015
<b>Presidential Citation</b> , American Psychological Association	2014
<b>Travel Fellowship</b> , Winter Conference on Brain Research	2014
<b>Associate Member</b> , American College of Neuropsychopharmacology	2013
<b>Science Undergraduate Research Grant</b> , LI-COR Biosciences	2013
<b>Poster Award</b> , The Children's Hospital of Philadelphia Research Poster Day	2012
<b>Associate Faculty Member</b> , Faculty of 1000 Post-Publication Peer Review	2011
<b>Proteomics Course</b> , Cold Spring Harbor Laboratory	2011
<b>Distinguished Research Trainee Award</b> , The Children's Hospital of Philadelphia	2011
<b>Poster Award</b> , The Children's Hospital of Philadelphia Research Poster Day	2011
<b>Julius Axelrod Travel Award</b> , Society for Neuroscience Meeting	2010
<b>Poster Award</b> , Society for Behavioral Neuroendocrinology Meeting	2010
<b>Travel Award</b> , Society for Behavioral Neuroendocrinology Meeting	2010
<b>Young Investigator Award</b> , Gordon Research Conference Catecholamines	2009
<b>Young Investigator Award</b> , Workshop on Steroid Hormones and Brain Function	2009
<b>Young Scientist Travel Award</b> , American Society for Pharmacology and Experimental Therapeutics Conference	2009
<b>Travel Awardee Breakout Session</b> , American College of Neuropsychopharmacology Conference	2008
<b>Young Investigator Memorial Travel Award</b> , American College of Neuropsychopharmacology Conference	2008
<b>Postdoctoral Scientist Award</b> , American Society for Pharmacology and Experimental Therapeutics Conference, Neuropharmacology Division	2008
<b>Hot Topic</b> , American College of Neuropsychopharmacology Conference	2007
<b>Poster Award</b> , Biomedical Postdoctoral Research Symposium, University of Pennsylvania	2007
<b>Poster Award</b> , Society for Behavioral Neuroendocrinology Meeting	2006
<b>Graduate Fellow</b> , Rutgers Women in Neuroscience	2004
<b>Research Scholarship</b> , Western Psychological Association Meeting	2001
<b>Research Award</b> , Psi Chi, San Diego State University	2001
<b>Research Award</b> , College of Science Symposium, San Diego State University	2001

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<b>Poster Award</b> , Psi Chi Poster Day, San Diego State University	2001
<b>Commencement Speaker</b> , San Diego State Psychology Department	2001
<b>Graduate School Scholarship</b> , Phi Beta Kappa's Epsilon Association	2001
<b>Graduate School Scholarship</b> , Mortar Board	2001

### **ONGOING GRANTS**

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<b>R01 DA056534</b> , MPIs: Bangasser, Wimmer; Cols: Briand, Heller, Venniro Delineating the epigenetic and neural mechanisms by which early life scarcity alters motivated behavior	2022–2027
<b>*R21 MH129020</b> , MPIs: Bangasser, Yang Cols: Arnold Discriminating hormonal and sex chromosomal origins of sex differences in the septohippocampal circuit <b>*Perfect Score: Impact factor = 10, Percentile = 1.0</b>	2022–2024
<b>Catalytic Collaborative Research</b> , Temple, PI: Wimmer, Cols: Bangasser, Ross, Zhau Delineating cell-specific signatures of early life stress in reward-related neural networks	2022–2024
<b>Supplement R01DA049837</b> , PI: Bangasser, Supplement PI: Cuarenta Diversity Supplement to support 2 years of Dr. Cuarenta's research	2021–2023
<b>R01 DA049837</b> , PI: Bangasser, Cols: Briand and Wimmer Sex differences in stress inoculation of addiction-like phenotypes	2020–2025
<b>NSF Award</b> , IOS-1929829, PI: Bangasser, Col: Parikh Sex differences in corticotropin releasing factor regulation of the septohippocampal memory circuit	2020–2025
<b>1U01MH124639</b> PIs: Woods, Kane, Bearden; subPI: Ellman, Col: Bangasser ProNET: Psychosis-Risk Outcomes Network	2020–2023

### **PENDING GRANTS**

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<b>R21 DA055846</b> , MPIs: Wimmer, Bangasser, Reiner Cell-specific epigenetic and transcriptomic signatures of impulsivity and its regulation by stress in the nucleus accumbens Status: Impact factor = 20, Percentile = 6.0	2022–2024
<b>R25 NS130632</b> , PI: Bangasser, Cols: Brand, Helion The Building Research Independence by Developing Goals and Hands-on Experiences (BRIDGE) Program Status: Impact factor = 29, PO is enthusiastic about proposal, if funded PI role will transfer	2022–2027

### **COMPLETED GRANTS**

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<b>Supplement NSF CAREER</b> , IOS-1552416, PI: Bangasser, Co-I: Becker These additional funds promote collaboration with Dr. Elizabeth Becker at St. Joseph's University as part of NSF's Research at Undergraduate Institutions Initiative	2017–2022
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<b>NSF CAREER Award</b> , IOS-1552416, PI: Bangasser <i>CAREER: Interactions between stress and attention circuits: Investigating corticotropin releasing factor modulation of the basal forebrain</i>	2016–2022
<b>P30 DA13429-21</b> , Core Center, PI: Unterwald, Project PI: Bangasser Pilot Project Title: Chronic stress effects on impulsivity in male and female rats	2020–2021
<b>Pennsylvania's Commonwealth Universal Research Enhancement Program (PA CURE)</b> , 420792, PI: Bangasser <i>Chronic stress regulation of attention circuits</i>	2017–2019
<b>CLARA Research Award</b> , Temple University, PI: Taylor, Co-I: Bangasser <i>Family, social, and economic predictors of the adjustment of African American late adolescent and emerging adult undergraduates</i>	2017–2018
<b>Internationalization Grant</b> , Temple University, PI: Bangasser, Co-I: Dalla <i>Neuroscience Research Collaboration with the University of Athens</i>	2017–2018
<b>iGEM Award for Genomics</b> , Temple University, PI: Bangasser <i>Chronic stress-induced transcriptional changes in cholinergic neurons critical for attention</i>	2017
<b>K99/R00</b> , Pathway to Independence, MH092438, PI: Bangasser <i>Sex differences in stress receptors underlie female vulnerability to stress</i>	2011–2016
<b>F32</b> , NRSA Postdoctoral Individual Fellowship, MH084423, PI: Bangasser <i>Sex differences in the corticotropin-releasing factor receptor</i>	2008–2011
<b>T32</b> , NRSA Postdoctoral Training Grant, MH014654, PI: Lucki	2008
<b>T32</b> , NRSA Predoctoral Training Grant, MH019957, PI: Pintar	2003–2004
<hr/> <b>MENTEE GRANTS/FUNDING FOR MENTORED RESEARCH (24 total)</b> <hr/>	
<b>Liberal Arts Undergraduate Research Award (LAURA)</b> , Temple University, Mentor: Bangasser, Undergraduate Student Mentee: Rutvik Mehta <i>Effect of a low resource environment on social motivation</i>	2022
<b>Diamond Research Scholar</b> , Temple University, Mentor: Bangasser, Undergraduate Student Mentee: Alexandra Hehn <i>Effect of a low resource environment on cocaine seeking and craving in rats</i>	2022
<b>T32</b> , Training Grant, DA007237, PI: Unterwald, Mentor: Parikh, CoMentor: Bangasser Graduate Student: Alyssa Kniffin <i>Drugs of abuse and related neuropeptides</i>	2021–Present
<b>Liberal Arts Undergraduate Research Award (LAURA)</b> , Temple University, Mentor: Bangasser, Undergraduate Student Mentee: Alexandra Hehn <i>Effect of a low resource environment on maternal motivation and defensive behaviors in rat</i>	2021
<b>Dissertation Completion Grant</b> , Graduate Board Committee of Temple University Graduate Student: Evelyn Ordoñez Sanchez	2021

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<b>T32</b> , Training Grant, DA007237, PI: Unterwald, Mentor: Bangasser Postdoctoral Fellow: Dr. Alexia Williams <i>Drugs of abuse and related neuropeptides</i>	2021–2022
<b>Liberal Arts Undergraduate Research Award (LAURA)</b> , Temple University, Mentor: Bangasser, Undergraduate Student Mentee: Alessandro Jean-Louis <i>Early Life Stress and the Impact on Risky Decision Making</i>	2021
<b>Dissertation Completion Grant</b> , Graduate Board Committee of Temple University Graduate Student: Samantha Eck	2021
<b>Liberal Arts Undergraduate Research Award (LAURA)</b> , Temple University, Mentor: Bangasser, Undergraduate Student Mentee: Charleanne Rogers <i>Early Life Stress and the Impact on Impulsivity</i>	2019
<b>Creative Arts, Research, and Scholarship (CARAS) Grant</b> , Temple University, Mentor: Bangasser, Undergraduate Student Mentee: Anosha Ahmed <i>The Effect of Early Life Stress on Cognitive Flexibility in Adolescent Rats</i>	2019
<b>Creative Arts, Research, and Scholarship (CARAS) Grant</b> , Temple University, Mentor: Bangasser, Undergraduate Student Mentee: Eric Kim <i>Determine if Early Life Stress Induced by Limited Bedding and Nesting (LBN) Model in Rodents Alters Development and Results in Precocious Puberty</i>	2019
<b>Liberal Arts Undergraduate Research Award (LAURA)</b> , Temple University, Mentor: Bangasser, Undergraduate Student Mentee: Demetrius Lee <i>Early life stress has lasting effects on development and cognition in rats</i>	2019
<b>Dissertation Completion Grant</b> , Graduate Board Committee of Temple University Graduate Student: Kimberley Wiersielis	2018
<b>Liberal Arts Undergraduate Research Award (LAURA)</b> , Temple University, Mentor: Bangasser, Undergraduate Student Mentee: Sydney Famularo <i>The long-term effects of limited nesting resources on rat mothers</i>	2018
<b>Diamond Research Scholars Program</b> , Temple University, Mentor: Bangasser, Undergraduate Student Mentee: Demetrius Lee <i>Early life stress effects on adult cognition</i>	2018
<b>Liberal Arts Undergraduate Research Award (LAURA)</b> , Temple University, Mentor: Bangasser, Undergraduate Student Mentee: Arron Hall <i>Metabolism and stress: How early life stress induces metabolic changes in rats</i>	2018
<b>T32</b> , Training Grant, DA007237, PI: Unterwald, Mentor: Bangasser, Co-Mentor: Wimmer, Graduate Student Mentee: Samantha Eck <i>Drugs of abuse and related neuropeptides</i>	2017–2020
<b>Liberal Arts Undergraduate Research Award (LAURA)</b> , Temple University, Mentor: Bangasser, Undergraduate Student Mentee: Attilio Ceretti <i>Sex differences in the regulation of spatial learning by a stress hormone</i>	2017
<b>Creative Arts, Research, and Scholarship (CARAS) Grant</b> , Temple University, Mentor: Bangasser, Undergraduate Student Mentee: Arron Hall	2017

*Chronic stress and cholinergic neurons*

- Creative Arts, Research, and Scholarship (CARAS) Grant**, Temple University, 2017  
Mentor: Bangasser Undergraduate Student Mentee: Attilio Ceretti  
*Hormones and learning: Investigating the relationship between ovarian hormones, stress hormones, and spatial learning*
- Diamond Research Scholars Program**, Temple University, Mentor: Bangasser, 2016  
Undergraduate Student Mentee: Madeleine Salvatore  
*Stress modulation of learning: A role for corticotropin releasing factor in the medial septum*
- Diamond Research Scholars Program**, Temple University, Mentor: Bangasser, 2016  
Undergraduate Student Mentee: Marni Shore  
*New technique to label cholinergic neurons reveals spiny and aspiny morphology*
- Creative Arts, Research, and Scholarship (CARAS) Grant**, Temple University, 2016  
Mentor: Bangasser, Undergraduate Student Mentee: Joy Bergmann  
*Impact of stress on the medial septum of the brain*
- Center for Scholars Program**, Temple University, Mentor: Bangasser, 2014  
Undergraduate Student Mentee: Sabina Khantsis  
*Sex differences in corticotropin-releasing factor receptor type 1 antagonist mediated anxiety-related behaviors*

**RESEARCH PAPERS (\*\*denotes postdoctoral mentee, \*\*denotes graduate, \* denotes undergraduate mentee)**

Cited over 4,500 times, H-index = 36 (Source: Google Scholar)

- Williams, A.V.<sup>\*\*\*</sup>, Flowers, J., Coates, K.S., Ingram, A., Hehn, A. T., Dupuis, M., Wimmer, M.E., Venniro, M., & **Bangasser, D.A.** (2022). Early resource scarcity alters motivation for natural rewards in a sex- and reinforcer-dependent manner, *Psychopharmacology*, In press.
- Eck, S.R.<sup>\*\*</sup>, Kokras, N., Wicks, B.<sup>\*</sup>, Baltimas, P., Hall, A.<sup>\*</sup>, van Bendegem, N.<sup>\*</sup>, Salvatore, M.<sup>\*</sup>, Cohen, S.<sup>\*</sup>, Bergmann, J.<sup>\*</sup>, Ceretti, A.<sup>\*</sup>, Parikh, V., Dalla, D., & **Bangasser, D.A.** (2022). Corticotropin releasing factor in the nucleus basalis of Meynert impairs attentional performance and reduces levels of glutamate and taurine in male and female rats, *Neuropharmacology*, 221, 109280.
- Eck, S.R.<sup>\*\*</sup>, Palmer, J.<sup>\*\*</sup>, Bavley, C., Karbalaei, R., Ordoñez Sanchez, E.<sup>\*\*</sup>, Flowers, J., Holley, A., Wimmer, M. & **Bangasser, D.A.** (2022). Effects of early life adversity on male reproductive behavior and the medial preoptic area transcriptome, *Neuropsychopharmacology*, 47, 1231–1239.
- Ordoñez Sanchez, E.<sup>\*\*</sup> & **Bangasser, D.A.** (2022). The effects of early life stress on impulsivity. *Neuroscience & Biobehavioral Reviews*, 104638, 1–13.
- Hanson, J. L, Williams, A.V.<sup>\*\*\*</sup>, **Bangasser, D.A.**, & Peña, C.J. Impact of Early Life Stress on Reward Circuit Function and Regulation. (2021). *Frontiers in Psychiatry*, 12, 1–17.
- Bangasser, D.A.** & Cuarenta, A.<sup>\*\*\*</sup>. (2021). Sex differences in anxiety and depression: circuits and mechanisms, *Nature Reviews Neuroscience*, 22, 674–684.
- Bhargava, A., Arnold, A.P, **Bangasser, D.A.**, Denton, K.M., Gupta, A., Hilliard Krause, L.M, Mayer, E.A., McCarthy, M., Miller, W.L, Raznahan, A. & Verma, R. (2021). Considering Sex as a Biological Variable in Basic and Clinical Studies: An Endocrine Society Scientific Statement, *Endocrine Reviews*, 3, 219–258.
- Ordoñez Sanchez, E.<sup>\*\*</sup>, Bavley, C.<sup>^</sup>, Deutschmann, A., Carpenter, R., Peterson, D., Karbalaei, R., Flowers, J.<sup>\*</sup>, Rogers, C.<sup>\*</sup>, Langrehr, M.<sup>\*\*</sup>, Ardekani, C., Famularo, S.<sup>\*</sup>, Bongiovanni, A.R., Knouse, M.C., Floresco, S.B., Briand, L.A., Wimmer, M.E., & **Bangasser, D.A.** (2021). Early life

- adversity promotes sex-specific resilience to opioid addiction-related phenotypes. *Proceedings of the National Academy of Sciences of the United States of America*, 118, 1–8. ^ = authors contributed equally
9. Eck, S. R.\*\* & **Bangasser, D.A.** (2020). The effects of early life stress on motivated behaviors: A role for gonadal hormones, *Neuroscience & Biobehavioral Reviews*, 119, 86–100.
  10. Eck, S. R.\*\*, Xu, S., Telenson, A.\*\*, Duggan, M.R., Cole, R., Wicks, B.\*\*, Bergmann, J.\*, Lefebvre, H.\*, Shore, M.\*, Shepard, K.A., Akins, M.R., Parikh, V., Heller, E.A., & **Bangasser, D.A.** (2020). Stress regulation of sustained attention and the cholinergic attention system, *Biological Psychiatry*, 88, 566–575. Chosen by the editor for a commentary (PMID: 32912427).
  11. Eck, S. R.\*\*, Ardekani, C., Salvatore, M.\*, Luz, S., Kim, E.D.\*, Rogers, C.M.\*, Hall, A.\*, Lee, D.E.\*, Famularo, S.T.\*, Bhatnagar, S., & **Bangasser, D.A.** (2020). The effects of early life adversity on growth, maturation, and steroid hormones in male and female rats, *European Journal of Neuroscience*, 52, 2664–2680.
  12. Ellis, A.S, Toussaint, A.B., Knouse, M, Thomas, A.S., Bongiovanni, A., Mayberry, H.L., Bhakta, S., Peer, K., **Bangasser, D.A.**, & Wimmer, M.E. (2020). Paternal morphine self-administration produces object recognition memory deficits in female, but not male offspring. *Psychopharmacology*, 237, 1209–1221.
  13. Hupalo, S., Bryce, C.A., **Bangasser, D.A.**, Valentino, R.J., & Floresco, S. (2019). Corticotropin-releasing factor modulation of cognition and motivation: Implications for neuropsychiatric disorders, *Neuroscience & Biobehavioral Reviews*, 103, 50–59.
  14. Kokras, N., Hodes, G.E., **Bangasser, D.A.**, Dalla, C. (2019). Sex differences in the HPA axis: An obstacle to antidepressant drug development? *British Journal of Pharmacology*, 176, 4090–4106.
  15. Holliday, E.D., Logue, S.F., Oliver, C., **Bangasser, D.A.**, & Gould, T.J. (2019). Stress and nicotine during adolescence disrupts adult hippocampal-dependent learning and stress response, *Addiction Biology*, e12769, 1-14.
  16. Wiersielis, K.R.\*\* , Ceretti, A.\* , Hall, A.\* , Famularo, S.\* , Salvatore, M.\* , Ellis, A.\* , Jang, H.\* , Wimmer, M., & **Bangasser, D.A.** (2019). Sex differences in corticotropin releasing factor regulation of medial septum-mediated memory formation, *Neurobiology of Stress*, 10, 100150, 1–7.
  17. Strzelewicz, A. Ordoñez Sanchez, E.\*\* , Rondón-Ortiz, A., Raneri, A., Famularo, S.T.\* , **Bangasser, D.A.**, & Kentner, A. (2019). Access to a high resource environment protects against accelerated maturation following early life stress: A translational animal model of high, medium and low security settings, *Hormones and Behavior*, 18, 30375–30381.
  18. **Bangasser, D.A.**, Eck, S.R.\*\* , & Ordoñez Sanchez, E.\*\* (2019). Sex differences in stress reactivity in arousal and attention systems, *Neuropsychopharmacology*, 44, 9423–9432.
  19. Wellman, C., **Bangasser, D.A.**, Bollinger, J., Coutellier, L., Logrip, M., Moench, K., & Urban, K. (2018). Sex Differences in Risk and Resilience: Stress Effects on the Neural Substrates of Emotion and Motivation, *Journal of Neuroscience*, 38, 9423–9432.
  20. Wickens, M.M., **Bangasser, D.A.**, & Briand L.A. (2018). Sex differences in psychiatric disease: A focus on the glutamate system, *Frontiers in Molecular Neuroscience*, 11, 1–12.
  21. Blume, S.R., Nam, H., Luz, S., **Bangasser, D.A.**, & Bhatnagar, S. (2018). Sex- and age-dependent effects of orexin 1 receptor blockade on open field behavior and neuronal activity, *Neuroscience*, 381, 11–21.
  22. **Bangasser, D.A.**, & Wiersielis, K.\*\* (2018). Sex differences in stress responses: A critical role for corticotropin releasing factor, *Hormones*, 17, 5–13. In the top-15 most downloaded papers from the journal in 2018.
  23. **Bangasser, D.A.**, Eck, S.R.\*\* , Telenson, A.\*\* , & Salvatore, M.\* (2018). Sex differences in stress regulation of arousal and cognition, *Physiology and Behavior*, 187, 42–50.
  24. Kaslow, N., **Bangasser, D.A.**, Grus, C.L., McCutcheon, S.R, & Fowler, G. (2018). Facilitating pipeline progress from doctoral degree to first job, *American Psychologist*, 73, 47-62.
  25. Salvatore, M.\* , Wiersielis, K.\*\* , Luz S., Waxler, D.E., Bhatnagar, S., & **Bangasser, D.A.** (2018). Sex differences in circuits activated by corticotropin releasing factor in rats, *Hormones and Behavior*, 97, 145–153.

26. **Bangasser, D.A.**, Wicks, B.\*\* , Waxler, D., & Eck, S.R.\*\* (2017). Touchscreen sustained attention task for rats, *Journal of Visualized Experiments*, 127, e56219.
27. **Bangasser, D.A.**, Dong, H., Carroll, J., Plona, Z., Ding, H., Rodriguez, L., McKennan, C., Csernansky, J.G., Seeholzer, S.H., & Valentino, R.J. (2017). Corticotropin-releasing factor overexpression gives rise to sex differences in Alzheimer’s disease-related signaling, *Molecular Psychiatry*, 22, 1126–1133.
28. Shapero, B.G., McClung, G., **Bangasser, D.A.**, Abramson, L., & Alloy, L. (2017). Interaction of biological stress recovery and cognitive vulnerability for depression in adolescence, *Journal of Youth and Adolescence*, 46, 91–103.
29. Wicks, B.\* , Waxler, D.E., White, K.M.\* , Duncan, N.\* , Bergmann, J.\* , Cole, R., Parikh, V. & **Bangasser, D.A.** (2017). Method for testing sustained attention in touchscreen operant chambers in rats, *Journal of Neuroscience Methods*, 277, 30–37.
30. **Bangasser, D.A.**, & Wicks, B.\*\* (2017). Sex-specific mechanisms for responding to stress, *Journal of Neuroscience Research*, 95, 75–82.
31. Valentino, R.J., & **Bangasser, D.A.** (2016). Sex-biased cellular signaling: Molecular basis for sex differences in neuropsychiatric diseases, *Dialogues in Clinical Neuroscience*, 18, 385–393.
32. Wiersielis, K.R.\* , Wicks, B.\* , Simko, H.\* , Cohen, S. R.\* , Khantsis, S.\* , Baksh, N.\* , Waxler, D.E., & **Bangasser, D.A.** (2016). Sex differences in corticotropin releasing factor-evoked behavior and activated networks, *Psychoneuroendocrinology*, 73, 204–216.
33. **Bangasser, D.A.**, Wiersielis, K.W.\* , & Khantsis, S.\*\* (2016) Sex differences in the locus coeruleus-norepinephrine system and its regulation by stress, *Brain Research*, 1641, 177–188.
34. **Bangasser, D.A.**, Rozensky, R., Fowler, G., Kraha, A., Lopez, A., O’Connor, M., Worrell, F. & Kaslow, N. (2016). Psychology’s Core Knowledge, Scientific Subfields, and Health Service Specialization: Preparing a Competent Workforce – Recommendations from the Opening Doors Summit, *Training and Education in Professional Psychology*, 10, 84–92.
35. Cole, R.\*^, Kawasumi, Y.S.\*\*^, Parikh, V., & **Bangasser, D.A.** (2016). Corticotropin releasing factor (CRF) impairs sustained attention in male and female rats, *Behavioural Brain Research*, 296, 30–34. ^ = authors contributed equally
36. Waters, R.P., Rivalan, M., **Bangasser, D.A.**, Deussing, J., Ising, M., Wood, S.K., Holsboer, F. & Summers, C.H. (2015). Evidence for the role of corticotropin releasing factor in major depressive disorder, *Neuroscience Biobehavioral Reviews*, 58, 63–78.
37. **Bangasser, D.A.**, & Kawasumi, Y. S.\*\* (2015). Cognitive impairments in stress-related psychiatric disorders: A role for corticotropin releasing factor, *Hormones and Behavior*, 76, 125–135.
38. Reyes, B.A.S., **Bangasser, D.A.**, Valentino, R.J., & Van Bockstaele E. (2014). Using high resolution imaging to determine trafficking of corticotropin-releasing factor receptors in noradrenergic neurons of the rat locus coeruleus. *Life Sciences*, 112, 2–9.
39. **Bangasser, D.A.** & Valentino, R.J. (2014). Sex differences in stress related psychiatric disorders: Neurobiological perspectives. *Frontiers in Neuroendocrinology*, 35, 303–319. 3<sup>rd</sup> Most Cited Frontiers in Neuroendocrinology Article since 2013.
40. Toth, M., Gresack, J., **Bangasser, D.**, Plona, Z, Valentino, R., Flandreau, E., Mansuy, I., Merlo-Pich, E., Geyer, M., & Risbrough, V. (2014). Forebrain-specific CRF over-production during development is sufficient to induce enduring anxiety and startle abnormalities in adult mice. *Neuropsychopharmacology*, 39, 1409–1419.
41. **Bangasser, D.A.**, Lee, C.S., Cook, P.A., Gee, J.C., Bhatnagar, S., & Valentino, R.J. (2013). Manganese-enhanced magnetic resonance imaging (MEMRI) of acute stress responses in rats with a history of repeated social stress. *Physiology & Behavior*, 122, 228–236.
42. Valentino, R.J., Van Bockstaele, E., & **Bangasser, D.A.** (2013). Sex-specific cell signaling: The corticotropin-releasing factor receptor model. *Trends in Pharmacological Sciences*, 34, 437–444.
43. **Bangasser, D.A.** (2013). Sex differences in stress-related receptors: “Micro” differences with “macro” implications for mood and anxiety disorders, *Biology of Sex Differences*, 4, 2–15. BioMed Central designation "Highly Accessed."



44. Valentino, R.J., **Bangasser, D.A.**, & Van Bockstaele E. (2013). Sex biased stress signaling: the corticotropin-releasing factor receptor as a model, *Molecular Pharmacology*, *83*, 737–745.
45. **Bangasser, D.A.**, Reyes, B., Piel, D., Garachh, V., Zhang, X., Van Bockstaele, E.J., Beck, S.G., & Valentino, R.J. (2013). Increased vulnerability of the brain norepinephrine system of females to corticotropin-releasing factor overexpression, *Molecular Psychiatry*, *18*, 166–173. Image from the paper was the February 2013 Journal Cover.
46. **Bangasser, D.A.**, & Valentino, R.J. (2012). Sex differences in molecular and cellular substrates of stress. *Cellular and Molecular Neurobiology*, *32*, 709–723.
47. Valentino R.J., Reyes B., Van Bockstaele E., & **Bangasser D.** (2012). Molecular and cellular sex differences at the intersection of stress and arousal, *Neuropharmacology*, *62*, 13–20.
48. Carroll, J.C., Iba, M., **Bangasser, D.A.**, Valentino, R.J., James, M.J., Brunden, K.R., Lee, V. M.-Y., & Trojanowski, J.Q. (2011). Chronic stress exacerbates tau pathology, neurodegeneration, and cognitive performance through a corticotropin-releasing factor receptor-dependent mechanism in a transgenic mouse model of tauopathy, *Journal of Neuroscience*, *40*, 14436–14449. Featured in Nature Reviews Neuroscience, *12*, 704 Research Highlights section.
49. **Bangasser, D.A.**, Zhang, X., Garachh, V., Hanhauser, E., & Valentino, R.J. (2011). Sexual dimorphism in locus coeruleus dendritic morphology: A structural basis for sex differences in emotional arousal, *Physiology and Behavior*, *103*, 342–351.
50. **Bangasser, D.A.**, Curtis, A., Reyes, B., Bethea, T.T., Parastatidis, I., Ischiropoulos, H., Van Bockstaele, E.J., & Valentino, R.J. (2010) Sex differences in corticotropin-releasing factor receptor signaling and trafficking: potential role in female vulnerability to stress-related psychopathology, *Molecular Psychiatry*, *15*, 877, 896–904. Featured in *Nature*, 465, 988 Research Highlights section and Faculty of 1000 Biology
51. **Bangasser, D.A.**, & Shors, T.J. (2010) Critical brain circuits at the intersection between stress and learning, *Neuroscience Biobehavioral Reviews*, *34*, 1223–1233.
52. Carr, G., **Bangasser, D.A.**, Bethea, T.T., Young M., Valentino, R.J., & Lucki, I. (2010) Antidepressant-like effects of kappa-opioid receptor antagonists in Wistar Kyoto rats. *Neuropsychopharmacology*, *35*, 752–763.
53. **Bangasser, D.A.**, & Shors, T.J. (2008). The bed nucleus of the stria terminalis modulates learning after stress in masculinized but not cycling females, *Journal of Neuroscience*, *28*, 6383–6387. Faculty of 1000 Biology.
54. Waddell, J., **Bangasser, D.A.**, & Shors T.J. (2008). The basolateral nucleus of the amygdala is necessary to induce the opposing effects of stressful experience on learning in males and females, *Journal of Neuroscience*, *28*, 5290–5294.
55. **Bangasser, D.A.**, & Shors T.J. (2007). The hippocampus is necessary for enhancements and impairments of learning following stressful experience, *Nature Neuroscience*, *10*, 1401–1403.
56. Thakker-Varia, S., Krol, J.J., **Bangasser, D.A.**, Shors T.J., Black, I.B., & Alder, J. (2007). The neuropeptide VGF produces antidepressant-like behavioral effects and enhances proliferation in the hippocampus, *Journal of Neuroscience*, *27*, 12156–12167.
57. Dalla, C., **Bangasser, D.A.**, Edgecomb, C., & Shors, T.J. (2007). Neurogenesis and learning: Acquisition and asymptotic performance predict how many new cells survive in the hippocampus, *Neurobiology of Learning and Memory*, *88*, 143–148.
58. **Bangasser, D.A.**, Waxler, D.E., Santollo, J. & Shors, T.J. (2006). Trace conditioning and the hippocampus: The importance of contiguity, *Journal of Neuroscience*, *26*, 8702–8706. Faculty of 1000 Biology
59. **Bangasser, D.A.**, Santollo, J., & Shors, T.J. (2005). The bed nucleus of the stria terminalis is critically involved in enhanced associative learning after stressful experience, *Behavioral Neuroscience*, *119*, 1459–1466.
60. **Bangasser, D.A.**, & Shors, T.J. (2004). Acute stress impairs trace eyeblink conditioning in females without altering the unconditioned response, *Neurobiology of Learning & Memory*, *82*, 57–60.

61. Alder, J., Thakker-Varia, S., **Bangasser, D.A.**, Kuroiwa, M., Plummer, M.R., Shors, T.J., & Black, I.B. (2003). Brain-derived neurotrophic factor-induced gene expression reveals novel actions of VGF in hippocampal synaptic plasticity. *Journal of Neuroscience*, 23, 10800–10808.

#### **OTHER ARTICLES PUBLISHED (e.g., book chapters, commentaries)**

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62. **Bangasser, D.A.** & Ordoñez Sanchez, E.\*\* (2020). Social Status: Modulating chronic stress, *eLife*, 9, e63996, Commentary.
63. Parikh V., & **Bangasser D.A.** (2020). Cholinergic signaling dynamics and cognitive control of attention. In: Shoaib M., Wallace T. (eds) Behavioral Pharmacology of the Cholinergic System. *Current Topics in Behavioral Neurosciences*, vol 45. Springer, Cham. Book chapter.
64. **Bangasser, D.A.** & Wiersielis, K.\*\* (2018). The stress response: Sex specific neural mechanisms, *Society for Neuroscience, Short Course: Sex Differences in the Brain: Balancing Sex in Preclinical Research*, Book chapter.
65. **Bangasser, D.A.** (2016). Stress, *Scientific American Mind*, News publication.
66. **Bangasser, D.A.** (2015). To freeze or not to freeze, *eLife*, 4, e13119, Commentary.

#### **ARTICLES SUBMITTED**

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- Kniffin, A., **Bangasser, D.A.**, & Parikh, V. Septohippocampal cholinergic system at the intersection of stress and cognition: Current trends and translational implications.

#### **SYMPOSIUM PRESENTATIONS (\* indicates chaired or co-chaired)**

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1. **Bangasser, D.A.** (2022). Effects of early life adversity on steroid hormones and motivated behaviors. *Speaker*, Society for Behavioral Neuroendocrinology, Atlanta, GA.
2. **Bangasser, D.A.** (2022). Stress, sex, and plasticity. *Speaker*, Fresco Symposium, Florence, Italy.
3. **Bangasser, D.A.\*** (2022). Sex differences in motivated behaviors and their regulation by stress. *Symposium Co-Chair and Speaker*, Mediterranean Neuroscience Society, Dubrovnik, Croatia.
4. **Bangasser, D.A.\*** (2022). Mechanisms of motivation: Convergent and divergent sex differences of motivated behavior. *Symposium Co-Chair and Speaker*, Organization for the Study of Sex Differences, Marina Del Rey, CA
5. **Bangasser, D.A.** (2021). Hormone influences of indices of mental health across the life span, *Speaker*, American College of Neuropsychopharmacology, San Juan, PR
6. **Bangasser, D.A.\*** (2021). Origins of sex differences in behavior: The unusual suspects, *Symposium Chair and Speaker*, International Behavioral Neuroscience Society, Hybrid meeting.
7. **Bangasser, D.A.** (2021). Stress regulation of sustained attention and the cholinergic attention system, *Speaker*, Touchscreen Cognition Virtual Meeting.
8. **Bangasser, D.A.\*** (2021). Getting motivated during stressful times, *Co-Chair and Speaker*, Society of Biological Psychiatry, Virtual Meeting.
9. **Bangasser, D.A.\*** (2020). Sex differences in risk and resilience to stress regulation of cognition, *Co-Chair and Speaker*, Federation of European Neuroscience Societies, Virtual Meeting.
10. **Bangasser, D.A.\*** (2020). Sex differences in neurodevelopmental abnormalities resulting from early life insults, *Co-Chair and Speaker*, Winter Conference on Brain Research, Big Sky, MT
11. **Bangasser, D.A.\*** (2019). Sex differences in response to stress, *Co-Chair Nanosymposium*, Society for Neuroscience, Chicago, IL
12. **Bangasser, D.A.** (2019). Translational models of human neurodevelopmental and neuropsychiatric disease: Integrating neuroimmunology, neuroendocrinology, and behavior, *Co-Chair and Speaker*, International Behavioral Neuroscience Society, Cairns, Australia
13. **Bangasser, D.A.** (2019). Sex differences in stress regulation of arousal and cognition, *Speaker*, Sex differences in Brain and Behavior, Erice, Italy

14. **Bangasser, D.A.\*** (2019). Sex differences in fear and stress responses: Relevance to disease vulnerability and treatment for psychopathology, *Minisymposium Chair and Speaker*, 10<sup>th</sup> International Meeting of Steroids and the Nervous System, Turin, Italy
15. **Bangasser, D.A.\*** (2018). New approaches to exploring the involvement of the cholinergic system in psychiatric disorders and cognitive decline, *Symposium Chair and Speaker*, Society for Neuroscience Meeting, San Diego, CA
16. **Bangasser, D.A.** (2018). Sex differences in stress regulation of arousal and cognition, *Mini-Symposium*, Society for Neuroscience Meeting, San Diego, CA
17. **Bangasser, D.A.\*** (2018). Animal models of neurodevelopmental disease, *Co-chaired Nano-symposium* (no presentation), Society for Neuroscience Meeting, San Diego, CA
18. **Bangasser, D.A.** (2018). The stress response: Sex specific neural mechanisms, *Short Course Speaker & Breakout Leader*, Sex Differences in the Brain: Balancing Sex in Preclinical Research, Society for Neuroscience Meeting, San Diego, CA
19. **Bangasser, D.A.** (2018). Sex differences in stress responses: A critical role for corticotropin releasing factor, *Symposium*, International Behavioral Neuroscience Society, International Meeting, Boca Raton, FL
20. **Bangasser, D.A.\*** (2018). Sex differences in learning and plasticity, *Symposium Co-Chair and Participant*, Organization for the Study of Sex Differences Meeting, National Meeting, Atlanta, GA
21. **Bangasser, D.A.\*** (2018). Sex differences in stress effects on learning, *Symposium Chair and Participant*, Eastern Psychological Association, Regional Meeting, Philadelphia, PA
22. **Bangasser, D.A.\*** (2017). A spotlight on attention, *Symposium Chair and Participant*, Pavlovian Society Meeting, National Meeting, Philadelphia, PA
23. **Bangasser, D.A.** (2017). Sex differences in stress regulation of arousal and attention, Sex Differences: From Neuroscience to the Clinic and Beyond, *Symposium*, National Meeting, American University, Washington, DC
24. **Bangasser, D.A.** (2016). Sex differences in the corticotropin releasing factor system: From molecules to circuits, *Symposium*, National Meeting, Organization for the Study of Sex Difference Meeting, Philadelphia, PA
25. **Bangasser, D.A.\***, Shansky, R., Milad, M., Bale, T., Rubinow, D., McCarthy, M., Clayton, J., & Becker, J. (2015) The future of sex difference research in neuropsychopharmacology, *Study Group Chair and Participant*, National Meeting, American College of Neuropsychopharmacology, Hollywood, FL
26. **Bangasser, D.A.\*** (2015). Sex differences in receptors: "Micro" differences with "macro" implications for the treatment of stress-related psychiatric disorders, *Mini-Symposium Chair and Participant*, National Meeting, Society for Neuroscience, Chicago, IL
27. **Bangasser, D.A.\*** (2015). Facilitating transitions from doctoral education to first job: Opening doors summit, *Symposium Co-Chair and Participant*, International Meeting, American Psychological Association, Toronto, Canada
28. **Bangasser, D.A.** (2014). Female vulnerability to stress modulation of arousal circuitry, *Symposium*, International Meeting, Society for Behavioral Neuroendocrinology and International Congress of Neuroendocrinology, Sydney, Australia
29. **Bangasser, D.A.** (2014). Sex differences in Corticotropin Releasing Factor<sub>1</sub> Receptors: From Molecules to Mood, *Symposium*, International Meeting, International Behavioral Neuroscience Society, Las Vegas, NV
30. **Bangasser, D.A.** (2014). Molecular and behavioral sex differences in stress responses: A role for corticotropin releasing factor, *Panel*, National Meeting, Winter Conference on Brain Research, Steamboat Spring, CO
31. **Bangasser, D.A.\*** (2013). Sex differences in stress-related psychiatric disease: Novel mechanisms for interactions between stress and arousal systems, *Symposium Co-Chair and Participant*, International Meeting, International Behavioral Neuroscience Society, Malahide, Ireland
32. **Bangasser, D.A.** (2013). Sex differences in molecular and cellular substrates of stress, *Mini-Symposium*, National Meeting, Society for Gynecologic Investigation, Orlando, FL

33. **Bangasser, D.A.** (2012). Phosphoproteomic analysis of activated signaling pathways in male and female corticotropin-releasing factor overexpressing mice, *Nanosymposium*, National Meeting, Society for Neuroscience, New Orleans, LA
34. **Bangasser, D.A.** (2012). Sex differences in stress responses: From molecules to mental illness, *Symposium*, National Meeting, Organization for the Study of Sex Difference Meeting, Baltimore, MD
35. **Bangasser, D.A.** (2011). Sex differences in stress responses: From molecules to mood, *Panel*, National Meeting, American College of Neuropsychopharmacology Conference, Waikoloa, HI
36. **Bangasser, D.A.** (2011). Dysregulation of the locus coeruleus-norepinephrine system occurs selectively in females in a mouse model of corticotropin-releasing factor hypersecretion, *Nanosymposium*, National Meeting, Society for Neuroscience, Washington, DC
37. **Bangasser, D.A.** (2009). Sex differences in stress-related mental illness: A role for neuropeptide Symposium, International Meeting, American Psychological Association, Toronto, Canada
38. **Bangasser, D.A.** (2009). Sex differences in stress-related mental illness: A role for corticotropin releasing factor modulation of the norepinephrine system, *Young Investigator Presentation*, National Meeting, Gordon Research Conference Catecholamines, ME
39. **Bangasser, D.A.** (2009). Enhanced signaling of the stress neuropeptide, corticotropin-releasing factor, underlies female vulnerability to stress, *Young Investigator Symposium*, National Meeting, Workshop on Steroid Hormones and Brain Function, Breckenridge, CO
40. **Bangasser, D.A.** (2008). Identification of stress circuitry using *ex vivo* manganese-enhanced magnetic resonance imaging (MEMRI), *Travel Awardee Breakout Session*, National Meeting, American College of Neuropsychopharmacology Conference, Scottsdale, AZ
41. **Bangasser, D.A.** (2008). Sex differences in the corticotropin-releasing factor receptor (CRF<sub>r</sub>) and its regulation by stress, *Neuropharmacology Postdoctoral Symposium*, National Meeting, American Society for Pharmacology and Experimental Therapeutics, San Diego, CA
42. **Bangasser, D.A.** & Shors, T.J. (2006). The hippocampus is critically involved in the modulation of associative learning by stress, *Slide Presentation*, National Meeting, Society for Neuroscience, Atlanta, GA
43. **Bangasser, D.A.**, Santollo, J. & Shors, T.J. (2004). The bed nucleus of the stria terminalis (BNST) is necessary for the long-term effect of stress on learning, *Oral Presentation*, National Meeting, Pavlovian Society, Baltimore, MD
44. **Bangasser, D.A.** & Shors, T.J. (2004). Acute stressful experience impairs trace eyeblink conditioning without affecting the unconditioned response, in female rats, *Symposium*, Regional Meeting, Eastern Psychological Association, Washington, DC
45. **Bangasser, D.A.\*** & Shors, T.J. (2003). The enhancing effect of acute stressful experience on trace conditioning engages the bed nucleus of the stria terminalis, *Symposium Chair and Participant*, Regional Meeting, Eastern Psychological Association, Baltimore, MD

#### **INVITED ADDRESSES AND INVITED SEMINARS**

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1. **Bangasser, D.A.** (2021). Hormone influences of indices of mental health across the life span, *Seminar*, IBIO Neuroassembly, University of Magdeburg, Germany, Virtual
2. **Bangasser, D.A.** (2021). The sex talk: How including sex as a biological variable improves health care for everyone, *Seminar*, Neuroscientists Interested in Drug Abuse, University of Kentucky, Virtual
3. **Bangasser, D.A.** (2021). Sex differences in stress regulation of cognition, *Seminar*, College of Pharmacy, University of Kentucky
4. **Bangasser, D.A.** (2021). Balancing research, education, and outreach to promote inclusivity and diversity in neuroscience, *Seminar*, NIDA Women's Sex/Gender Research Workgroup, Virtual
5. **Bangasser, D.A.** (2021). Sex differences in stress regulation of cognition, *Seminar*, Andrews Genomics Scholar Lecture Series, Oregon Health & Science University, Virtual
6. **Bangasser, D.A.** (2020). Sex differences in stress regulation of cognition and motivation, *Seminar*, Anatomy and Cell Biology Department, the University of Kansas Medical Center, Virtual

7. **Bangasser, D.A.** (2020). Sex differences in stress regulation of cognition and motivation, *Seminar*, Department of Physiology and Pharmacology, University of Georgia, Virtual
8. **Bangasser, D.A.** (2020). Sex differences in stress regulation of cognition and motivation, *Seminar*, University of San Diego, Neuroscience, *Student Selected Speaker*, San Diego, CA.
9. **Bangasser, D.A.** (2019). Sex differences in stress regulation of cognition and motivation, *Seminar*, Department of Biological Sciences, Lehigh University, PA.
10. **Bangasser, D.A.** (2019). Sex differences in stress regulation of arousal, cognition, and motivation, *Seminar*, Department of Biomedical Sciences, Marquette, WI.
11. **Bangasser, D.A.** (2019). Sex differences in stress regulation of arousal and attention, *Seminar*, University of South Carolina School of Medicine, SC.
12. **Bangasser, D.A.** (2019). Sex differences in stress regulation of arousal and cognition, *Student Selected Speaker*, Ecology and Evolution Seminar Series, North Carolina State University, NC
13. **Bangasser, D.A.** (2018). Sex differences in stress regulation of arousal and cognition, **Keynote**, Graduate School of Biomedical Sciences Retreat, Rowan School of Osteopathic Medicine, NJ
14. **Bangasser, D.A.** (2018). Sex differences in stress regulation of arousal and cognition, *Seminar*, Department of Psychology and Brain Science, Villanova, PA
15. **Bangasser, D.A.** (2018). Sex differences in stress regulation of arousal and cognition, *Seminar*, Department of Anatomy & Neurobiology, University of Maryland School of Medicine, MD
16. **Bangasser, D.A.** (2018). Sex differences in stress regulation of arousal and cognition, *Seminar*, Fralin VT Life Science Seminar series, Virginia Tech, VA
17. **Bangasser, D.A.** (2017). Sex differences in stress regulation of arousal and cognition, *Seminar*, Department of Biobehavioral Health, Penn State, State College, PA
18. **Bangasser, D.A.** (2017). Sex differences in stress regulation of arousal and cognition, *Seminar*, Department of Anatomy and Neurobiology, Virginia Commonwealth University School of Medicine, Richmond, VA
19. **Bangasser, D.A.** (2017). Sex differences in stress regulation of arousal and attention, Stress and Psychiatric Disorders Meeting, *Invited Address*, International Meeting, Athens, Greece
20. **Bangasser, D.A.** (2016). Sex differences in stress responses: From molecules to circuits, *Seminar*, Neuroscience and Education Lab, New York University, NY
21. **Bangasser, D.A.** (2016). Sex differences in stress responses: From molecules to circuits, *Seminar*, Department of Biochemistry and Molecular Biology, New York Medical College, Valhalla, NY
22. **Bangasser, D.A.** (2016). Sex differences in stress responses: From molecules to circuits, *Seminar*, Endocrinology and Animal Biosciences, Rutgers University, New Brunswick, NJ
23. **Bangasser, D.A.** (2016). Sex differences in stress responses: From molecules to circuits, *Seminar*, Department of Neurobiology and Anatomy, Drexel University, Philadelphia, PA
24. **Bangasser, D.A.** (2015). Sex Differences in CRF Physiology, *Seminar*, Department of Physiology, Emory University, Atlanta, GA
25. **Bangasser, D.A.** (2015). Sex differences in receptors: "Micro" differences with "macro" implications for the etiology and treatment of stress-related psychiatric disorders, *Seminar*, Neuroscience Institute, Georgia State University, Atlanta, GA
26. **Bangasser, D.A.** (2015). Sex differences in receptors: "Micro" differences with "macro" implications for the etiology and treatment of stress-related psychiatric disorders, *Seminar*, Neuroscience, University of Illinois at Urbana-Champaign, IL, Student Selected Speaker
27. **Bangasser, D.A.** (2015). Sex differences in receptors: "Micro" differences with "macro" implications for the etiology and treatment of stress-related psychiatric disorders, *Seminar*, Psychology, Bucknell University, Lewisburg, PA
28. **Bangasser, D.A.** (2015). NIH K99/R00 Awards: Developing Leadership and Lab Management Skills, Success in Academia Career Professional and Development Series, *Seminar*, Drexel University, PA
29. **Bangasser, D.A.** (2014). Sex Differences at the Intersection of Stress and Arousal Circuitry, *Seminar*, Biology Seminar Series, Temple University, PA

30. **Bangasser, D.A.** (2014). Sex Differences in Stress-Related Receptors: “Micro” Differences with “Macro” Implications for Mood and Anxiety Disorders, *Invited Lecture*, Maximize Access to Research Careers (MARC) Undergraduate Student Training for Academic Research, Temple University, PA
31. **Bangasser, D.A.** (2014). Sex Differences at the Intersection of Stress and Arousal Circuitry, *Seminar*, Neuroscience Seminar Series, Temple University, PA
32. **Bangasser, D.A.** (2014). Sex Differences at the Intersection of Stress and Arousal Circuitry, *Seminar*, Behavioral Neuroscience Group University of Delaware, DE
33. **Bangasser, D.A.** (2014). Molecular and behavioral sex differences in stress responses: A role for corticotropin releasing factor, *Seminar*, Undergraduate Neuroscience Society, Temple University, PA
34. **Bangasser, D.A.** (2013). *Keynote Address*, National Society for Leadership and Success, Temple Chapter, PA
35. **Bangasser, D.A.** (2013). Sex differences in anxiety disorders: Using an interdisciplinary approach to improve treatments for men and women, *Arts and Lectures Talk*, San Bernardino Valley College, San Bernardino, CA
36. **Bangasser, D.A.** (2013). Molecular sex differences in stress response systems: Potential role in female vulnerability to stress-related psychiatric disorders, *Grand Rounds*, Department of Psychiatry, Temple University Medical School, PA
37. **Bangasser, D.A.** (2012). Molecular sex differences in stress response systems: Potential role in female vulnerability to stress-related psychiatric disorders, *Seminar*, Center for Substance Abuse, Temple University Medical School, PA
38. **Bangasser, D.A.** (2012). Sex differences in stress responses: From molecules to mood, *Seminar*, Department of Pharmacology, University of Athens Medical School, Athens, Greece
39. **Bangasser, D.A.** (2011). Sex differences in stress reactivity: A role for the locus coeruleus-arousal system, *Seminar*, Neuroscience Seminar Series, Temple University, PA
40. **Bangasser, D.A.** (2011). Sex differences in stress response systems: From molecules to mental illness, *Workshop Participant*, National Institute of Mental Health, Bethesda, MD
41. **Bangasser, D.A.** (2010). Sex Differences in the Brain: From Mating to Mental Illness, *Brain Awareness Week Seminar*, Lehigh Valley Chapter of the Society for Neuroscience, Collegeville PA

## TEACHING EXPERIENCE

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**Instructor**, Readings in Neuroscience, NSCI 9209, *Temple University*, Philadelphia, PA, Fall 2016, Spring 2017, Fall 2017, Spring 2018, Fall 2018, Spring 2019, Fall 2019, Spring 2020, Fall 2020  
The goals of this class are to provide in depth analysis of primary source articles and to provide a forum where graduate students can interact and discuss science the world-leaders. Students read primary literature (i.e., a research article) and lead a discussion on the article. All are required to post questions on the article prior to each talk. This exercise is intended to promote scientific analysis and the development of public speaking skills. As part of this course I organize the Neuroscience Seminar Series, where I invite and organize visits for 5-6 speakers from each semester.

**Instructor**, Neuroendocrinology, NSCI 8007, *Temple University*, Philadelphia, PA, Fall 2017, Fall 2018, Fall 2020  
Designed and will teach a graduate course that provides an in-depth exploration of the interactions between the endocrine system and the nervous system. The role of hormones in modulating behaviors and mental processes will be covered with the following topics: sex determination and differentiation, reproduction, parental behavior, social behavior, homeostasis, biological rhythms, stress, learning and memory, and affect. Specific learning objectives include teaching students to: 1) Identify common mechanisms by which hormones can affect the brain and the brain can regulate the endocrine system, 2) describe the mechanisms for common

treatments for endocrine disorders, and 3) integrate multidisciplinary approaches to understand neuroendocrine function and dysfunction from the molecular to systems level.

**Instructor**, Stress and the Brain, PSY 3620, PSY3600, NSCI 3006, PSY 3006, *Temple University*, Philadelphia, PA, Fall 2015, Fall 2016, Fall 2017, Spring 2018, Fall 2018, Spring 2018, Fall 2018, Spring 2019, Fall 2019, Spring 2022

Designed and taught a course surveying the clinical and preclinical research related to stress and health. A focus was on how the brain initiates stress responses, and how stress, in turn, impacts the brain to alter behavior. The role that stress plays in the development of disorders, such as depression and post-traumatic stress disorder, was also explored. Specific learning objectives included teaching students to: (1) define and distinguish central and endocrine responses to stress, (2) demonstrate an understanding of the factors that contribute to stress vulnerability and resilience, (3) be able to describe how dysregulated stress responses can contribute to disease, (4) be able to critically evaluate and present research articles pertaining to stress and health, (5) demonstrate critical thinking skills when reading and discussing original research articles, and (6) be able to lead in-class discussions.

**Instructor**, Functional Neuroanatomy, NSCI 2001, *Temple University*, Philadelphia, PA, Spring 2014–Fall 2016, Fall 2019

Designed and taught a course providing a broad overview of the structures of the brain and their function. Developed a sheep brain dissection laboratory, which was the first anatomy laboratory in the College of Liberal Arts at Temple. Specific learning objectives included teaching students to: (1) identify major circuits in the brain including motor systems, somatosensory systems, brainstem nuclei and cranial nerves, hypothalamic nuclei, the limbic system, and cortical areas, (2) describe how brain regions within each system interact to help maintain homeostasis and modulate behavior, and (3) apply knowledge to clinical cases in order to understand how disruptions in anatomy (e.g., lesions, degeneration, trauma) alter function.

**Instructor**, Neurobiology of Disease, NSCI 2222, *Temple University*, Philadelphia, PA, Spring 2013

Designed and taught a course on the etiology and treatment of major nervous system disease. Specific learning objectives included teaching students: (1) how genetic, autoimmune, infection, and environmental factors cause pathology of the nervous system, (2) to describe the neurotransmitter systems and critical brain circuitry that are affected in different diseases, (3) common research methods detect the causes of nervous system disorders, and (4) how current treatments for these diseases (e.g., pharmacotherapies, surgery, deep-brain stimulation) work.

## **SCIENCE COMMUNICATION**

<b>Speaker</b> , Brain Awareness Week, biology class, Germantown Friends School	2022
<b>Speaker</b> , Science National Honor Society, Central Bucks High School, Virtual	2021
<b>Speaker</b> , Skype-A-Scientist, Western Michigan Christian High School 9 <sup>th</sup> Grade, Virtual	2021
<b>Speaker</b> , Brain Awareness Week, Temple Neuroscience Organized Event at Bodine High School, Virtual	2021
<b>Speaker</b> , STEM Conference for 8 <sup>th</sup> grade girls, Redlands American Association of University Women, Virtual	2021
<b>Public Lecture</b> , Under Pressure: The Neuroscience of Stress, Neuroscience Public Lecture, University of Pennsylvania, Virtual	2020
<b>Podcast</b> , @NeuroEndoTalk, A forum to discuss Neuroendocrinology	2020
<b>Article</b> , Ethics and Diversity Committee Update, Newsletter for the International Behavioral Neuroscience Society	2020
<b>Training Video Development</b> , R25 Advisory Board Member, Addressing Sex as a Biological Variable in Preclinical Pharmacology and Neuroscience Research: Accounting for Neglected Factors and Applying Practical Solutions to Enhance Rigor and Reproducibility	2019–2021
<b>Podcast</b> , VJ Neurology: The Video Journal of Neurology <a href="https://vjneurology.com/speaker/Debra-Bangasser/">https://vjneurology.com/speaker/Debra-Bangasser/</a>	2020

<b>Podcast</b> , Biological Psychiatry Live Podcast	2020
<a href="https://www.biologicalpsychiatryjournal.com/content/biological-psychiatry-live">https://www.biologicalpsychiatryjournal.com/content/biological-psychiatry-live</a>	
<b>Panelist</b> , Fake News or Good Science? Insights from Scientists using Social Media, Social Media Workshop, International Behavioral Neuroscience Society Meeting, Cairns	2019
<b>Participant</b> , Brain Awareness Week, Temple Neuroscience Organized Event at Bodine High School, Philadelphia, PA	2019
<b>Social Media Manager</b> , Philadelphia Chapter of the Society for Neuroscience	2017–Present
<b>Participant</b> , Brain Awareness Week, Philadelphia Chapter of the Society for Neuroscience and the Franklin Institute, Philadelphia, PA	2015
<b>Participant</b> , Brain Awareness Week, Philadelphia Chapter of the Society for Neuroscience and the Franklin Institute, Philadelphia, PA	2014
<b>Participant</b> , Brain Awareness Week, Philadelphia Chapter of the Society for Neuroscience and the Franklin Institute, Philadelphia, PA	2012
<b>Participant</b> , Brain Awareness Week, Philadelphia Chapter of the Society for Neuroscience and the Franklin Institute, Philadelphia, PA	2011
<b>Podcast</b> , NeuroPod, Neuroscience podcast from <i>Nature</i> , <a href="http://www.nature.com/neurosci/neuropod/index.htm">http://www.nature.com/neurosci/neuropod/index.htm</a>	2007
<b>Participant</b> , Brain Awareness Week, Bayberry Elementary, Watchung, NJ	2004

#### **MEDIA COVERAGE HIGHLIGHTS (research covered in over 80 news articles)**

Nature Biotechnology, News Feature, <i>The Missing Sex</i> <a href="https://doi.org/10.1038/s41587-021-00844-4">https://doi.org/10.1038/s41587-021-00844-4</a>	2021
Technology News <a href="https://www.technologynetworks.com/neuroscience/articles/psychiatric-research-suffering-from-legacy-of-ignoring-sex-differences-say-neuroscientists-337274">https://www.technologynetworks.com/neuroscience/articles/psychiatric-research-suffering-from-legacy-of-ignoring-sex-differences-say-neuroscientists-337274</a>	2020
Press Release, Federation of European Neuroscience Society's session on: Sex differences and estrogen effects: implications for neuropsychiatric disorders	2020
Pavlovian Society Feature Faculty <a href="https://sydneytrask.github.io/Pavlovian-Society-Featured-Faculty/index.html#may,2020:drdebrabangasser">https://sydneytrask.github.io/Pavlovian-Society-Featured-Faculty/index.html#may,2020:drdebrabangasser</a>	2020
Temple News <a href="http://temple-news.com/news/professor-working-policy-shift-include-female-brains/">http://temple-news.com/news/professor-working-policy-shift-include-female-brains/</a>	2017
College of Liberal Arts Newsroom <a href="http://liberalarts.temple.edu/about-us/newsroom/change-drug-testing-policy-may-lead-new-conclusions-temple-research-finds">http://liberalarts.temple.edu/about-us/newsroom/change-drug-testing-policy-may-lead-new-conclusions-temple-research-finds</a>	2017
Science News <a href="https://www.sciencenews.org/article/his-stress-not-her-stress">https://www.sciencenews.org/article/his-stress-not-her-stress</a>	2016
International Business Times, A.U. <a href="http://www.ibtimes.com.au/hormones-dictate-why-men-women-respond-differently-chronic-stress-1499994">http://www.ibtimes.com.au/hormones-dictate-why-men-women-respond-differently-chronic-stress-1499994</a>	2016
Metro, U.K. <a href="http://metro.co.uk/2016/01/12/heres-the-difference-between-male-and-female-stress-5617301/">http://metro.co.uk/2016/01/12/heres-the-difference-between-male-and-female-stress-5617301/</a>	2016
The Scientist, Speaking of Neurosciences <a href="http://www.the-scientist.com/?articles.view/articleNo/44301/title/Speaking-of-Neuroscience/">http://www.the-scientist.com/?articles.view/articleNo/44301/title/Speaking-of-Neuroscience/</a>	2015
Society for Neuroscience, Hot Topic	2015
American Psychological Association, Monitor on Psychology	2014
Live Science, Science News Website <a href="http://www.livescience.com/37053-depression-gender-differences.html">http://www.livescience.com/37053-depression-gender-differences.html</a>	2013
Coverage of Molecular Psychiatry paper (Highlights from over 70 news articles)	2010



NIMH Science Update	
<a href="http://www.nimh.nih.gov/science-news/2010/stress-hormone-receptors-less-adaptive-in-female-brain.shtml">http://www.nimh.nih.gov/science-news/2010/stress-hormone-receptors-less-adaptive-in-female-brain.shtml</a>	
Science Daily	
<a href="http://www.sciencedaily.com/releases/2010/06/100615105239.htm">http://www.sciencedaily.com/releases/2010/06/100615105239.htm</a>	
American Psychiatric Association	
<a href="http://psychnews.psychiatryonline.org/newsarticle.aspx?articleid=113625">http://psychnews.psychiatryonline.org/newsarticle.aspx?articleid=113625</a>	
MSN	
<a href="http://health.msn.com/health-topics/anxiety/articlepage.aspx?cp-documentid=100260286">http://health.msn.com/health-topics/anxiety/articlepage.aspx?cp-documentid=100260286</a>	
Molecular Psychiatry, Press Release	2010
Society for Neuroscience Press Book	2008
Society for Neuroscience Press Book	2006

### **DIVERSITY, EQUITY, AND INCLUSION LEADERSHIP POSITIONS**

<b>Founder and Co-Director</b> , BRIDGE (Building Research Independence by Developing Goals and Hands-on Experiences) Program, Temple University	2021–2022
<b>Community Engagement Coordinator</b> , the Mid-Atlantic Neuroscience Diversity Scholars (MiNDS) program, ENDURE grant supported by NINDS	2021–2022
<b>Co-Chair Ethics, Diversity, and Inclusion Committee</b> , Organization for the Study of Sex Differences	2020–2022
<b>Chair Ethics and Diversity Committee</b> , International Behavioral Neuroscience Society	2020–2021
<b>Co-Chair Ethics and Diversity Committee</b> , International Behavioral Neuroscience Society	2019–2020

### **NOTABLE SERVICE**

<b>Principal Editor</b> , Section Preclinical Psychopharmacology: Molecular, Genetic and Epigenetic - North and South America, Psychopharmacology	2021–Present
<b>Councilor</b> , Organization for the Study of Sex Differences	2020–Present
<b>Strategic Planning Committee</b> , College of Liberal Arts, Temple University	2019–Present
<b>USA Councilor</b> , International Behavioral Neuroscience Society	2019–Present
<b>Associate Web Editor</b> , American College of Neuropsychopharmacology	2018–Present
<b>Strategic Planning Committee</b> , College of Liberal Arts, Temple University	2016–2019
<b>Program Committee</b> , Society for Behavioral Neuroendocrinology	2015–2017
<b>Co-Chair</b> , Opening Doors Summit, American Psychological Association	2013–2015

### **JOURNAL EDITORSHIPS**

<b>Editorial Board</b> , Biology of Sex Differences	2021–Present
<b>Editorial Board</b> , Neuropharmacology	2020–Present
<b>Editorial Board</b> , Frontiers in Behavioral Neuroscience, Review Editor for Behavioral Endocrinology and Motivation and Reward	2019–Present
<b>Editorial Board</b> , Hormones and Behavior	2017–Present
<b>Editorial Board</b> , Scientific Reports	2016–2021

**GRANT REVIEWER SERVICE**

NIH, NIDA Training SEP (T32/R25/K99-R00)	2022
NIH, NIH BRAIN Initiative Advanced Postdoctoral Career Transition Award to Promote Diversity (K99/R00), Study Section (ZNS1 SRB-L)	2022
NIH, NIH BRAIN Initiative Advanced Postdoctoral Career Transition Award to Promote Diversity (K99/R00), Study Section (ZNS1 SRB-L)	2021
NIH, Neurodevelopment, Synaptic Plasticity, and Neurodegeneration Study Section (F31, F32) Study Section (F03A)	2021
NSF, Ad Hoc, BIO/IOS, Neural Systems	2021
NIH, NIDA Career Development and Education (K99 & R25)	2021
NIH, Behavioral Neuroscience Fellowship (F31, F32) Study Section (F02A)	2021
NIH, Molecular, Cellular and Behavior Neuroscience (F31, F32) Study Section (F02C)	2020
NIH, RFA, The Intersection of Sex and Gender Influences on Health and Disease	2020
NSF, Ad Hoc, BIO/IOS, Neural Systems	2018
NIH, Behavioral Neuroscience Fellowship (F31, F32) Study Section (F02A)	2018
United States Army Medical Research Acquisition Activity	2015
Biotechnology and Biological Sciences Research Council, United Kingdom	2014

**SERVICE TO THE PROFESSION**

<b>Travel Awardee Mentor</b> , American College of Neuropsychopharmacology Meeting, San Juan, PR	2021
<b>Mentor</b> , International Behavioral Neuroscience Society, Virtual	2021
<b>Mentor</b> , International Behavioral Neuroscience Society, Virtual	2020
<b>Mentor</b> , Winter Conference on Brain Research, Big Sky, MT	2020
<b>Moderator, Networking Session</b> , the Study of Sex Differences, Gender Bias and Trans Inclusive Research Practices (JEDI – Justice, Equity, Diversity and Inclusion), American College of Neuropsychopharmacology	2020
<b>Board of Directors</b> , POWERneuro	2019–Present
<b>Education and Training Committee</b> , International Behavioral Neuroscience Society	2019–2021
<b>Travel Awardee Mentor</b> , American College of Neuropsychopharmacology Meeting, Orlando, FL	2019
<b>Co-Chair</b> , Neuroendocrinology Social, Society for Neuroscience	2019
<b>Poster Judge</b> , International Behavioral Neuroscience Society, Boca Raton, FL	2019
<b>Mentor</b> , Breaking Barriers for Young Women in Science, Society for Neuroscience Meeting	2019
<b>Poster Judge</b> , Sex Differences in Brain and Behavior, Erice, Italy	2019
<b>Trainee Award Committee</b> , Society for Neuroscience	2018–2021
<b>Diversity Statement Committee</b> , International Behavioral Neuroscience Society	2018–2019
<b>Poster Judge</b> , International Behavioral Neuroscience Society, Boca Raton, FL	2018
<b>Animal Research Committee</b> , American College of Neuropsychopharmacology	2018–Present
<b>Travel Awardee Mentor</b> , American College of Neuropsychopharmacology Meeting, Ft. Lauderdale, FL	2017
<b>Poster Judge</b> , Mid-Atlantic Pharmacology Meeting, Philadelphia, PA	2017
<b>Poster Judge</b> , Philadelphia Chapter of the Society for Neuroscience Meeting, Philadelphia, PA	2017
<b>Travel Awardee Mentor</b> , American College of Neuropsychopharmacology Meeting, Ft. Lauderdale, FL	2016
<b>Mentor</b> , Meet the Professor Lunch, Society for Behavioral Neuroendocrinology Meeting, Montreal, Canada	2016
<b>Poster Judge</b> , Society for Behavioral Neuroendocrinology Meeting, Montreal, Canada	2016
<b>Co-Organizer, Mentoring Lunch</b> , Organization for the Study of Sex Differences Meeting, Philadelphia, PA	2016

<b>Councilor</b> , Philadelphia Chapter of the Society for Neuroscience, Philadelphia, PA	2015–Present
<b>Poster Judge</b> , Society for Behavioral Neuroendocrinology Meeting, Asilomar, CA	2015
<b>Minority Task Force</b> , American College of Neuropsychopharmacology	2015–2018
<b>Mentor</b> , Speed Mentoring Lunch, Society for Behavioral Neuroendocrinology Meeting, Asilomar, CA	2015
<b>Poster Judge</b> , Philadelphia Chapter of the Society for Neuroscience, Philadelphia, PA	2015
<b>Poster Judge</b> , Postdoctoral Poster Session, International Behavior Neuroscience Society, Las Vegas, NV	2014
<b>Mentor</b> , Speed Mentoring Lunch, Society for Behavioral Neuroendocrinology Meeting, Sydney, Australia	2014
<b>Co-Chair</b> , Neuroendocrinology Social, Society for Neuroscience	2014
<b>Panelist</b> , Career Transitions, The Children’s Hospital of Philadelphia, Philadelphia, PA	2013
<b>Workshop Participant</b> , Research Domain Criteria (RDoC), Arousal-Regulatory Systems, National Institute of Mental Health	2012
<b>Mentor</b> , Society for Neuroscience Meeting, New Orleans, LA	2012
<b>Workshop Participant</b> , Sex Differences in Brain, Behavior, Mental Health and Mental Disorders, National Institute of Mental Health	2011
<b>Poster Judge</b> , Neuroscience Program Poster Session, Temple University, Philadelphia, PA	2011

### **SERVICE TO THE UNIVERSITY**

<b>Research Mentor</b> , Minority Access to Research Careers, Temple University	2017–2018
<b>Research Mentor</b> , Minority Access to Research Careers, Temple University	2014–2015

### **SERVICE TO THE COLLEGE**

<b>Participant</b> , Experience Temple Day, Temple University, Philadelphia, PA	2022
<b>Participant</b> , Experience Temple Day, Temple University, Philadelphia, PA	2021
<b>Participant</b> , Experience Temple Day, Temple University, Philadelphia, PA	2020
<b>Sabbatical Committee, College of Liberal Arts</b>	2019–2021
<b>Participant</b> , Open House, Temple University, Philadelphia, PA	2019
<b>Diamond Research Award</b> , Selection Committee	2019
<b>Co-Chair Education Working Group</b> , College of Liberal Arts	2016–2017
<b>Participant</b> , Experience Temple Day, Temple University, Philadelphia, PA	2016
<b>Participant</b> , Experience Temple Day, Temple University, Philadelphia, PA	2015
<b>Participant</b> , Open House, Temple University, Philadelphia, PA	2014
<b>Participant</b> , Experience Temple Day, Neuroscience Program	2014
<b>Adviser</b> , National Society of Leadership and Success, Temple Chapter	2013–2015
<b>Meet the Candidates</b> , Teaching and Learning Center: Assistant Director Search	2012

### **SERVICE TO THE DEPARTMENT**

<b>Co-Chair Search Committee</b> , Neuroscience, Assistant Professor Faculty	2021–2022
<b>Chair, Neuroscience Undergraduate Committee</b> , Neuroscience Program	2018–Present
<b>Operations Committee</b> , Psychology Department	2016–2019
<b>Neuroscience Planning Committee</b> , Psychology Department	2016–2017
<b>Search Committee</b> , Neuroscience, Non-Tenure Track Faculty	2016
<b>Faculty Awards Committee</b> , Psychology Department	2015–2016
<b>Diversity Committee</b> , Psychology Department	2015–2016
<b>Search Committee</b> , Neuroscience, Assistant Professor Faculty	2015–2016
<b>Space Committee</b> , Psychology Department	2014–2015
<b>Participant</b> , Psi Chi Networking Event, Temple University, Philadelphia, PA	2014

<b>Student Awards Committee</b> , Psychology Department	2013–2014
<b>Search Committee</b> , Neuroscience, Assistant Professor Faculty	2013
<b>Search Committee</b> , Neuroscience, Non-Tenure Track Faculty	2013
<b>Search Committee</b> , Neuroscience, Full Professor Faculty	2012–2013
<b>Panelist</b> , Psi Chi Career Night, Temple University, Philadelphia, PA	2013
<b>Diversity Committee</b> , Psychology Department	2012–2013
<b>Participant</b> , Minority Psychology Student Association Career Mixer, Temple University, Philadelphia, PA	2012

### **JOURNAL REVIEWER FOR 28 JOURNALS (ALPHEBETICAL ORDER)**

Addiction Neuroscience	2022–Present
Behavioural Brain Research, Outstanding reviewer status	2012–Present
Biology of Sex Differences	2013–Present
Biological Psychiatry	2015–Present
Biological Psychology	2012–Present
Brain Research	2013–Present
Cell Reports	2017–Present
eLife	2017–Present
eNeuro	2017–Present
European Journal of Neuroscience	2014–Present
Frontiers in Neuroendocrinology	2014–Present
Hormones and Behavior	2013–Present
Journal of Neurophysiology	2014–Present
Journal of Neuroscience	2015–Present
Molecular Psychiatry	2018–Present
Neurobiology of Learning and Memory	2017–Present
Neurobiology of Stress	2014–Present
Neurological Research	2013–Present
Neuroendocrinology	2016–Present
Neuron	2017–Present
Neuropsychopharmacology	2013–Present
Neuroscience	2012–Present
Pharmacology, Biochemistry, and Behavior	2014–Present
Physiology and Behavior	2013–Present
Progress in Neurobiology	2017–Present
Psychoneuroendocrinology	2013–Present
Stress	2014–Present
Trends in Neurosciences	2019–Present

### **POSTDOCTORAL FELLOWS SUPERVISED (2 total)**

Amelia Cuarenta, Postdoctoral Fellow, Psychology Department, Temple University <i>Early life stress alterations of the genome (retrotransposons) and epigenome</i>	2020–Present
Alexia Williams, Postdoctoral Fellow, Psychology Department, Temple University <i>Early life stress effects on social reward and motivated behavior</i>	2021–2022

### **DOCTORAL STUDENTS AND PROJECTS/DISSERTATIONS SUPERVISED (6 total)**

Sydney Ku, Doctoral Student, Psychology and Neuroscience Department, Temple University <i>Effects of scarcity on maternal defensive behavior</i>	2021–Present
Claire Deckers, Doctoral Student, Psychology and Neuroscience	2021–2022 (stayed at Temple)

Department, Temple University <i>Lasting alterations in cortical astrocytes due to early life adversity</i>	
Evelyn Ordoñez Sanchez, Doctoral Student, Psychology Department, Temple University <i>The effects of stress on impulsivity</i>	2017–2021
Samantha Eck, Doctoral Student, Psychology Department, Temple University <i>The effects of early life stress on hormones and behavior</i>	2016–2021
Kimberly Wiersielis, Doctoral Student, Psychology Department, Temple University <i>Corticotropin releasing factor in the medial septum and its effects on cognition</i>	2013–2018

### **MASTER'S STUDENTS AND PROJECTS/THESES SUPERVISED (7 total)**

Cori Peterson, Master's Student, Neuroscience Program, Temple University <i>Investigating whether stress or sex affects cholinergic morphology in the striatum</i>	2020–2022
Miranda Langrehr, Master's Student, Neuroscience Program, Temple University <i>Corticotropin releasing factor binding protein regulation of female stress resilience</i>	2020–2021
Jamie Palmer, Master's Student, Neuroscience Program, Temple University <i>Early life stress affects adult male reproductive behaviors</i>	2018–2020
Alexander Telenson, Master's Student, Neuroscience Program, Temple University <i>Chronic stress regulation of sustained attention and cholinergic dendritic morphology in male and female rats</i>	2016–2018
Brittany M. Wicks, Master's Student, Professional Science Master's in Biotechnology, Temple University <i>Sex differences in the antidepressant effects of scopolamine in rats</i>	2015–2016
Jessica Tucci, Master's Student Rotation, Professional Science Master's in Biotechnology, Temple University <i>Effects of chronic variable stress in anxiety and depressive-like behaviors</i>	2015
Yushi Kawasumi, Master's Student, Psychology Department, Temple University <i>Corticotropin releasing factor (CRF) impairs sustained attention in male and female rats</i>	2013–2015

### **MENTORING: FACULTY OUTSIDE OF TEMPLE (2 total)**

Jennifer Honeycutt, PhD, Assistant Professor of Psychology and Neuroscience, Bowdoin College; Mentor for Maine IDeA Network of Biomedical Research Excellence Grant	2021–Present
Maria Deihl, PhD, Assistant Professor of Psychology, Kansas State University; Mentor for Pending COBRE grant	2021–Present

### **MENTORING: DOCTORAL STUDENT COLLABORATORS (2 total)**

Benjamin Shapero, Laboratory of Dr. Lauren Alloy, Temple University, Co-Mentor of Pre-doctoral NRSA grant	2012–2014
Robert Cole, Laboratory of Dr. Vinay Parikh, Temple University, Mentor of Research Assistantship	2012–2013

### **MENTORING: UNDERGRADUATE STUDENTS (54 total)**

Ravi Eaton, NSF summer student, Haverford	2022
Nylah Miles, MiNDS Scholar	2022
Rylee Usher, Undergraduate Research Assistant	2022–Present
Sydney Roth, Undergraduate Research Assistant	2022–Present
Caroline George, NIDA summer scholar	2022–Present
Alpha Diallo, BRIDGE scholar	2022–Present

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Kennedy Coates, NIDA summer scholar	2021–2022
Dieuseul Joseph, BRIDGE scholar	2021–Present
Jordan Case, NSF summer student, Villanova	2021
Sally Dolan, Undergraduate Research Assistant	2021–Present
Alexandra Hehn, Undergraduate Research Assistant	2021–Present
Melissa Peters, Undergraduate Research Assistant	2021–Present
Atiba Ingram, Undergraduate Research Assistant	2020–2021
Rutvik Mehta, Undergraduate Research Assistant	2020–Present
Alexandre Crosbie, Undergraduate Research Assistant	2020–2021
Mia Dephillippo, Undergraduate Research Assistant	2020–2021
Neil Sekhawat, Undergraduate Research Assistant	2019–2021
Alessandro Jean-Louis, Undergraduate Research Assistant	2019–2021
Andrea Quartey, Diversity Scholars Summer Research and Enrichment Program (DSSREP)	2019
Veronica Zin, PSY 3006, Honors Contract	2019
Mikala Moorech, Undergraduate Research Assistant	2019–2020
Miranda Langrehr, Undergraduate Research Assistant	2019–2020
Anosha Ahmed, Undergraduate Research Assistant	2018–Present
Charleanne Mackenzi Rogers, Undergraduate Research Assistant	2018–2020
James Flowers, Undergraduate Research Assistant	2018–2020
Eric Kim, Undergraduate Research Assistant	2018–Present
Demetruis Lee, Undergraduate Research Assistant	2017–2019
Sydney Famularo, Undergraduate Research Assistant	2017–2019
Sharon Fusi, Minority Access to Research Careers Student	2017–2018
Harah Jang, Undergraduate Research Assistant	2017–2018
Julia Kirkland, Undergraduate Research Assistant	2017
Arron Hall, Undergraduate Research Assistant	2016–2017
Natalie Newcamp, Undergraduate Research Assistant	2016–2017
Hanna Lefebv, Undergraduate Research Assistant	2015–2018
Attilio Ceretti, Undergraduate Research Assistant	2015–2018
Marni Shore, Undergraduate Distinction Project	2015–2017
Joy Bergmann, Undergraduate Distinction Project	2015–2017
Victoria Cantoral, Undergraduate Research Assistant	2015–2016
Madeleine Salvatore, Psychology Honor's Project	2015–2016
Sarah Cohen, Undergraduate Distinction Project	2014–2016
Hamidou Keita, Minority Access to Research Careers Student	2014–2015
Alexa Fritz, Undergraduate Distinction Project	2014–2015
Kyle White, Undergraduate Distinction Project	2014–2015
Gerald Van Buskirk, Undergraduate Work Study	2014–2015
Nina Duncan, Undergraduate Work Study	2013–2016
Sabina Khantsis, Undergraduate Distinction Project	2013–2016
Nausheen Baksh, Undergraduate Distinction Project	2013–2015
Adam Hawkins, Undergraduate Distinction Project	2013–2014
Michelle Caroline Lerner, Undergraduate Distinction Project	2013–2014
Holly Drutarovsky, Neuroscience Course 2222, Honors Project	2013
Brittany M. Wicks, Undergraduate Research Assistant	2013
Hannah Simko, Undergraduate Distinction Project	2012–2014
Mina Youssef, Undergraduate Work Study Student	2012–2014
Lindsey Tepfer, Undergraduate Work Study Student	2012

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**STUDENT AWARDS FOR MENTORED RESEARCH AND TEACHING (20 total)**

Atiba Ingram, 2 <sup>nd</sup> prize Neuroscience Distinction Poster, Temple University	2021
Mia Dephillippo, 3 <sup>rd</sup> prize Neuroscience Distinction Poster, Temple University	2021

Evelyn Ordoñez Sanchez, Travel Award, International Behavioral Neuroscience Society, Hybrid Meeting	2021
Samantha Eck, 1 <sup>st</sup> prize Poster Award, Philadelphia Chapter of the Society for Neuroscience, Philadelphia, PA	2020
Demetrius Lee, 3 <sup>rd</sup> prize Neuroscience Distinction Poster, Temple University	2019
Demetrius Lee, Posters on the Hill, Presented a poster to Members of Congress and their staff, Washington, DC	2019
Demetrius Lee, 1 <sup>st</sup> prize Poster Award, Mid-Atlantic Pharmacology Meeting, Philadelphia, PA	2018
Hanna Lefebo, Poster Award, Philadelphia Chapter of the Society for Neuroscience, Philadelphia, PA	2018
Alexander Telenson, Master's Prize, Neuroscience Research Day, Temple University	2018
Sydney Famularo, 3 <sup>rd</sup> prize Neuroscience Distinction Poster, Temple University	2018
Attilio Ceretti, 1 <sup>st</sup> prize Poster Award, Mid-Atlantic Pharmacology Meeting, Philadelphia, PA	2017
Marni Shore, Poster Award, Philadelphia Chapter of the Society for Neuroscience, Philadelphia, PA	2017
Marni Shore, 2 <sup>nd</sup> prize Neuroscience Distinction Poster, Temple University	2017
Joy Bergmann, 3 <sup>rd</sup> prize Neuroscience Distinction Poster, Temple University	2017
Joy Bergmann, Diamond Peer Teacher, <i>Functional Neuroanatomy</i> course, Temple University	2015
Nausheen Baksh, 1 <sup>st</sup> prize Neuroscience Distinction Poster, Temple University	2015
Sabina Khantsis, Poster Award, Philadelphia Chapter of the Society for Neuroscience, Philadelphia, PA	2015
Alexa Fritz, Diamond Peer Teacher, <i>Functional Neuroanatomy</i> course, Temple University	2015
Hannah Simko, 1 <sup>st</sup> prize Neuroscience Distinction Poster, Temple University	2014
Adam Hawkins, 2 <sup>nd</sup> prize Neuroscience Distinction Poster, Temple University	2014

#### **PRELIMINARY EXAM AND DISSERTATION COMMITTEE SERVICE (26 total)**

Claire Corbett, Thesis Committee, Department of Cell Biology and Neuroscience Rowan University School of Osteopathic Medicine	Defended 4–2022
Hannah Mayberry, Dissertation Committee, Department of Psychology, Temple University	Defended 4–2022
Melissa Knouse, Preliminary Exam Committee, Dissertation Committee, Department of Psychology, Temple University	Defended 4–2022
Andre Toussaint, Dissertation Committee, Department of Psychology, Temple University	Defended 3–2022
Anna McGrath, Dissertation Committee, Department of Psychology, Temple University	Defended 9–2021
Daniel Moriarity, Dissertation Committee, Department of Psychology, Temple University	Defended 4–2021
Olga Borodovitsyna, Dissertation Committee, Department of Cell Biology and Neuroscience Rowan University School of Osteopathic Medicine	Defended 4–2021
Hannah Mayberry, Preliminary Exam Committee, Department of Psychology Temple University	Defended 5–2020
Megan Wickens, Dissertation Committee, Department of Psychology Temple University	Defended 4–2020
Krista Connelly, Dissertation Committee, Department of Pharmacology Temple University, Katz School of Medicine	Defended 11–2019
Rand Mahmoud, Dissertation Committee, Department of Neuroscience, The University of British Columbia	Defended 11–2019

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Lee Anne Cannella, Thesis Committee, Department of Pathology and Laboratory Medicine, Temple University	Defended 4–2019
Chicora Oliver, Dissertation Committee, Department of Psychology Temple University	Defended 11–2018
Laura Krafjack, Dissertation Committee, Department of Neurobiology and Anatomy, Drexel University	Defended 7–2018
Megan Wickens, Preliminary Exam Committee, Department of Psychology Temple University	Defended 5–2018
Rob Cole, Dissertation Committee, Department of Psychology Temple University	Defended 4–2017
Chicora Oliver, Preliminary Exam Committee, Department of Psychology Temple University	Defended 5–2016
David Connor, Dissertation Committee, Department of Psychology Temple University	Defended 2–2016
Anna Fineberg, Dissertation Committee, Department of Psychology Temple University	Defended 12–2015
Erica Holliday, Dissertation Committee, Department of Psychology Temple University	Defended 11–2015
Benjamin Shapero, Dissertation Committee, Department of Psychology Temple University	Defended 6–2014
Rachelle Poole, Dissertation Committee, Department of Psychology Temple University	Defended 5–2014
Erica Holliday, Preliminary Exam Committee, Department of Psychology Temple University	Defended 5–2014
Prescott Leach, Dissertation Committee, Department of Psychology Temple University	Defended 12–2013
Caryne Craige, Dissertation Committee, Department of Pharmacology, Temple University School of Medicine	Defended 10–2013
Rachelle Poole, Preliminary Exam Committee, Department of Psychology Temple University	Defended 2013

### **PROFESSIONAL AFFILIATIONS**

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Philadelphia Chapter of the Society for Neuroscience	2015–Present
American College of Neuropsychopharmacology	2014–Present
American Psychological Association	2013–Present
International Behavioral Neuroscience Society	2012–Present
Organization for the Study of Sex Differences	2012–Present
Society for Behavioral Neuroendocrinology	2009–Present
Pavlovian Society	2003–Present
Society for Neuroscience	2002–Present

### **CAREER DEVELOPMENT (SINCE 2012)**

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Workshop on Unconscious Bias, International Behavioral Neuroscience Society	2021
Workshop on Diversity, Inclusion, and Belonging, Society for Behavioral Neuroscience	2020
Diversity Training, Institutional Diversity, Equity, Advocacy and Leadership (IDEAL), Temple University	2020
Online Teaching Certificate, College of Liberal Arts, Temple University	2020
Workshop, Efficient and Reproducible Research: An Introduction to the Open Science Framework, Organization for the Study of Sex Differences, Atlanta, GA	2018
Self-Promotion Workshop, Society for Behavioral Neuroendocrinology, Montreal, Canada	2016



Teaching Workshop, Society for Behavioral Neuroendocrinology, Asilomar, CA	2015
13 <sup>th</sup> Annual Faculty Conference for Teaching Excellence, Temple University	2015
Lunch with Temple's Great Teachers, Temple University	2014
Travel Fellows, Career Development Discussion, Winter Conference on Brain Research	2014
12 <sup>th</sup> Annual Faculty Conference for Teaching Excellence, Temple University	2014
Teaching Psych.: Facilitating Discussions in a Large Lecture Class, Temple University	2013
11 <sup>th</sup> Annual Faculty Conference for Teaching Excellence, Temple University	2013
TLC Light Reading Series: Teaching Psychology, Temple University	2012
TLC Seminar for New Faculty: Getting Started at Temple, Temple University	2012