

## CURRICULUM VITAE

### Cheryl D. Conrad

<b>ADDRESS</b>	<p>Arizona State University          Department of Psychology, Behavioral Neuroscience Area          Box 871104          Tempe, AZ 85287-1104          PHONE: (480) 965-7761 (Research office); (480) 965-7465 (Assistant Vice President's Office)          FAX: (480) 965-8554          email: conradc@asu.edu          webpage: <a href="https://psychology.clas.asu.edu/research/labs/behavioral-neuroscience-research-stress-conrad">https://psychology.clas.asu.edu/research/labs/behavioral-neuroscience-research-stress-conrad</a></p>
<b>EDUCATION</b>	<p>1986 B.S., with honors, Biology, University of California, Irvine  <i>Undergraduate Mentor: Dr. Norman M. Weinberger</i></p> <p>1986 B.S., Chemistry, University of California, Irvine</p> <p>1994 Ph.D., Neuroscience, University of Illinois, Urbana-Champaign  <i>Graduate Mentor: Dr. Edward J. Roy</i></p> <p>1994-1997 Postdoctoral Fellow (NIMH), The Rockefeller University          The Neuroendocrinology Laboratory, New York, NY  <i>Postdoctoral Mentor: Dr. Bruce S. McEwen</i></p>
<b>FACULTY APPOINTMENTS</b>	
<i>Core Faculty Appointments</i>	
1997-2003	<u>Assistant Professor</u> , Department of Psychology, Arizona State University, Tempe, AZ
2003-2010	<u>Associate Professor</u> , Department of Psychology, Arizona State University Tempe, AZ
2010-present	<u>Full Professor</u> , Department of Psychology, Arizona State University Tempe, AZ
<i>Administrative Appointments</i>	
2004, 2006-2009	<u>Area Director of Behavioral Neuroscience</u> , Department of Psychology, Arizona State University, Tempe AZ <i>Oversaw the area's graduate training and recruitment, course instruction, and operational needs in an animal research program. Point of contact for the animal care, Environmental Health and Safety and the fire marshall.</i>
2007-2009	<u>Executive Member of the Founding Committee</u> , Interdisciplinary Graduate Program in Neuroscience, Arizona State University, Tempe, AZ <i>A key player in the first few years as the program was envisioned, implemented and progressed into an interdisciplinary program that partnered faculty from ASU University of Arizona Medical School and the Barrow Neurological Institute.</i>

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2009-2011	<p><u>Associate Dean for Research in the Division of the Natural Sciences</u>, College of Liberal Arts and Sciences, Arizona State University, Tempe, AZ</p> <p><i>Oversaw the research and facility needs of the Natural Sciences (Chemistry, Life Sciences, Kinesiology, Mathematics, Physics, Psychology, and Speech/Hearing) and reported to the Natural Science Dean, Sid Bacon. My portfolio included vetting cost-share requests, overseeing the college pre-award (proposal submission) centralized support team, centralizing broad-use recharge facilities, provided research analytics and predictions, and facilitating infrastructure progress and investments.</i></p>
2011-2014	<p><u>Associate Dean of Research and Facilities</u>, College of Liberal Arts and Sciences, Arizona State University, Tempe, AZ</p> <p><i>Under the new leadership of Dean Robert Page, JR., I was promoted to oversee the research and facilities for all of the College, including the Natural Sciences, Social Sciences and Humanities. My expanded portfolio covered the same topics as before. In addition, I was also given discretion to re-invest the indirect cost returns into seed funding programs, which resulted in outcomes for facility infrastructure, seed funding for faculty, undergraduate research opportunities, and bridge funding.</i></p>
2014-2016	<p><u>Associate Dean for Research</u>, College of Liberal Arts and Sciences, Arizona State University, Tempe, AZ</p> <p><i>Under the new leadership of Dean Patrick Kenney, my position was restructured to oversee the research enterprise without the facilities: cost-share vetting, proposal sign-off oversight, centralized recharge center oversight, research analytics and predictions, and seed investment opportunities. In addition, I oversaw the assessment and review of the forty centers and institutes reporting to the college and started a research advisory committee as a brainstorming group to identify novel ways to invest in our faculty.</i></p>
2016-present	<p><u>Assistant Vice President of Research Development</u>, Knowledge Enterprise and Development, Arizona State University, Tempe AZ</p> <p><i>My portfolio includes chair of the limited submissions committee, chair of seed funding programs, co-chair of the institutional policy committee, oversight and final approval of all the university cost-share requests, chair of the oversight committee for centralized recharge centers that report to OKED, chair or co-chair of several institutional policy committees (Environmental Health and Safety, Senate Committees as they pertain to research), and assessing the impact of various research investments.</i></p>
2016-present	<p><u>Research Integrity Officer (RIO)</u>, Arizona State University, Tempe AZ</p> <p><i>I am the point of contact for any complaint received about an ASU endeavor involving research misconduct as it pertains to plagiarism, data fabrication or falsification.</i></p>
2018-present	<p><u>Faculty Honors Advisor</u>, Arizona State University, Tempe AZ</p> <p><i>I work with Clark Presson and William Corbin to assist Psychology students in the honor's sequence to meet thesis requirement deadlines, with a focus on those students who are not in the official honors sequence with Clark, Art Glenberg or Mary Davis.</i></p>

### ***Affiliated and Visiting Positions***

2000-present	<p><u>Affiliated Faculty</u>, Molecular and Cellular Biology in the School of Life Sciences, Arizona State University, Tempe AZ</p>
2004-2006	<p><u>Affiliated Faculty</u>, Neuroscience and Physiology in the School of Life Sciences, Arizona State University, Tempe AZ</p>

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2005 summer	<u>Visiting Scholar</u> , Division Medical Pharmacology, Leiden University, The Netherlands, <i>Sponsor</i> : Dr. E. Ronald de Kloet
2005 fall	<u>Visiting Scholar</u> , Center for Neural Science, New York University, NY, NY, <i>Sponsor</i> : Dr. Joseph LeDoux
2005-present	<u>Honors Disciplinary Faculty</u> , Barrett Honors College, Arizona State University, Tempe, AZ. Awarded for outstanding contributions to the honors students at Arizona State University
2007-present	<u>Member</u> , Interdisciplinary Graduate Program in Neuroscience, Arizona State University, Tempe, AZ
2012-present	<u>Affiliated Faculty</u> , Animal Behavior in the School of Life Sciences, Arizona State University, Tempe, AZ

### HONORS & AWARDS

1986	Honors in Biology, University of California, Irvine
1991	Doolen Scholarship for the Study of Aging, University of Illinois, Urbana
1991 & 1992	Outstanding Teacher, University of Illinois, Urbana-Champaign
1997	Who's Who in American Women
2002	Nominated for Outstanding Faculty Mentor, an honor bestowed upon mentors across all disciplines at Arizona State University
2003	Nominated for the Last Lecture Series, an honor bestowed upon outstanding teachers across all disciplines at Arizona State University
2007	Received title of "Honors Disciplinary Faculty" for outstanding contributions to the honors students of Arizona State University
2007-2008	Nominated Invitee, Faculty Women's Association Leadership Project, Selected faculty are chosen to participate in leadership development at ASU
2007	Recognized as one of 15 outstanding professors/mentors by Alpha Kappa Psi, a Professional Business Fraternity for all majors at Arizona State University
2008	Nominated for the "2008 Dean's Quality Teaching Award in honor of Zebulon Pearce, Natural Sciences" an honor for teachers within the College of Liberal Arts and Sciences at Arizona State University
2008	ASU Woman's Softball team "Guest Coach," awarded to faculty or staff who connect with student-athletes in the classroom or the campus community.
2009	Nominated, Professor of the Year, Sponsored by Arizona State University Parent's Association
2009	Nominated, Outstanding Graduate Mentor, an honor bestowed upon mentors across all disciplines at Arizona State University
2009	Honored Guest, College of Liberal Arts and Sciences Convocation ceremony, for making a difference in an undergraduate student's education, Arizona State University
2012	Outstanding Achievement & Contribution Award, for advancing the status and opportunities for women, Sponsored by the Commission on the Status of Women at Arizona State University
2016	Nominated for Outstanding Faculty Mentor Award, ASU Faculty Women's Association.

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### RESEARCH INTERESTS

Central Theme	The goal of my research is to understand the mechanisms by which stress influences brain plasticity and resilience. I use chronic stress in rodent models to study the neurobiological underpinnings of depression and post-traumatic stress disorder (PTSD).
Techniques	• Cognitive assessment (water mazes, fear conditioning, Y-maze, T-maze, object exploration) • anxiety assessment (elevated plus maze, open field, novelty suppressed feeding) • Depression models (sucrose preference, Forced swim) • morphological assessment (Nissl, golgi, stereology) • surgery (stereotaxic, castration, adrenalectomy) • hormone (corticosterone) and neurotrophic (BDNF) assays (ELISA) • in situ hybridization • using viral vectors to target RNAi
Key words	• Behavioral Neuroscience • Neuroendocrinology • Stress Hormones • Learning and Memory • Hippocampus • Amygdala • Neuroanatomy • Cognition • Sexual Dimorphism

### PROFESSIONAL MEMBERSHIPS

1987-present	Society for Neuroscience (SfN)
1992-present	American Psychological Society (APS)
1998-present	Society for Behavioral Neuroendocrinology (SBN)
1999-present	New York Academy of Sciences (NYAS)
2007-present	American Psychological Association (APA)
2007-present	Association for Women in Science (AWIS)
2009-present	Organization for the Study of Sex Differences (OSSD)
2011-present	Society for Neuroscience, Tempe Chapter
2014-present	International Behavioral Neuroscience Society (IBNS)

### GRANTS

1988-1991	National Institute of Health, Predoctoral Training Grant MH18412
1994-1996	National Institute of Health, Postdoctoral Fellowship, MH10804 “ <i>Adrenal Steroids and the Hippocampus</i> ”
1996-1997	National Institute of Health, Postdoctoral Fellowship, MH11526 “ <i>Adrenal Steroids and Hippocampal Function</i> ”
2000	<u>Principal Investigator</u> , Arizona State University, Faculty Grant-In-Aid “ <i>The Effects of Chronic Stress and Hippocampal Structure</i> ” (\$7,000/1 yr)
2000-2001	<u>Principal Investigator</u> , Research Incentive Award, Arizona State University “ <i>Chronic Stress, the Hippocampus &amp; Memory</i> ” (\$16,000/1 yr)
2002- 2008	<u>Principal Investigator: Conrad</u> , National Institute of Mental Health, “ <i>Significance of Stress-Induced Hippocampal Atrophy</i> ” (MH64727, \$1,140,000 total costs/5 yrs)
2003-2003	<u>Principal Investigator</u> , National Institute of Mental Health, “ <i>Supplement to Significance of Stress-Induced Hippocampal Atrophy</i> ” (MH64727-01A1S1, \$50,000/yr for 4 1/2 yrs)
2008-2009	<u>Principal Investigator: Conrad</u> , Institute for Mental Health Research (IMHR) in Arizona, “ <i>Chronic stress &amp; Gender Effects on Prefrontal Cortex: Implications for Depression</i> ” (\$25,000/1 yr).

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2008-2011	<u>Principal Investigator: Conrad</u> : Arizona Biomedical Research Commission (ABRC), “ <i>Stress and Estrogen Actions in the Female Hippocampus</i> ” (\$150,000/3 yrs).
2011	<u>Principal Investigator: Conrad</u> : Western Alliance to Expand Student Opportunities (WAESC) c/o Hispanic Research Center, “ <i>Functional Activation of the Hippocampus and Amygdala Following Stress</i> ” (\$3,100/1 semester).

### PUBLICATIONS *Note: mentees are designated as follows:*

graduate student = 1x underline; undergraduate student = 2x underline; postdoctoral associate = °

§ Indicates under-represented student in science

<sup>MARC</sup> Indicates student in the Minority Access to Research Careers, funded by NIH

\* Indicates student awarded funding through the Howard Hughes Medical Institute and/or the Office of the Provost through the School of Life Sciences Enrichment Programs at ASU

### Complete List of Published Work in:

MyBibliography (via NCBI), which excludes many books and chapters:

[http://www.ncbi.nlm.nih.gov/sites/myncbi/1p\\_4tboqUqXAG/bibliography/50816189/public/?sort=date&direction=ascending](http://www.ncbi.nlm.nih.gov/sites/myncbi/1p_4tboqUqXAG/bibliography/50816189/public/?sort=date&direction=ascending)

Google Scholar, includes many books and chapters:

<https://scholar.google.com/citations?hl=en&user=yU-ZuVUAAAAJ>

### Refereed Research Articles

1. **(Conrad) Condon, C.D.**, & Weinberger, N.M. (1991). Habituation produces frequency-specific plasticity of receptive fields in the auditory cortex. *Behavioral Neuroscience*, 105(3), 416-430.  
DOI: 10.1037/0735-7044.105.3.416
2. **Conrad, C.D.**, & Roy, E.J. (1993). Selective hippocampal granule cell loss after adrenalectomy: Implications for spatial memory. *The Journal of Neuroscience*, 13(6), 2582-2590.
3. **Conrad, C.D.**, & Roy, E.J. (1995). Dentate gyrus destruction and spatial learning impairment after corticosteroid removal in young and middle-aged rats. *Hippocampus*, 5, 1-15.  
DOI: 10.1002/hipo.450050103
4. Bulloch, K., Prasad, A., **Conrad°**, C.D., McEwen, B.S., & Milner, T.A. (1996). Calcitonin gene related peptide increases in the rat dentate gyrus after damage. *NeuroReport*, 7, 1036-1040.  
<http://www.ncbi.nlm.nih.gov/pubmed/8804046>
5. **Conrad, C.D.°**, Galea, L.A.M.°, Kuroda, Y.°, & McEwen, B.S. (1996). Chronic stress impairs rat spatial memory on the Y-Maze, and this effect is blocked by tianeptine pretreatment. *Behavioral Neuroscience*, 110(6), 1321-1334.  
DOI: 10.1037/0735-7044.110.6.1321

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6. **Conrad, C.D., Leone, D., Nemivant, R.R., & Roy, E.J.** (1997). Long-term adrenalectomy can decrease or increase hippocampal dentate gyrus volumes. *Journal of Neuroendocrinology*, 9, 355-361.  
DOI: 10.1046/j.1365-2826.1997.00584.x
7. **Conrad, C.D.<sup>o</sup>, Lupien, S.J.<sup>o</sup>, Thanasoulis, L.C., & McEwen, B.S.** (1997). Effects of Type I and Type II corticosteroid receptor agonists on exploratory behavior and spatial memory on the Y-Maze. *Brain Research*, 759, 76-83.  
DOI: 10.1016/S0006-8993(97)00236-9
8. **Conrad, C.D.<sup>o</sup>, Lupien, S.J.<sup>o</sup>, & McEwen, B.S.** (1999). Support for a bimodal role for Type II adrenal steroid receptors in spatial memory. *Neurobiology of Learning and Memory*, 72, 39-46.  
DOI: 10.1006/nlme.1998.3898
9. **Conrad, C.D.<sup>o</sup>, Magariños, A.M.<sup>o</sup>, LeDoux, J.E., & McEwen, B.S.** (1999). Repeated restraint stress facilitates fear conditioning independently of causing hippocampal CA3 dendritic atrophy. *Behavioral Neuroscience*, 113, 902-913.  
DOI: 10.1037//0735-7044.113.5.902
10. **Conrad, C.D.<sup>o</sup>, & McEwen, B.S.** (2000). Acute stress increases neuropeptide Y (NPY) mRNA within the arcuate nucleus and hilus of the dentate gyrus. *Molecular Brain Research*, 23, 102-109.  
DOI: 10.1016/S0169-328X(00)00105-4
11. **Conrad, C.D., Mauldin-Jourdain, M.L., & Hobbs, R.J.** (2001). Metyrapone reveals that previous chronic stress differentially impairs hippocampal-dependent memory. *Stress*, 4(4), 305-318.
12. **Conrad, C.D., Grote, K.A., Hobbs, R.J., & Ferayorni, A.** (2003). Sex differences in spatial and non-spatial Y-maze performance after chronic stress. *Neurobiology of Learning and Memory*, 79, 32-40.  
DOI: 10.1016/S1074-7427(02)00018-7
13. **Conrad, C.D., Jackson, J.L.\*, Wiczorek, L.\*, Baran, S.E. §, Harman, J.S.\*, Wright, R.L., & Korol, D.L.** (2004). Acute stress impairs spatial memory in male but not female rats: Influence of estrous cycle. *Pharmacology, Biochemistry and Behavior*, 78, 569-579.  
DOI: 10.1016/j.pbb.2004.04.025
14. **Conrad, C.D., Jackson, J.L.\*, & Wise, L.\*** (2004). Chronic stress enhances Ibotenic Acid-induced damage selectively within the hippocampal CA3 region of male, but not female rats. *Neuroscience*, 125, 759-767.  
DOI: 10.1016/j.neuroscience.2004.01.049

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15. **Conrad, C.D.**, **MacMillan II, D.D.**, **Tsekhanov, S.\***, **Wright, R.L.**, **Baran, S.E. §**, & **Fuchs, R.A.** (2004). Influence of chronic corticosterone & glucocorticoid receptor antagonism in the amygdala on fear conditioning. *Neurobiology of Learning and Memory*, *81*, 185-199.  
DOI: 10.1016/j.nlm.2004.01.002 10.1016/j.bbr.2011.03.031
16. **Baran, S.E. §**, **Campbell, A.M.**, **Kleen, J.K.\***, **Foltz, C.H.\***, **Wright, R.L.**, **Diamond, D.M.**, & **Conrad, C.D.** (2005). Combination of high fat diet and chronic stress retracts hippocampal dendrites. *NeuroReport*, *16*, 39-43.  
DOI: 10.1097/00001756-200501190-00010
17. **McLaughlin, K.J.**, **Baran, S.E. §**, **Wright, R.L.**, & **Conrad, C.D.** (2005). Chronic stress enhances spatial memory in ovariectomized female rats despite CA3 dendritic retraction: Possible involvement of CA1 neurons. *Neuroscience*, *135*, 1045-1054.  
DOI: 10.1016/j.neuroscience.2005.06.083
18. **Wright, R.L.**, & **Conrad, C.D.** (2005). Chronic stress leaves novelty-seeking intact while impairing spatial recognition memory in the Y-maze. *Stress*, *8*(2), 151-154.  
DOI: 10.1080/10253890500156663
19. **Bellani, R.**<sup>MARC</sup>, **Luecken, L. J.**, & **Conrad, C.D.** (2006). Peripubertal anxiety profile can predict spatial memory impairments following chronic stress. *Behavioural Brain Research*, *166*, 263-270.  
DOI: 10.1016/j.bbr.2005.08.006
20. **Diamond, D.M.**, **Campbell, A.M.**, **Park, C.R.°**, **Woodson, J.C.°**, **Conrad, C.D.**, **Bachstetter, A.D.**, & **Mervis, R.** (2006). Influence of predator stress on the consolidation versus retrieval of long-term spatial memory and hippocampus spinogenesis. *Hippocampus*, *16*, 571-576.  
DOI: 10.1002/hipo.20188
21. **Kleen, J.\***, **Sitomer, M.**, **Killeen, P.**, & **Conrad, C.D.** (2006). Chronic stress impairs spatial memory and motivation for reward without disrupting motor ability and motivation to explore. *Behavioral Neuroscience*, *120*(4), 842-851.  
DOI: 10.1037/0735-7044.120.4.842
22. **Romeo, R.D.°**, **Bellani, R. §**, **Karatsoreos, I.N.**, **Chhua, N.**, **Vernov, M.**, **Conrad, C.D.**, & **McEwen, B.S.** (2006). Stress history and pubertal development interact to shape hypothalamic-pituitary-adrenal axis plasticity. *Endocrinology*, *147*(4), 1664-1674.  
DOI: 10.1210/en.2005-1432

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23. Wright, R.L., Lightner, E.N.\*, Harman, J.S.\*, Meijer, O., & **Conrad, C.D.** (2006). Attenuating corticosterone levels on the day of memory assessment prevents chronic stress-induced spatial memory deficits. *European Journal of Neuroscience*, 24, 595-605.  
DOI: 10.1111/j.1460-9568.2006.04948.x
24. **Conrad, C.D.**, McLaughlin, K.J., Harman, J.S.\*, Foltz, C.\*, Wieczorek, L.\*, Lightner, E.\*, & Wright, R.L. (2007). Chronic glucocorticoids increase hippocampal vulnerability to neurotoxicity under conditions that produce CA3 dendritic retraction, but fail to impair spatial recognition memory. *The Journal of Neuroscience*, 27(31), 8278-8285.  
DOI: 10.1523/JNEUROSCI.2121-07.2007
25. McLaughlin, K.J., Gomez, J. §<sup>MARC</sup>, Baran, S.E. §, & **Conrad, C.D.** (2007). The effects of chronic stress on hippocampal morphology and function: An evaluation of chronic restraint paradigms. *Brain Research*, 1161, 56-64.  
DOI: 10.1016/j.brainres.2007.05.042
26. McLaughlin, K.J., Bimonte-Nelson, H., Neisewander, J.L., & **Conrad, C.D.** (2008). Assessment of estradiol influence on spatial tasks and hippocampal CA1 spines: Evidence that the duration of hormone depletion after ovariectomy compromises 17 $\beta$ -estradiol effectiveness in altering CA1 spines. *Hormones and Behavior*, 54, 386-395.  
DOI: 10.1016/j.yhbeh.2008.04.010
27. Park, C.R.<sup>o</sup>, Zoladz, P.R., **Conrad, C.D.**, Fleshner, M. & Diamond, D.M. (2008) Acute predator stress impairs the consolidation and retrieval of hippocampus-dependent memory in male and female rats. *Learning and Memory*, 15(4), 271-280.  
DOI: 10.1101/lm.721108
28. Wright, R.L., & **Conrad, C.D.** (2008) Enriched environment prevents chronic stress-induced spatial learning and memory deficits. *Behavioral Brain Research*, 187(1), 41-47.  
DOI: 10.1016/j.bbr.2007.08.025
29. Zoladz, P.R., **Conrad, C.D.**, Fleshner, M., & Diamond, D.M. (2008) Acute episodes of predator exposure in conjunction with chronic social instability as an animal model of Post-Traumatic Stress Disorder. *Stress*, 11(4), 259-281.  
DOI: 10.1080/10253890701768613



30. Baran, S.E. §, Armstrong, C.E.\*, Niren, D.C.\*, Hanna, J.J.\*, & **Conrad, C.D.** (2009). Chronic stress and sex differences on the recall of fear conditioning and extinction. *Neurobiology of Learning and Memory*, *91*, 323-332.  
DOI: 10.1016/j.nlm.2008.11.005
31. Baran, S.E. §, Armstrong, C.E.\*, Niren, D.C.\*, & **Conrad, C.D.** (2010). Prefrontal cortex lesions and sex differences in fear extinction and perseveration. *Learning & Memory*, *17*, 267-278.  
DOI: 10.1101/lm.1778010
32. Hoffman, A.E., Armstrong, C.E.\*, Hanna, J.J.\*, & **Conrad, C.D.** (2010). Chronic stress, cyclic 17 $\beta$ -estradiol, and daily handling influences on fear conditioning in the female rat. *Neurobiology of Learning and Memory*, *94*, 422-433.  
DOI: 10.1016/j.nlm.2010.08.010
33. McLaughlin, K.J., Wilson, J.O.\*, Harman, J.\*, Wright, R.L., Wieczorek, L.A.\*, Gomez, J. §<sup>MARC</sup>, Korol, D.L., & **Conrad, C.D.** (2010). Chronic 17beta-estradiol or cholesterol prevents stress-induced hippocampal CA3 dendritic retraction in ovariectomized females: Possible correspondence between CA1 spine properties and spatial acquisition. *Hippocampus*, *20*(6), 768-786.  
DOI: 10.1002/hipo.20678
34. Hoffman, A.N., Krigbaum, A.M.\*, Ortiz, J.B. §, Mika, A.\*, Hutchinson, K.M., Bimonte-Nelson, H., & **Conrad, C.D.** (2011). Recovery after Chronic Stress within Spatial Reference and Working Memory Domains: Correspondence to Hippocampal Morphology. *European Journal of Neuroscience*, *34*, 1023-1030.  
DOI: 10.1111/j.1460-9568.2011.07820.x
35. Huynh, T.N., Krigbaum\*, A., Hanna\*, J.J., & **Conrad, C.D.** (2011). Sex differences and phase of the light cycle modify chronic stress effects on anxiety and depressive-like behavior. *Behavioural Brain Research*, *222*, 212-222.  
DOI: 10.1016/j.bbr.2011.03.038
36. **Conrad, C.D.**, McLaughlin, K.J., Huynh, T., El-Ashmawy, M. §<sup>MARC</sup>, & Sparks, M.\* (2012). Chronic stress and a cyclic regimen of estradiol administration separately facilitate spatial memory: Relationship with CA1 spine density and dendritic complexity. *Behavioral Neuroscience*, *126*(1), 142-156.  
DOI: [10.1037/a0025770](https://doi.org/10.1037/a0025770)

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37. Camp, B.W., Gerson, J.E., Tsang, C.W.S., Villa, S.R., Acosta, J.I.<sup>o</sup>, Braden, B.B., Hoffman, A.N., **Conrad, C.D.**, & Bimonte-Nelson, H.A. (2012). High serum adrostenedione levels correlate with impaired memory in the surgically menopausal rat: A replication and new findings. *European Journal of Neuroscience*, *36*, 3086-3095.  
DOI: 10.1111/j.1460-9568.2012.08194.x
38. Hutchinson, K.M., McLaughlin, K.J., Wright, R.L., Ortiz, J.B. §, Anouti, D.P. §, Mika, A., Diamond, D.M., & **Conrad, C.D.** (2012). Environmental enrichment protects against the effects of chronic stress on cognitive and morphological measures of hippocampal integrity. *Neurobiology of Learning and Memory*, *97*, 250-260.  
<http://dx.doi.org/10.1016/j.nlm.2012.01.003>
39. Mika, A.\*, Mazur, G.J., Hoffman, A.N., Talboom, J.S., Bimonte-Nelson, H.A., Sanabria, F., & **Conrad, C.D.** (2012). Chronic Stress Impairs Prefrontal Cortex-Dependent Response Inhibition and Spatial Working Memory. *Behavioral Neuroscience*, *126*(5), 605-619.  
DOI: 10.1037/a0029642
40. Ortiz, J.B. §, McLaughlin, K.J., Hamilton, G.F., Baran, S.E., Campbell, A.N., & **Conrad, C.D.** (2013). Estradiol and perhaps cholesterol protect against corticosterone-induced hippocampal CA3 dendritic retraction in gonadectomized female and male rats. *Neuroscience*, *246*, 409-421.  
DOI: 10.1016/j.neuroscience.2013.04.027
41. Hoffman, A.N., Anouti, D.P.\*§, Lacagnina, M.J., Nikulina, E., Hammer Jr., R.P., & **Conrad, C.D.** (2013). Experience-dependent effects of restraint stress on corticolimbic c-Fos expression. *Stress*, *16*(5), 587-591.  
DOI: 10.3109/10253890.2013.804505
42. Hoffman, A.N., Lorson, N.G., Sanabria, F., Olive, M.F., & **Conrad, C.D.** (2014). Chronic stress disrupts fear extinction and enhances amygdala and hippocampal Fos expression in an animal model of post-traumatic stress disorder. *Neurobiology of Learning and Memory*, *112*, 139-147.  
DOI: <http://dx.doi.org/10.1016/j.nlm.2014.01.018>
43. Taylor, S.B.<sup>o</sup>, Anglin, J.M., Paode, P.R., Riggert, A.G., Olive, M.F., & **Conrad, C.D.** (2014). Chronic stress may facilitate the recruitment of habit- and addition-related neurocircuitries through neuronal restructuring of the striatum. *Neuroscience*, *280*, 231-242.  
DOI: <http://dx.doi.org/10.1016/j.neuroscience.2014.09.029>

44. Ortiz, J.B., Mathewson, C.M., Hoffman, A.N., Hanavan, P.D., Terwilliger, E.F., & **Conrad, C.D.** (2014). Hippocampal BDNF mediates recovery from chronic stress-induced spatial reference memory deficits. *European Journal of Neuroscience*, *40*, 3351-3362.  
DOI: 10.1111/ejn.12703
45. Ortiz, J.B., Taylor, S.B.<sup>o</sup>, Hoffman, A.N., Campbell, A.N., Lucas, L.R., & **Conrad, C.D.** (2015). Sex-specific impairment and recovery of spatial learning following the end of chronic unpredictable restraint stress: Potential relevance of limbic GAD. *Behavioural Brain Research*, *282*, 176-184.  
<http://dx.doi.org/10.1016/j.bbr.2014.12.051>
46. Hoffman, A.N., Parga, A., Paode, P.R., Watterson, L.R., Nikulina, E.M., Hammer, Jr., R.P., & **Conrad, C.D.** (2015). Chronic stress enhanced fear memories are associated with increased amygdala *zif268* mRNA expression and are resistant to reconsolidation. *Neurobiology of Learning and Memory*, *120*, 61-68.  
DOI: <http://dx.doi.org/10.1016/j.nlm.2015.02.004>
47. Prokai, L., Nguyen, V., Szarka, S., Garg, P., Sabnis, G., Bimonte-Nelson, H.A., McLaughlin, K.J., Talboom, J.S., **Conrad, C.D.**, Shughrue, P.J., Gould, T.D., Brodie, A., Merchenthaler, I., Kolulen, P., Prokai-Tatrai, K. (2015). The prodrug DHED selectively delivers 17 $\beta$ -estradiol to the brain for treating estrogen-responsive disorders. *Science Translational Medicine*, *7*, 1-10.  
DOI: 10.1126/scitranslmed.aab1290
48. Taylor, S.B.<sup>o</sup>, Watterson, L.R.\*, Kufahl, P.R.<sup>o</sup>, Nemirovsky, N.E., Tomek, S.E.\*, **Conrad, C.D.**, & Olive, M.F. (2016). Chronic variable stress and intravenous methamphetamine self-administration – role of individual differences in behavioral and physiological reactivity to novelty. *Neuropharmacology*, *108*, 353-363.  
DOI: <http://dx.doi.org/10.1016/j.neuropharm.2016.05.003>
49. Hoffman, A.N., Paode, P.R., May, H.G., Ortiz, J.B., Kemmou, S., Lifshitz, J., **Conrad, C.D.** & Thomas, T.C. (2017) Early and persistent dendritic hypertrophy in the basolateral amygdala following experimental diffuse traumatic brain injury. *Journal of Neurotrauma*, *34* (1), 213-219.  
DOI:10.1089/neu.2015.4339 [http PMID 27306143](http://pubmed.ncbi.nlm.nih.gov/27306143/)  
<http://online.liebertpub.com/doi/pdfplus/10.1089/neu.2015.4339>

VITA – Cheryl D. Conrad

50. Nishimura, K.J., Ortiz, J.B. §, & **Conrad, C.D.** (2017). Antagonizing the GABA<sub>A</sub> receptor during behavioral testing improves spatial memory in chronically stressed rats. *The Neurobiology of Learning and Memory*, 145, 114-118.  
<https://doi.org/10.1016/j.nlm.2017.09.002>

*Invited Theoretical  
Review Papers  
Peer-Reviewed*

51. McEwen, B.S., **Conrad, C.D.**<sup>o</sup>, Kuroda, Y.<sup>o</sup>, Frankfurt, M., Magariños, A.M.<sup>o</sup>, & McKittrick, C. (1997). Prevention of stress-induced morphological and cognitive consequences. *European Neuropsychopharmacology*, 7, S323-328.

52. **Conrad, C.D.** (2005). The relationship between acute glucocorticoid levels and hippocampal function depends upon task aversiveness and memory processing stage. *Nonlinearity in Biology, Toxicology and Medicine*, 3, 57-78.  
DOI: 10.2201/nonlin.003.01.004

53. **Conrad, C.D.** (2006). What is the functional significance of chronic stress-induced CA3 dendritic retraction within the hippocampus? *Behavioral and Cognitive Neuroscience Reviews*, 5, 41-60.  
DOI: 10.1177/1534582306289043

54. **Conrad, C.D.** (2008). Chronic stress-induced hippocampal vulnerability: The Glucocorticoid Vulnerability Hypothesis. *Reviews in the Neurosciences*, 19(6), 395-412.  
PMC2746750

55. McLaughlin, K.J., Baran, S.E. §, & **Conrad, C.D.** (2009). Chronic Stress- and Sex-specific neuromorphological and functional changes in limbic structures. *Molecular Neurobiology*, 40, 166-182.  
DOI: 10.1007/s12035-009-8079-7

56. **Conrad, C.D.** (2010). A critical review of chronic stress effects on spatial learning and memory. Invited review at *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, 34, 742-755, special issue in the “Consequences of Stress.”  
DOI: 10.1016/j.pnpbp.2009.11.003

57. **Conrad, C.D.**, J. Bryce Ortiz §, & Judd, J.M. (2017). Chronic stress and hippocampal dendritic complexity: Methodological and functional considerations. *Physiology & Behavior*, 178, 66-81, special issue in honor of “Randall Sakai.”  
<http://dx.doi.org/10.1016/j.physbeh.2016.11.017>

## VITA – Cheryl D. Conrad

58. J. Bryce Ortiz § and **Conrad, C.D.** (2018) The impact from the aftermath of chronic stress on hippocampal morphology and function: Is there a recovery? *Frontiers in Neuroendocrinology*, 114-123.  
<https://doi.org/10.1016/j.yfrne.2018.02.005>

### **Book Chapters**

59. **Conrad, C.D.**, Wright, R.L., & McLaughlin, K.J. (2009). Stress and vulnerability to brain damage. *New Encyclopedia of Neuroscience*, Squire, L.R (Ed). Academic Press, Oxford, UK, Volume 9: 481-488.  
ISBN: 978-0-08-045046-9
60. **Conrad, C.D.**, & Bimonte-Nelson, H.A. (2010). Impact of the Hypothalamic-Pituitary-Adrenal / Gonadal Axes on Trajectory of Age-Related Cognitive Decline. *Progress in Brain Research*, Martini, L., Ed. Elsevier. New York, NY, Vol 182, pp. 31-76.  
DOI: 10.1016/S0079-6123(10)82002-3
61. **Conrad, C.D.** (2011). Chronic stress and hippocampus vulnerability to functional changes and health in the adult. *The Handbook of Stress: Neuropsychological Effects on the Brain*. Conrad, C.D., Ed., Wiley-Blackwell Publishers, New York, NY, pp. 324-348. ISBN: 978-1-4443-3023-6
62. Taylor, S.B.°, **Conrad, C.D.**, & Olive, M.F. (2015). Stress and spatial performance in the rat. Chapter 8, In *The Maze Book: Your Guidebook to Theories, Practice, and Protocols for Testing Rodent Cognition*, Bimonte-Nelson, H.A. (Ed), Humana Press, New York, NY, *Neuromethods*, Vol 94, pp. 211-258.  
ISBN 978-1493921584

### **Edited Books**

63. **Conrad, C.D.**, Ed., (2011) *The Handbook of Stress: Neuropsychological Effects on the Brain*, pp. 693. Wiley-Blackwell Publishers, New York, NY. Forward by Robert Sapolsky and reviews from Drs. James McGaugh and Mary Dallman. ISBN: 978-1-4443-3023-6

### **Under Review**

64. J. Bryce Ortiz §, Anglin, J.M., Daas, E.J., Paode, P.R., Nishimura, K.J., & **Conrad, C.D.** BDNF and TrkB mediate the improvement from chronic stress-induced spatial memory deficits and CA3 dendritic retraction.

### **Other Publications**

1. **Conrad, C.D.** (1985). Prize winning pastry crust. *Pride of America: First place recipes*. Ed. Hall Herman Promotions, Inc., Tallahassee, FL. 1, 72.

## VITA – Cheryl D. Conrad

*National/Int'l  
Abstracts within last  
five (5) years of (140  
combined total)*

2012

Ortiz, J.B. §, Hanna, J.J.\*, Baran, S.E. §, McLaughlin, K.J., Mika, A.\*, Anouti, D.P. \*§, Hamilton, G.F.\*, Campbell, A.N., & **Conrad, C.D.** (2012). Estrogen and cholesterol protect against corticosterone-induced hippocampal CA3 dendritic retraction in male and female gonadectomized rats. *10<sup>th</sup> Annual More Graduate Education at Mountain States Alliance (MGE@MSA)*, Arizona State University, Feb 12, 2012. Won 3<sup>rd</sup> place poster presentation.

Campbell, A.N., Ortiz, J.B. §, Anouti, D.P. \*§, Hoffman, A.N., Krigbaum, A., Mika, A.\*, Hanna, J.J.\*, Lucas, L.R., Taylor, S.B.<sup>o</sup> & **Conrad, C.D.** (2012). Effects of chronic unpredictable restraint stress and recovery on spatial memory and amygdalar GAD expression in male and female rats. *Society for Neuroscience Abstracts*, 38, 282.10.

Hoffman, A.N., Hanna, J.J.\*, Lorson, N.G., Mazur, G.J., Taylor, S.B.<sup>o</sup>, & **Conrad, C.D.** (2012). Effects of chronic stress on fear renewal. *Society for Neuroscience Abstracts*, 38, 107.02.

Ortiz, J.B. §, Hoffman, A.N., Campbell, A.N., Lorson, N.G., Terwilliger, E., & **Conrad, C.D.** (2012). Recovery of chronic stress-induced spatial memory deficits in adulthood is mediated by hippocampal BDNF. *Society for Neuroscience Abstracts*, 38, 282.11.

Taylor, S.B.<sup>o</sup>, Krigbaum, A.M.\*, Kufahl, P.R.<sup>o</sup>, Mika, A.\*, Nemirovsky, N.E., **Conrad, C.D.**, & Olive, M.F. (2012). Effects of chronic variable stress on learning strategy and the locomotor stimulating effects of methamphetamine. *Society for Neuroscience Abstracts*, 38, 282.09.

2013

Hoffman, A.H., Lorson, N.G., Hanna, J.J., Mazur, G.J., Taylor, S.B.<sup>o</sup>, Yahn, S.L., Sanabria, F., Olive, M.F. and **Conrad, C.D.** (2013). Chronic stress impacts nonassociative fear and alters amygdala-hippocampal functional network activation. *International Behavioral Neuroscience Society*, Ireland. \*\*Awarded third place for poster presentation.

Ortiz, J.B. §, Mathewson, C.M., Hoffman, A.N., Campbell, A.N., Lorson, N.G., and **Conrad, C.D.** (2013). Hippocampal BDNF mediates the recovery from chronic stress-induced spatial memory deficits in adult male rats. *International Behavioral Neuroscience Society*, Ireland. \*\*Awarded second place for poster presentation.

Hoffman, A.N., Parga, A., Lorson, N.G., Paode, P.R.\*, Watterson, L.R., Nikulina, E.M., Hammer Jr., R.P., and **Conrad, C.D.** (2013). Chronic stress-induced enhanced fear memories are resistant to reconsolidation in an animal model of post-traumatic stress disorder. *Society for Neuroscience Abstracts*, 39, 486.10.

## VITA – Cheryl D. Conrad

Ortiz, J.B. §, Mathewson, C.M., Hoffman, A.N., Hanavan, P.D., Lorson, N.G., Terwilliger, E. and Conrad, C.D. (2013). Downregulating hippocampal BDNF levels blocks recovery from chronic stress-induced spatial memory deficits in adult male rats. *Society for Neuroscience Abstracts*, 39, 176.15.

Taylor, S.B.°, Anglin, J.M., Paode, P.R.\*, Riggert, A.G., Tomek, S.E., Olive, M.F., and **Conrad, C.D.** (2013). Breaking bad habits: chronic stress, methamphetamine and the dorsolateral striatum. *Society for Neuroscience Abstracts*, 39, 820.04.

2014

Anglin, J.M., Riggert, A.G., Paode, P.R.\*, Tang, T.M., Olive, M.F., **Conrad, C.D.**, and Taylor, S.B.° (2014). Chronic stress-induced habits pave the road to addiction. *Carnegie Mellon Workshop for Undergraduate Women in Computer Science*. Pittsburgh, PA.

Paode, P.R.\*, Anglin, J.M., Riggert, A.G., Lapitan, F., Tang, T., **Conrad, C.D.** and Taylor, S.B.° (2014). Chronic stress-induced neuronal restructuring in the striatum may contribute to addiction vulnerability. *National Collegiate Research Conference (NCRC)*. Harvard University, Cambridge, MA.

Ortiz, J.B. §, Campbell, A.N., Hoffman, A.N., Taylor, S.B.°, Lucas, L.R. and Conrad, C.D. (2014). Effects of chronic unpredictable restraint stress and a post-stress recovery period on spatial learning in male and female rats. *International Behavioral Neuroscience Society*, Las Vegas, NV.

Ortiz, J.B. §, Taylor, S.B.°, Paode, P.R.\*, and **Conrad, C.D.** (2014). Rescuing inhibitory tone following chronic stress reverses stress-induced hippocampal-dependent deficits on object placement. *Society for Neuroscience Abstracts*, 40, 644.

Hoffman, A.N., Paode, P.R.\*, Kemmou, S., Ortiz, J.B. §, Thomas, T.C., Lifshitz, J. and Conrad, C.D. (2014). In the wake of diffuse traumatic brain injury, enduring dendritic hypertrophy within the basolateral amygdala. *Society for Neuroscience Abstracts*, 40, 421.

2015

Paode, P.R.\* Hoffman, A.N., Kemmou, S., Ortiz, J.B. §, Thomas, T.C., Lifshitz, J. and Conrad, C.D. (February 14, 2015). Persistent structural alterations in amygdala neurons after diffuse traumatic brain injury. Poster presented at the *American Association for the Advancement of Science (AAAS) Annual Meeting*, San Jose, CA.

Hoffman, A.N., Paode, P.R.\*, Ortiz, J.B. §, Kemmou, S., May, H., **Conrad, C.D.**, Lifshitz, J., and Thomas, T.C. (2015). Immediate and persistent dendritic hypertrophy in the basolateral amygdala following experimental diffuse traumatic brain injury. *National Neurotrauma Society*, Presented June 28-July 1, 2015 in Sante Fe, NM.

## VITA – Cheryl D. Conrad

- Overby, P., Daniels, C.W., Ortiz, J.B. §, Conrad, C.D., and Sanabria, F. (2015). Effects of dorsal-hippocampal lesion on the variable-interval performance of rats. Poster presented at the *Society for the Qualitative Analysis of Behavior (SQUAB)*, May 21-23, 2015 in San Antonio, TX.
- Ortiz, J.B. §, Daas, E.J. \*, Hoffman, A.N., Fonseca-Trujillo, E., Paode, P.R. \*, Kemmou, S., Maalouf, N.E., Terwilliger, E.F., and **Conrad, C.D.** (2015). Downregulating hippocampal BDNF expression blocks recovery from chronic stress-induced hippocampal CA3 dendritic retraction. Poster presented at the *Society for Neuroscience*, 41, 522. October 17-21, in Chicago, IL.
- Anglin, J.M., Ortiz, J.B., Paode, P.R. \*, Taylor, S.B. °, Maalouf, N.E., Kemmou, S., Nishimura, K., and **Conrad, C.D.** (2015) TrkB mediates the recovery from chronic stress-induced spatial memory deficits and CA3 dendritic retraction. Poster presented at the *Society for Neuroscience*, 41, 522. October 17-21, in Chicago, IL.
- Judd, J.M., Nishimura, K.J., Arnett, C.R., Sanabria, F. and **Conrad, C.D.** (2015). Fear conditioning using a two-tone discrimination paradigm: Potential use for chronic stress investigations. *Society for Neuroscience*, 41, 822. October 17-21, in Chicago, IL.
- Kachemov, M.M., Paode, P.R. \*, David, V.R., Tsantilas, K.A., Rosenow, M., Molinaro, J.C., Conrad, C.D., Pirrotte, P., and Orchinik, M. (2015). The proteomic profile of chronic stress and recovery in the hippocampus and amygdala. *Society for Neuroscience*, 41, 522. October 17-21, in Chicago, IL.
- Thomas, T.C., Rowe, R.K., Rumney, B.M., May, H.G., **Conrad, C.D.**, Adelson, P.D., Harman, S.M., Permana, P.A. and Lifshitz, J. (2015). Diffuse traumatic brain injury affects chronic corticosterone levels and alters neuron morphology in the paraventricular nucleus. *Society for Neuroscience*, 41, 686. October 17-21, in Chicago, IL.
- 2016 Judd, J.M., Nishimura, K.J., Ortiz, J.B. §, Paode, P.R. \*, Anglin, J.M., Kemmou, S. §, Le, B., Flegenheimer, A., and **Conrad, C.D.** (2016). ANA12 prevents hippocampal CA3 apical dendritic arbors from becoming more complex in the weeks after chronic stress ends. *The Society for Neuroscience*, 42, 340.17. November 12-16, 2016 in San Diego, CA.



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2017

- Nishimura, K.J., Koebele, S.V., Kemmou, S. §, Ortiz, J.B. §, Judd, J.M., Bimonte-Nelson, H.A., and Conrad, C.D. (2016). Long-term tonic estradiol improves, and cyclic estradiol impairs, spatial working memory in ovariectomized middle-aged female rats. *The Society for Neuroscience*, 42, 174.06. November 12-16, 2016 in San Diego, CA.
- Holter, M.C., Hewitt, L.T., Koebele, S.V., Judd, J.M., Wedwick, C., Bimonte-Nelson, H.A., Conrad, C.D., Neel, B.G., Araki, T., Snider, W.D., and Newbern, J.M. (2016). The Noonan- syndrome-linked *Raf1*<sup>L613V</sup> mutation drives increased glial number and alternations in learning. *The Society for Neuroscience*, 42, 32.2. November 12-16, 2016 in San Diego, CA.
- Ortiz, J.B. §, Daas, E.J., and Conrad, C.D. (2017). Hippocampal BDNF and TrkB involvement in the recovery from chronic stress-induced cognitive deficits and hippocampal CA3 dendritic retraction. Conference on “Stress: Past, Present and Future Directions” held at Princeton University, June 29-30, 2017.
- Judd, J.M., Shah, V., Flegenheimer, A., Le, B.Q., Sanabria, F., and Conrad, C.D. (2017). How do rest periods following the end of chronic stress impact fear conditioning? *The Society for Neuroscience*, 43, 417.03. November 11-15, 2017 in Washington, D.C.
- Nishimura, K.J., Ortiz, J.B. §, and Conrad, C.D. (2017). Antagonizing the GABAA receptor during behavioral testing improves spatial memory in chronically stressed rats. *The Society for Neuroscience*, 43, 323.03. November 11-15, 2017 in Washington, D.C.
- Ortiz, J.B. §, Daas, E.J., Flegenheimer, A., Le, B.Q., and Conrad, C.D. (2017). Hippocampal CA1 dendritic restructuring following chronic stress: Influence of a post-rest stress period and hippocampal CA3 BDNF downregulation. *The Society for Neuroscience*, 43, 320.17. November 11-15, 2017 in Washington, D.C.
- Stephens, M.J., Daniels, C.W., Ortiz, J.B., Romero, K., Overby, P.F., Conrad, C.D., and Sanabria, F. (2017). Deactivation of the dorsal hippocampus impairs acquisition more than maintenance of interval timing. Annual Meeting of the Society for the Quantitative Analysis of Behavior, Denver, CO.

## VITA – Cheryl D. Conrad

### INVITED COLLOQUIA *(within the last ten (12) years)*

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|------|---|
| 2005 | Sexual Dimorphisms in Spatial Memory Following Chronic Stress. Panelist at the Winter Conference on Brain Research, Breckenridge, CO  |
| 2005 | The Detrimental Effects of Chronic Stress on Hippocampal Morphology and Function: The Resilience of Females. Presented to the Department of Psychology, Washington State University, Pullman  |
| 2005 | The Detrimental Effects of Chronic Stress on Hippocampal Morphology and Function: The Resilience of Females. Presented to the Center for Neural Science, New York University, New York, NY  |
| 2005 | The Detrimental Effects of Chronic Stress on Hippocampal Morphology and Function: The Resilience of Females. Presented to the Laboratory of Neuroendocrinology, The Rockefeller University, New York, NY  |
| 2005 | The Detrimental Effects of Chronic Stress on Hippocampal Morphology and Function: The Resilience of Females. Presented to the Department of Psychology, Williams College, Williamstown, Massachusetts   |
| 2005 | The Detrimental Effects of Chronic Stress on Hippocampal Morphology and Function: The Resilience of Females. Presented to the Laboratory of Dr. Victoria Luine, Department of Psychology, Hunter College, New York, NY                                      |
| 2007 | Influence of Chronic Stress and Gender on the Prefrontal Cortex. Presented to the Institute of Mental Health Research (IMHR), Phoenix AZ  |
| 2008 | The Influence of Chronic Stress and Glucocorticoids on Spatial Memory. Invited as the senior speaker at the International Society for Psychoneuroendocrinology at Dresden, Germany (July 2008).   |
| 2009 | The effects of chronic stress and sex differences on cognitive outcomes: An Update. Presented to the Institute for Mental Health Research (IMHR), Phoenix, AZ   |
| 2009 | How chronic stress influences forebrain plasticity and function: Contribution of genetics, environment and signaling pathways. Invited as a colloquium speaker for the Neuroscience Program at the University of Illinois, Urbana-Champaign, IL (Sept 2009) |
| 2011 | Mapping the crossroads of estrogens, stress and memory: Stress influences on the brain and sex differences. Invited as a co-guest speaker with Dr. Heather Bimonte-Nelson. Presented to the ASU President's Community Enrichment Programs (March 2011).     |

## VITA – Cheryl D. Conrad

2012	Mentoring graduate students to be successful scholars. Invited speaker by the Dean of the Graduate College. Presented to the Department of Psychology, University of Texas at El Paso (October 2012).
2012	Best practices for mentors and mentees: leading to work-life balance. Invited speaker by the Dean of the Graduate College. Presented to the units within the College of Liberal Arts, University of Texas at El Paso (October 2012).
2013	Chronic Stress Influences on Memory: Consequences for Recovery, PTSD and Drug Abuse. Presented to the Neurobiology Division, Barrow Neurological Institute, Phoenix, AZ (May 7, 2013). Hosted by Andrej Romanovsky.
2014	Sex differences in spatial memory after chronic stress: Potential role of morphological changes in hippocampal neurons. Presented to the 47 <sup>th</sup> Winter Conference on Brain Research, Steamboat Springs, Colorado (January 28, 2014).
2014	Consequences of chronic stress on the brain and behavior: Mechanisms for resilience. Presented to the Departments of Psychology, Biology and Chemistry, University of Texas at El Paso, (October 2014).
2015	Consequences of chronic stress on the brain and behavior: Mechanisms for resilience. Presented to the Departments of Psychology and Biology, University of Indiana at Bloomington, (April 2015).
2016	Colloquium on “Altered discrimination and generalization in mood and anxiety disorders.” Organized by Mark Gluck (Rutgers) and Mike Yassa (UC Irvine). Presenters include myself (ASU), as well as Rene Hen (Columbia), Mike Yassa and Stephanie Lael (UC Irvine) and Mark Gluck and Mohammad Herzallah (Rutgers), Winter Conference on Learning and Memory, Park City Utah (January 2016).

## COURSEROOM TEACHING EXPERIENCE

### *Undergraduate Courses*

PSY 325	<u>Physiological Psychology</u> , Instructor, Arizona State Univ., Tempe AZ (teaching performance ranges from 1.17 to 1.81 on 5 pt scale, with 1 excellent and 5 poor)
PSY 498	<u>Behavioral Endocrinology</u> , Instructor, Arizona State Univ., Tempe AZ (recent teaching performance = 1.10)
PSY 194 (VIP)	<u>Behavioral Neuroscience in Stress Research I</u> , Instructor, Arizona State Univ., Tempe AZ (course targets honors sequence students as freshmen to engage students in research pertaining to behavioral neuroscience. Students are introduced to pre-clinical research practices).
PSY 294 (VIP)	<u>Behavioral Neuroscience in Stress Research II</u> , Instructor, Arizona State Univ., Tempe AZ (course targets honors sequence students as sophomores to continue their engagement in research pertaining to behavioral neuroscience. Students develop critical thinking skills and assist with pre-clinical research practices).

## VITA – Cheryl D. Conrad

### *Graduate Courses*

PSY 591	<u>Behavioral Neuroendocrinology</u> , Instructor, Arizona State Univ., Tempe AZ (recent teaching performance = 1.13 on 5 pt scale, with 1 excellent and 5 poor)
PSY 568/ BIO 568	<u>Stress and the Brain</u> , Instructor, Arizona State Univ., Tempe AZ (recent teaching performance = 1.25)
PSY 598	<u>Behavioral Neuroscience Seminar</u> , Instructor, Arizona State Univ., Tempe AZ (recent teaching performance = 1.00)

### *Topical Guest Lectures*

BIO 294, 394, 494	Title of Talk, “How I select a journal for an article and coordinate multiple coauthors.” Presented on Sept. 17, 2007 to <u>School of Life Sciences for Undergraduate Researchers (SOLUR)</u> , Instructor: Ronald Rutowski,
PSY 497	Title of Talk, “The Influence of Chronic Stress on the Brain and Behavior.” Presented every spring semester to <u>Psychology Honor’s Colloquium</u> , Instructors: Sanford Braver, Clark Presson, George Knight.
BIO 591	Title of Talk, “The Influence of Stress on Neural Function, with an emphasis on chronic stress.” Presented on Nov. 15, 2007 to class on <u>Neurobiology</u> , Instructor: William Tyler.
PSY 591	Title of Talk, “The Influence of Chronic Stress and Glucocorticoids on Spatial Memory.” Presented on Sept. 10, 2008 to <u>Behavioral Neuroscience Seminar</u> , Instructor: Federico Sanabria.
U of A Medical School	Title of Talk, “The Psychophysiology of Feeding.” Presented on Nov. 13, 2009 to the Medical Students in Downtown Phoenix Campus

### **SERVICE: International and National**

#### *Editorial Boards*

2008-2011	Review Editor, <u>Frontiers in Behavioral Neuroscience</u>
2012-present	Board Member of Section Editor, <u>Neuroscience</u> , Elsevier Publishers

#### *Advisory Board*

2007-2012	Member, McGraw Publishers Annual Editions; <u>Biopsychology</u>
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#### *Reviews of Books or Chapters*

1999	Allyn & Bacon: Carlson, <u>Physiology of Behavior</u> , Chapter 7, “Audition, the body senses, and the chemical senses”
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#### *Grant Reviews*

2000, 2001, 2007, 2012, 2013	Reviewer, <u>National Science Foundation</u>
2000	Reviewer, <u>Lawrence Livermore Nat’l Lab</u>
2002	External Reviewer, <u>US Department of State for the ISTC</u> (International Science and Technology Center, in Moscow)
2002	External Reviewer for <u>National Institute of Mental Health</u>
2004, 2006	Reviewer, <u>Binational Science Foundation</u>
2005, 2006,	External Reviewer, <u>Medical Res. Council National Institute of Health</u>
2005, 2006	External Reviewer for Internal Grant at <u>Indiana University</u>
2006	Ad Hoc Panel Member of the <u>National Institute of Health</u> scientific review group, MESH (Biobehavioral Mechanisms of Emotion, Stress and Health Study Section)

## VITA – Cheryl D. Conrad

2006	Ad Hoc Panel Member of the <u>National Institute of Health</u> special study section, MESH-F 02
2007(Feb)-2010	Panel Member of the <u>National Institute of Health (NIH)</u> review group for NRSA fellowships (F02a) for Behavioral Neuroscience.
Nov 13, 14, 2008, Mar 16, 17, 2009, Feb 8, 9, 2010	Chair and Panel Member, <u>National Institute of Health (NIH)</u> review group for NRSA fellowships (F02a) for Behavioral Neuroscience.
Oct 18, 2011	Panel Member, ZMHI ERB-L 01 S, <u>NIMH</u> Pathway to Independence (K99) Review
Feb 23, 2015	Panel Member, ZMHI ERB-L 03, <u>NIMH</u> Special Emphasis Panel, BRAINS
2017	Panel Member, National Science Foundation, Arlington, VA
2017, part 1 and 2	Panel Member, Cohens Veterans Bioscience, New York, NY
2018	Ad Hoc Panel Member of the he <u>National Institute of Health</u> special study section, ZRG1 BBBP-J 91

**Invited Reviewer for Journals** (I review approximately 30 manuscripts/yr and decline many others because of competing service commitments)

Notable Journals	Journal	Impact Factor (2015)
	Nature	38.138
	Archives of General Psychiatry	14.480
	Molecular Psychiatry	13.314
	Nature Communications	11.329
	Biological Psychiatry	11.212
	Proceedings of the National Academy of Sciences USA	9.423
	Neuropsychopharmacology	6.399
	Journal of Neuroscience	5.924

Remaining Journal List	Animal Behaviour	Ann Anatomy	Behav Brain Research
	Behavioral Neuroscience	Behavioural Processes	Behavioral Brain Funct
	Biochem Res Int'l	Brain and Cognition	Brain Research
	Brain Res Bulletin	Brain Sciences	Braz J Med Research
		British J Pharmacol	Cellular Molec Neurobiol
	Cognit Affect Behav Neuroscience	CNS Drugs	Eur J Neurosci
	Eur Neuropsychopharm	Exp Neurology	Exp Rev Endocrinol Metab
	Hippocampus	Hormones & Behavior	Int'l J Neuropsychopharm
	J Cell Biochemistry	J Neurobiology	J Neurochemistry
	J Neuroendocrinology	J Neuroscience Research	J Psychiat Res
	Learning & Memory	Learning & Motivation	Naunyn-Schmiedeberg's Archives Pharmacology
	Neurobiol. Aging	Neurobiol Learn Mem	Neurochem Res
	NeuroImaging	Neuropharmacology	Neuroscience
	Neurosci Biobehav Rev	Neuroscience Journal	Neurotoxicol Teratology
		NY Academy Sciences	Pharmacol Biochem Behav.
	Pharmaceutical Biology	Physiology & Behavior	PLoS ONE

## VITA – Cheryl D. Conrad

Prog Neuropsychopharm	Prog Neuro-Psychopharm. Biol Psychiatry	Psychoneuroendocrinology
Psychopharmacology	Stress	

### *Other Service*

2000	Reviewer for format of <u>Brain Res. Interactive</u>
2002, 2011, 2013, 2014	Outside reviewer for faculty promotion/tenure at various institutions
2005	Consultant for NY Academy Science Conference
2003-2005	Advisor for APA Diversity Program in Neuroscience
2011-2012	Invited participant in a workshop on “Increasing Women in Neuroscience,” sponsored by the Society for Neuroscience and NSF, Tucson, AZ for two days.

### *Professional Development*

2007	Invited Participant, Peer Review Workshop. Hosted by National Institute of Health, Bethesda, MD on September 20 <sup>th</sup> and the 21 <sup>st</sup>
2008	Participant, Leadership Project. Hosted by the Faculty Women’s Association at ASU and College of Liberal Arts and Sciences at ASU. Monthly meetings over the year
2010-current	Participant, Commission on the Status of Women. Participated in various workshops over the years, Arizona State University
2017	Participant, Research Integrity Officer Bootcamp, limited to Research Integrity Officers receiving funding from U.S. Public Health Service (PHS) Research funds, New Orleans, LA

### *National Organizational Committees*

2001	Member, local organizing committee for Soc. Behav. Neuroendocrinol., held in Scottsdale, AZ (June 2001) and headed by Dr. M. Moore of Biology, ASU.
2004	Member, local organizing committee for the Eighth International Symposium on Avian Endocrinology, headed by Pierre Deviche of Biology, ASU
2005	Co-organizer, Winter Brain Conference, Breckenridge, CO
2017	Master of Ceremonies, “Stress: Past, Present and Future Directions,” held at Princeton, NJ. Organized by Dr. Elizabeth Gould.
2018	Symposium Chair on “The end of chronic stress, or is it?” with speakers J. Bryce Ortiz, from University of Arizona, Cara Wellman from Indiana University, Jason Gray from The Rockefeller University, and Chiye Aoki from New York University. International Behavioral Neuroscience Society, June 27 to July 2, 2018 at Boca Raton Resort, Florida

### **SERVICE: University, College and Department**

#### *University and College*

1998-current	ASU Graduate College Rep. on Dissertation Committees: 1998 Mary Radcliffe, 1999 Jill Dohrmann, 2000 John Killooy, & 2002 Russell White, Robert Rennaker II
2000-2006	Member, Career Services Advisory Committee (CSAC)
2000-2005	Advisor, ASU Arizona Outing Club

## VITA – Cheryl D. Conrad

2001	Participant, “Future of Stress Research” and headed the group on discussion of “Past Accomplishments in Stress Research”
2001-2007	Member, Pre-health Professions Program (PHPP)
2003	Participant, Neuroscience Program Initiative with Carnegie Foundation
2005	Member, Animal Users Advisory Committee
2006-2009	Member, College of Liberal Arts & Sciences Student Affairs & Grievances Committee
2006-2009	Executive Committee Member & Program Steering Committee Member, Interdisciplinary Neuroscience Graduate Program
2007	Chair, Colloquium organizer for Talks by Dr. Huda Akil (March 13, 2007) and Dr. David Diamond (March 20, 2007)
2007-2009	Member of Advisory Committee, Minority Access to Research Careers (MARC)
2009-2013	Guest Speaker on the topic of “Now that You are In Charge” to Teaching Assistants (TA) for TA Orientation at the start of each semester.
2010	Invited Speaker on Research at ASU and within the Department of Psychology. Presented to ASU undergraduates in Hassyampa Dorm from the College of Liberal Arts and Sciences.
2010	Featured Speaker at the Undergraduate Research Symposium within the College of Liberal Arts and Sciences
2010	Invited Faculty Speaker for an “Evening with ASU” program, presented to the top 6% of Arizona High School Juniors (Nov. 3, 2010)
2010-2011	Member, Research and Creative Activities Committee and member of the subcommittee on Misconduct.
2014-2015	Co-chair, John Gardner Institute for “First Year Forward: Improvement Committee.” College of Liberal Arts and Sciences.
2015-current	Advisor, Graduate Women’s Association (for graduate students)
2016	Speaker and Introductions, Arizona Biosecurity Workshop, Arizona State University, Skysong

### ***Liaisons with Other Departments***

1998-current	Member, ASU Faculty Women’s Association
1999-2009	Member, Neuroendocrine Reading Group (NERG): affiliations with Biology, Exercise Science, and Arizona State University-West
2000-present	Affiliated Member of the Molecular and Cellular Biology Program (MCB) in the School of Life Sciences (SoLS), Arizona State University
2004-present	Affiliated Member of the Neuroscience and Physiology Program in the School of Life Sciences (SoLS), Arizona State University
2006-present	Member, Interdisciplinary Neuroscience Graduate Program in partnership with Barrow Neurological Institute (BNI).

### ***Departmental and Behavioral Neuroscience Area***

2001	Member, undergraduate candidate review for the ASU Ernest Lindholm Award
2003-2004	Member, Behavioral Neuroscience Search Committee
2003-2004, 2007-2008	Member, Faculty Evaluation Committee
2004, 2006-2009	Chair, Behavioral Neuroscience Program in the Psychology Department
2004	Member, Executive Committee, Department Psychology

## VITA – Cheryl D. Conrad

2004, 2006-2009	Member, Psychology Graduate Committee
2006-2008	Chair, Behavioral Neuroscience Graduate Admissions Committee
2007	Chair, Personnel Committee for 3 <sup>rd</sup> year Review of Behavioral Neuroscience, Assistant Professor, Heather Bimonte-Nelson
2007-2008	Chair, Behavioral Neuroscience Search Committee
2007-2009	Member, Planning and Action Committee (PAC) for Psychology
2008	Member, Personnel Committee for Tenure Review of Behavioral Neuroscience, Assistant Professor, Heather Bimonte-Nelson
2008-2009	Point of contact for renovation of the third floor of the Psychology Building for the Behavioral Neuroscience Area
2010	Member, Personnel Committee for Third-Year Review of Behavioral Neuroscience, Assistant Professor, Federico Sanabria
2011	Chair, Personnel Committee for the Tenure and Promotion of Behavioral Neuroscience, Assistant Professor, Foster Olive
2012, 2013, 2014,	Invited Participant, Topics on Animals in Research, discussed in class on ethics
2015, 2016	for Psychology Undergraduates (PSY 498), Instructor, Sara Pennak
2013	Member, Personnel Committee for the Tenure and Promotion of Behavioral Neuroscience, Assistant Professor, Federico Sanabria
2014	Member, Personnel Committee for the Promotion of Behavioral Neuroscience, Associate Professor, Heather Bimonte-Nelson
2014-2015	Member, Behavioral Neuroscience Faculty Search Committee
2017	Member, Personnel Committee for the Promotion of Behavioral Neuroscience, Associate Professor, M. Foster Olive.

### **SERVICE: *Community***

1995	Lecturer, Effects of Drugs on Memory presented to High School Teachers for the Science Outreach Program, The Rockefeller University, NY
1999	Lecturer, Arizona chapter of the Psychological Association (AZPA)
2001	Lecturer, Oasis Outreach Program for Enriching the Lives of Mature Adults, topic “Do Stress and Age Impair Memory?”
2002	Lecturer, Child Development Lab at ASU on laboratory rodents, Tempe, AZ
2003	Volunteer, Broadmor Elementary School, Tempe AZ
2003	Participant, Flinn Foundation for the Development & Collaboration of Neurosci.
2003-2004	Judge, ASU graduate student research symposium (GELS)
2003-2008	Member, PTSA at Broadmor Elementary School, Tempe, AZ
2004-2005	Member, Fund raising committee at Broadmor Elementary School, Tempe, AZ
2005	Judge for Sigma Xi, Intel International Science and Engineering Fair for High School students (held in Phoenix, AZ)
2006, 2008	Lecturer, Outreach Program on Brain Awareness. Presentation at Broadmor Elementary School
2006-2008, 2010- 2013	Participant in the Brain Fair Activities, including being a panel member in “Meet the Brain Scientist” for elementary school-aged children. Run by Heather Bimonte-Nelson at ASU and part of outreach with the Psychology Department for Homecoming and Night of the Open Door.
2011, 2012	Guest Speaker on the topic of “The steps towards an academic career in a University Setting” This was for a workshop on “Forward to Professorship.”



## VITA – Cheryl D. Conrad

	Hosted by the Central Arizona Chapter of the Association for Women in Science (AWIS).
2012	Science Fair Judge, 10 <sup>th</sup> Annual Arizona More Graduate Education at Mountain States Alliance (MGE@MSA)/Western Alliance to Expand Student Opportunities (WAESO). February 14, 2012
2013	Keynote Address, Psi Chi Induction Ceremony for Psychology Undergraduates, Arizona State University, Tempe AZ. April 18, 2013.
2013	Judge for the American Psychological Association (APA), Intel International Science and Engineering Fair for High School students representing over 160 countries (APA reviewed over 100 posters and interviewed 26 students, Phoenix. AZ)
2013, 2014, 2015	Participant, Night of the Open Door. Helping show real brains to the community at the Dept of Psychology Table.
2014	Discussed Brain Awareness to 3 <sup>rd</sup> , 4 <sup>th</sup> and 5 <sup>th</sup> graders at Steamboat Springs, Colorado on January 29, 2014 during my conference at WCBR.
2015	Presenter at a workshop series on stress. Title of talk, “Does Stress Make You Stupid?” Presented at the “Society for the Promotion of Applied Research in Canine Science (SPARCS)” on June 21, 2015.
2016	Media coverage on Stress and memory (4-14-16) <a href="https://asunow.asu.edu/20160413-discoveries-effects-chronic-stress">https://asunow.asu.edu/20160413-discoveries-effects-chronic-stress</a>
2016	Invited Speaker on topic of “Research Opportunities at ASU” to Transfer Students and their families on January 6, 2016, ASU.
2016	Invited Speaker on topic of “Research Opportunities at ASU” to Transfer Students and their families on August 12, 2016, ASU.
2016	Invited Speaker, Student Success Conference on October 14, 2016. Presented to advisors at Community Colleges, Title, “Finding Research Opportunities for Undergraduate Volunteers at Arizona State University.” Phoenix, AZ
2016	Invited Speaker on the topic of “Does Stress Make You Stupid.” Presented on October 17, 2016 to Pratt and Whitney in Connecticut to help employees learn methods to reduce stress
2017	Invited Speaker on the topic of “Does Stress Make You Stupid.” Presented on February 25, 2017 to community, hosted by Psi Chi and the Arizona Psychology Undergraduate Research Conference,
2017	Invited Speaker on the topic of “Research Opportunities at ASU” at the 9 <sup>th</sup> Annual Maricopa Community Colleges Academic Advisement Conference.

### MENTORSHIP AND SUPERVISORY ROLES. § Indicates under-represented student in science

#### *Chair of Graduate Student Dissertation (Ph.D.), year completed*

2001	1. <b>Sheila Fleming</b> , ASU, Psychology (Behavioral Neuroscience), co-mentor, Dr. Schallert, “Intervention Effects in a Progressive Degeneration Model of Parkinson’s Disease.” <u>Current Position</u> : Associate Professor, University of Cincinnati, Cincinnati, OH.
2007	2. <b>Ryan L. Wright</b> , ASU, Psychology (Behavioral Neuroscience), “Improving Cognitive Outcomes Following Chronic Stress.” Earned M.A. in 2003 and passed comprehensive exams in 2005.

## VITA – Cheryl D. Conrad

Awards: 2003, best poster presentation at the Graduate Earth, Life and Social Sciences, ASU;

Current Position: Medical Science Liaison, Eli Lilly & Co.

- 2007
3. **Katie J. McLaughlin**, ASU, Psychology (Behavioral Neuroscience), “The Relationship Between Stress and Ovarian Hormones on Hippocampal Morphology and Behavior: Understanding Acute and Chronic Actions of Estrogen Within a Chronic Stress Paradigm.” Earned M.A. in 2004 and passed comprehensive exams in 2004.  
Awards: 2003, Honorable Mention, National Science Foundation Graduate Research Fellowship; 2003, Graduate Travel Award, Taiwanese Neuroscience Symposium on Estrogen; 2007, National Scholars Honors Society.  
Current Position: Medical Liaison, Eli Lilly, Indianapolis, IN.
- 2008
4. **Saran E. Baran**, § ASU, Psychology (Behavioral Neuroscience), “Influence of Chronic Stress and Sex Differences on Forebrain Neuronal Morphology and Cognitive Function.” Earned M.A. in 2005 and passed comprehensive exams in 2006.  
Awards: 2002 and 2003, Honorable Mention, National Science Foundation Graduate Research Fellowship; 2003-2006, Minority Fellowship in Neuroscience, American Psychological Association; 2003 Summer Program in Neuroscience, Ethics & Survival (SPINES), Marine Biological Laboratories, Wood’s Hole, MA  
Current Position: Director of Clinical Neuroscience, Barrow Neurological Institute, Arizona.
- 2013
5. **Ann N. Hoffman**, ASU, Psychology (Behavioral Neuroscience). “Chronic stress and plasticity in the limbic system: Implications for PTSD.” Earned M.A. in 2010, passed comprehensive exams in 2011, and PhD defense in November 2013.  
Awards: 2008-2009, Research Excellence Award, Department of Psychology, ASU; 2012, Outstanding Achievement and Contribution Award for the Commission on the Status of Women, ASU; 2013, College of Liberal Arts and Sciences Research Fellowship for summer; 2013, Travel Award for the International Behavioral Neuroscience Society (IBNS) 2013 and third place for poster presentation at IBNS; 2013, Cialdini Award for the best Ph.D. prospectus in Psychology.  
Current Position: Postdoctoral fellow (NRSA awardee) with Michael Fanselow, UCLA

## VITA – Cheryl D. Conrad

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|-------------------|---|
| 2017              | <p>6. <b>J. Bryce Ortiz</b>, § ASU, Psychology (Behavioral Neuroscience). “Mechanisms of Recovery from Chronic Stress.” Earned M.A. in 2013, passed comprehensive exams in March 2015 and passed dissertation prospectus in December 2015 and passed PhD defense in November 2017.<br/> <u>Awards</u>: 2012, Third place poster presentation, More Graduate Education at Mountain State Alliances/Western Alliance to Expand Student Opportunities; 2012-2013, National Institute of Health Initiative to Maximize Student Development Trainee; 2013, second place poster presentation, International Behavioral Neuroscience Society, Ireland; 2013-2016, National Science Foundation Graduate Research Fellowship Program (GRFP); 2015, the Summer Program in Neuroscience, Ethics and Survival (SPINES), Woods Hole, MA.<br/> <u>Current Position</u>: Postdoctoral Associate with Dr. Rachel Rowe, University of Arizona, Phoenix</p> |
| Ongoing           | <p>7. <b>Jessica Judd</b>, ASU, Psychology (Behavioral Neuroscience).<br/> <u>Awards</u>: Research Enhancement Award, Department of Psychology, ASU, Earned M.S. on 1-17-18.</p>  |
| Started July 2017 | <p>8. <b>Dylan Peay</b>, § ASU, Psychology (Behavioral Neuroscience)</p>  |

### *Chair of Graduate Student Master’s Thesis (M.A.)*

- |           |   |
|-----------|---|
| 1998-1999 | <p>1. <b>Melissa L. Mauldin</b>, ASU, Psychology (Behavioral Neuroscience), Terminal M.A. entitled, “Chronic Stress Impairs Context Fear-Conditioning Provided Corticosterone is Suppressed During Training.” Years to degree = 1 ½.</p>        |
| 1999-2002 | <p>2. <b>Katherine E. Grote</b>, ASU, Psychology (Behavioral Neuroscience), Terminal M.A. entitled, “Female and Male Y-Maze Performance Following Chronic Stress.” Years to degree = 3 ½.</p>   |
| 2001-2003 | <p>3. <b>Ryan L. Wright</b>, ASU, Psychology (Behavioral Neuroscience), M.A. in passing entitled, “Chronically Stressed Male Rats Show Impaired Spatial Memory and Functional Cued Memory in the Y-Maze.” Years to degree = 2 ½.</p>            |
| 2001-2004 | <p>4. <b>Sarah E. Baran</b>, § ASU, Psychology (Behavioral Neuroscience), M.A. in passing entitled, “Chronically Stressed Ovariectomized Female Rats Show Intact Spatial Memory But Habituate Slowly to the Y-Maze.” Years to degree = 3 ½.</p> |
| 2002-2004 | <p>5. <b>Katie J. McLaughlin</b>, ASU, Psychology (Behavioral Neuroscience), M.A. in passing entitled, “Chronic Stress Enhances Memory in Ovariectomized Rats Despite Hippocampal Dendritic Atrophy.” Years to degree = 2.</p>                  |
| 2008-2010 | <p>6. <b>Ann N. Hoffman</b>, ASU, Psychology (Behavioral Neuroscience), M.A. in passing entitled, “Chronic stress, cyclic 17β-estradiol and daily handling influences on fear conditioning in the female rat.” Years to degree = 2.</p>         |

## VITA – Cheryl D. Conrad

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|-----------|--|
| 2011-2013 | 7. <b>J. Bryce Ortiz</b> , § ASU, Psychology (Behavioral Neuroscience), M.A. in passing entitled, “Hippocampal BDNF mediates recovery from chronic stress-induced spatial reference memory deficits.” Years to degree = 2 ½.   |
| 2014-2018 | 8. <b>Jessica Judd</b> , ASU, Psychology (Behavioral Neuroscience), M.A. in passing entitled, “Improved discrimination between tone and context during fear extinction in chronically stressed rats provided with a post-stress rest period.” Years to degree = 3 ½. |

### *Chair of Graduate Student Comprehensive exam (to advance to Ph.D. candidacy), year passed*

- |      |   |
|------|---|
| 1999 | 1. <b>Sheila Fleming</b> , ASU Psychology (Behavioral Neuroscience), co-mentor, Dr. Schallert, University of Texas, Austin. |
| 2005 | 2. <b>Ryan Wright</b> , ASU Psychology (Behavioral Neuroscience)  |
| 2005 | 3. <b>Katie McLaughlin</b> , ASU Psychology (Behavioral Neuroscience)   |
| 2006 | 4. <b>Sarah Baran</b> , § ASU Psychology (Behavioral Neuroscience)  |
| 2009 | 5. <b>Katie Coombs</b> , ASU Psychology (Behavioral Neuroscience)   |
| 2011 | 6. <b>Anne Hoffman</b> , ASU Psychology (Behavioral Neuroscience)   |
| 2015 | 7. <b>J. Bryce Ortiz</b> , § ASU Psychology (Behavioral Neuroscience)   |

### *Mentor of Postdoctoral Trainees*

- |             |   |
|-------------|---|
| 2012 - 2014 | 1. <b>Sara Taylor</b> , Co-mentored with Foster Olive.<br><u>Current position</u> , Assistant Professor at Hendrix College, Conway, AR. |
|-------------|---|

### *Mentor & Chair of Undergraduate Honor’s Thesis (B.A. or B.S.) Involvement in publications is noted*

- |           |   |
|-----------|---|
| 1998-1999 | 1. <b>Meghan Herron</b> , ASU, Biology. Honors Thesis: “The effects of acute stress duration on context discrimination.”  |
| 1999-2000 | 2. <b>Christina Julian</b> , ASU, Psychology, Behavioral Neuroscience. Honor’s Thesis: “Acute Stress Reduces Context Fear Discrimination in Rats.”  |
| 2000-2001 | 3. <b>Angelique Thomas-Ferayorni</b> , ASU, Psychology, Behavioral Neuroscience. Honor’s Thesis: “Significance of stress-induced atrophy of the CA3 hippocampal dendrites.”<br><u>Awards</u> : 2003, earned co-authorship with thesis contributing to published work in <i>Neurobiol. Learn. Mem.</i><br><u>Update</u> : Earned D.O. at Midwestern University, Phoenix.   |
| 2000-2002 | 4. <b>Lisa Wise</b> , ASU, Psychology, Behavioral Neuroscience. Honor’s Thesis: “Effects of chronic stress and ibotenic acid infusion on CA3 neurons: Sex matters!”<br><u>Awards</u> : 2001-2002, Undergraduate Research Award funded by the “Biology Research for the Enrichment of Undergraduates’ (BREU), funded in part by the Howard Hughes Medical Institute; 2002, Dariel Overby Award given to a Psychology Student who overcame obstacles; 2002, Thesis Earned High Honors in the Barrett Honors College; 2002, Finalist for outstanding honors thesis in Psychology; 2004, earned co-authorship with thesis contributing to published work in <i>Neuroscience</i> . |

## VITA – Cheryl D. Conrad

- 2000-2003
5. **Jamie Jackson**, ASU, Psychology, Behavioral Neuroscience. Honor's Thesis: "Effects of acute stress on spatial memory and ibotenic acid-induced hippocampal CA3 damage in rats."  
Awards: 2001-2002, Undergraduate Research Award funded by the "Biology Research for the Enrichment of Undergraduates" (BREU), funded in part by the Howard Hughes Medical Institute; 2002, Winner of the Ernest Lindholm Award given to an outstanding senior in Biopsychology; 2002, Thesis Earned High Honors in the Barrett Honors College; 2004, earned co-authorship with thesis contributing to published work in *Neuroscience*; 2004, earned co-authorship on paper published in *Pharmacol. Biochem. Behav.*  
Update: Earned Ph.D. In Clinical Psychology, Ohio State University.
- 2002-2004
6. **Lindsay Wieczorek**, ASU, Biology & Chemistry. Honor's Thesis: "The effects of acute and chronic stress and the estrous cycle on cognition in female rats."  
Awards: 2003-2004, Undergraduate Research Award funded by the "Biology Research for the Enrichment of Undergraduates" (BREU), funded in part by the Howard Hughes Medical Institute; 2004, Winner of Ernest Lindholm Award given to an outstanding senior in Biopsychology; 2004, earned co-authorship with thesis contributing to published work in *Pharmacol. Biochem. Behav.*; 2007, earned co-authorship from work published in *J. Neurosci.*; 2010, earned co-authorship from work published in *Hippocampus*.  
Update: Earned Ph.D. in Neuroscience, at Washington University, St Louis.
- 2002-2005
7. **Rudy Bellani §**, ASU, Psychology, Behavioral Neuroscience, & Biology (Dr. Luecken, co-mentor). Honor's Thesis: "Anxiety profile can predict spatial memory impairments following chronic stress and HPA axis characteristics."  
Awards: 2004-2005, Minority Access to Research Careers (MARC), funded by the National Institutes of Health; 2004, summer internship at the Stanford Summer Research Program (SSRP); 2004, Undergraduate Research Fellowship Program (SURF) at The Rockefeller University, NY; 2005, Winner of Ernest Lindholm Award given to an outstanding senior in Biopsychology. 2006, earned first-authorship from thesis leading to published work in *Behav. Brain Res*; 2006, earned co-authorship arising from summer work in the SURF program in *Endocrinology*.  
Update: Earned Ph.D. from The Rockefeller University, New York.

## VITA – Cheryl D. Conrad

- 2002-2005
8. **Jonathan Kleen**, ASU, Psychology Behavioral Neuroscience, & Biology (Dr. Killeen, co-mentor). Honor's Thesis: "Changes in operant behavior during and after chronic stress: A look at motivation, motor ability, and memory."  
Awards: 2004-2005, Undergraduate Research Award funded by the "Biology Research for the Enrichment of Undergraduates" (BREU), funded in part by the Howard Hughes Medical Institute; 2005, Winner of Dean's Circle Fellowship; 2005, Winner of the Ernest Lindholm Award given to an outstanding senior in Biopsychology; 2006, Earned first-authorship from thesis contributing to published work in *Behav. Neurosci.*; 2005, earned co-authorship on paper published in *NeuroReport*.  
Update: Earned Ph.D. in Neuroscience and M.D. at Dartmouth College, NH
- 2003-2005
9. **Cainan Foltz**, ASU, Psychology, Behavioral Neuroscience. Honor's Thesis: "What causes chronic stress-induced spatial memory deficits: Long term or short term corticosterone elevations?"  
Awards: 2004-2005, Undergraduate Research Award funded by the "Biology Research for the Enrichment of Undergraduates" (BREU), funded in part by the Howard Hughes Medical Institute; 2005, Winner of Phil Mickelson Award for Excellence in Psychology; 2005, Finalist for best honor's thesis in Psychology; 2005, earned co-authorship on paper published in *NeuroReport*; 2007, earned co-authorship with thesis contributing to published work in *J. Neurosci.*  
Update: Earned M.D. at Stanford University.
- 2003-2007
11. **Gillian Hamilton**, ASU, Psychology, Behavioral Neuroscience. Honor's Thesis: "Sexual dimorphism in how chronic corticosterone and estrogen treatment influence hippocampal function and morphology."  
Awards: 2005-2006, Awarded School of Life Sciences Undergraduate Research (SOLUR) fellowship; 2013, earned co-authorship with thesis contributing to published work in *Neuroscience*.  
Update: Earned Ph.D. at the University of Delaware.
- 2005-2006
10. **Tiffany Gearhart**, ASU, Psychology, Behavioral Neuroscience, (Dr. Luecken, co-mentor). Honor's Thesis: "The effect of rat dam stress during handling on rat pups' emotionality and hippocampal functioning in adulthood."  
Awards: 2005-2006, Winner of Dean's Circle Fellowship; 2005-2006, Awarded School of Life Sciences Undergraduate Research (SOLUR) fellowship; 2006, Winner of the Ernest Lindholm Award given to an outstanding senior in Biopsychology; 2006, Internship at the Intramural Research Training Award (IRTA) program at NIMH in Dr. Schmidt's laboratory, Endocrinology Branch.

## VITA – Cheryl D. Conrad

- 2006-2007 12. **Jessica Wilson**, ASU, Psychology, Behavioral Neuroscience. Honor's Thesis: "Influence of the estrous cycle and chronic stress on hippocampal morphology: Analysis of female CA3 hippocampal dendritic remodeling and CA1 hippocampal spines."  
Awards: 2007, Winner of Dean's Circle Fellowship; 2007, Awarded School of Life Sciences Undergraduate Research (SOLUR) fellowship; 2007, Winner of the Ernest Lindholm Award given to an outstanding senior in Biopsychology; 2010, earned co-authorship with thesis contributing to published work in *Hippocampus*.  
Update: M.D./Ph.D. program, University of Illinois, Chicago, Department of Neuroscience.
- 2006-2008 13. **Matthew Young**, § ASU, Psychology, Behavioral Neuroscience. Honor's Thesis: "Does chronic stress alter the influence of glucocorticoids on hippocampal-dependent cognition?"  
Awards: 2007-2008, Minority Access to Research Careers (MARC), funded by the National Institutes of Health; 2007, Winner of Dean's Circle Fellowship; 2007, Phil Mickelson Award for excellence in Psychology; 2008, Ernest Lindholm Award given to an outstanding senior in Biopsychology; 2008. Awarded "Best Honor's Thesis in Psychology," as evaluated by a team of external Professors who were brought from other institutions for their expertise.  
Update: Earned Ph.D. in Neuroscience from University of Pennsylvania.
- 2006-2009 14. **Mariam El-Ashmawy**, § ASU, Psychology, Behavioral Neuroscience. Honor's Thesis: "Environmental enrichment affects hippocampal BDNF expression during chronic stress."  
Awards: 2007-2009, Minority Access to Research Careers (MARC), funded by the National Institutes of Health; 2008, Winner of Dean's Circle Fellowship; 2008, awarded a summer internship at the University of California, San Francisco, funded by the Howard Hughes Program; 2012, earned co-authorship on paper published in *Behav. Neurosci*.  
Update: M.D./Ph.D. program, the University of Texas, Southwestern Medical Center in Dallas, Department of Neuroscience.
- 2008-2012 15. **Danya Anouti**, § ASU, Double Major in Global Studies & Biological Sciences with a concentration in Animal Physiology and Behavior. Honor's Thesis: "Functional activation patterns of forebrain structures and corticosterone levels: Are they experience-dependent following a prior exposure to restraint stress?"  
Awards: 2010-2012, Awarded School of Life Sciences Undergraduate Research (SOLUR) fellowship; 2010, Howard Hughes Medical Institute Exceptional Research Opportunities Internship at Johns Hopkins University, supervised by Dr. Richard Haganir; 2012, Fulbright Scholar, Internship at the University of Bristol; 2013, earned co-authorship with thesis contributing to published work in *Stress*; 2012, earned co-authorship on paper published in *Neurobiol. Learn. Mem*.  
Update: MD program at The George Washington University, School of Medicine and Health Sciences.

## VITA – Cheryl D. Conrad

- 2009-2012 16. **Agnieszka “Aggie” Mika**, ASU, Psychology, Behavioral Neuroscience. Honor’s Thesis: “Stress effects on behavioral inhibition and working memory.”  
Awards: 2009-2011, Awarded School of Life Sciences Undergraduate Research (SOLUR) fellowship; 2010, Winner of the John Reich Prize in Applied Social Psychology; 2012, Earned first-authorship from publication arising from honor’s thesis work in *Behav. Neurosci.*; 2011, earned co-authorship from work published in *Eur. J. Neurosci.*; 2012, earned co-authorship on paper published in *Neurobiol. Learn. Mem.*  
Update: Earned Ph.D. in Behavioral Neuroscience, University of Colorado, Boulder.
- 2012-2016 17. **Pooja Paode**, ASU, Biology. Honor’s Thesis, “Chronic stress and recovery-mediated progression of BDNF and PSD-95 in the hippocampus, amygdala and prefrontal cortex.”  
Awards: 2013-current, Awarded School of Life Sciences Undergraduate Research (SOLUR) fellowship; 2014, selected to present at the Harvard College Undergraduate Research Association conference; 2014, co-investigator of a Student Innovation Award from the School of Life Sciences with only one award given; 2014, earned co-authorship on paper published in *Neuroscience*; 2015, earned co-authorship on paper published in *Neurobiol. Learn. Mem.*
- 2013-2015 18. **Julia Anglin**, ASU, School of Mathematical and Statistical Sciences. TrkB mediates the recovery from chronic stress-induced spatial memory deficits and CA3 dendritic retraction.  
Awards: 2013, Circumnavigator Award, an international competition for undergraduate research projects; 2013, acceptance to present research at the Carnegie Mellon Workshop for Undergraduate Women in Computer Science; 2013, Barrett Honors College Travel Award, ASU; 2014, acceptance to present research at the American Association for the Advancement of Science; 2014, earned co-authorship on paper published in *Neuroscience*.
- 2013-2017 19. **Eshaan Daas**, Molecular Biosciences and Biotechnology. Honor’s Thesis, “Investigating the relationship between CA3 dendritic restructuring and CA1 dendritic complexity following chronic stress, BDNF downregulation, and a post-stress recovery period.”  
Award: 2014-2017, Awarded School of Life Sciences Undergraduate Research (SOLUR) fellowship.  
Update: 2017, MD program at the University of Arizona, Phoenix.
- 2015-2017 20. **Brittany Le**, Biochemistry, Honor’s Thesis, “Chronic stress effects on the functional activation of the medial prefrontal cortex (mPFC) following two short-term memory paradigms.”



## VITA – Cheryl D. Conrad

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|----------------|---|
| 2015-2017      | 21. <b>Flegenheimer, Aaron</b> , Biology, Honor’s Thesis, “Does an extended washout period of six weeks following the end of chronic stress continue the benefits on spatial learning and memory?”<br><u>Awards</u> : 2016-2017 CLAS Undergraduate Summer Enrichment (USE) Scholarship, 2016, School of Life Sciences Undergraduate Researcher recipient (SOLUR).<br><u>Update</u> : 2018, MD program at Tulane University, Louisiana |
| 2015-2018      | 22. <b>Vrishti Shah</b> , Biology and minor in Family and Human Development, Honor’s Thesis, “Does chronically administered intermittent restraint stress (IRS) have long-lasting effects on fear extinction and depressive-like behavior?”   |
| 2016-present   | 23. <b>Chris Willis</b> , Biochemistry  |
| 2017-present   | 24. <b>Elliot Smith</b> , Psychology and Biophysics   |
| 2017- present  | 25. <b>Gillian Thornton</b> , Psychology  |
| 2017 – present | 26. <b>Bryce Badaruddin</b> , Psychology  |
| 2017-present   | 27. <b>Cindy Yoo</b> , Biological Sciences  |

### ***Mentor of Undergraduate Researchers***

- |           |  |
|-----------|--|
| 1992-1994 | 1. <b>Danny Leone</b> University of Illinois, Urbana, Psychology   |
| 1995-1996 | 2. <b>Leila C. Thanasoulius</b> Barnard College, Biology<br><u>Awards</u> : 1997, Earned co-authorship on paper published in <i>Brain Research</i> .   |
| 1998-2002 | 3. <b>Rebecca Hobbs</b> ASU, Psychology (Behavioral Neuroscience)<br><u>Awards</u> : 2001, Earned co-authorship on paper published in <i>Stress</i> ; 2003, Earned co-authorship on paper published in <i>Neurobiol. Learn. Mem.</i>   |
| 1999-1999 | 4. <b>Christopher Ceranski</b> ASU, Psychology (Behavioral Neuroscience)   |
| 1999-2000 | 5. <b>Barbara Lyon</b> ASU, Psychology (Behavioral Neuroscience)   |
| 1999-2000 | 6. <b>Jamie Plishka</b> ASU, Psychology (Behavioral Neuroscience)  |
| 2000-2001 | 7. <b>George Gifford</b> ASU, Psychology (Behavioral Neuroscience)   |
| 2000-2001 | 8. <b>Lynn Leibe</b> ASU, Psychology (Behavioral Neuroscience)   |
| 2000-2001 | 9. <b>Donald MacMillan</b> ASU, Psychology (Behavioral Neuroscience)<br><u>Awards</u> : 2004, Earned co-authorship on paper published in <i>Neurobiol. Learn. Mem.</i>   |
| 2001-2004 | 10. <b>Sergey Tsekhanov</b> ASU, Psychology (Behavioral Neuroscience)<br><u>Awards</u> : 2002-2004, Undergraduate Research Award funded by the “Biology Research for the Enrichment of Undergraduates’ (BREU), funded in part by the Howard Hughes Medical Institute; 2004, Earned co-authorship on paper published in <i>Neurobiol. Learn. Mem.</i><br><u>Update</u> : D.O. program, Touro University in Nevada |
| 2001-2001 | 11. <b>Derrick Burnett</b> ASU, Psychology (Behavioral Neuroscience)   |
| 2002-2003 | 12. <b>Kristel Zachow</b> ASU, Psychology (Behavioral Neuroscience)  |
| 2002-2003 | 13. <b>Beth Gleason</b> ASU, Psychology (Behavioral Neuroscience)  |

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| 2002-2003 | 14. <b>Scott Seganti</b> ASU, Psychology (Behavioral Neuroscience)<br><u>Awards:</u> 2002-2003, Undergraduate Research Award funded by the “Biology Research for the Enrichment of Undergraduates’ (BREU), funded in part by the Howard Hughes Medical Institute.   |
| 2002-2004 | 15. <b>Elizabeth Lightner</b> ASU, Psychology (Behav. Neuroscience) & Biology<br><u>Awards:</u> 2003-2004, Undergraduate Research Award funded by the “Biology Research for the Enrichment of Undergraduates’ (BREU), funded in part by the Howard Hughes Medical Institute; 2006, earned co-authorship from work published in <i>Eur. J. Neurosci.</i> ; 2007, earned co-authorship from work published in <i>J. Neurosci.</i><br><u>Update:</u> M.D., University of Arizona, Tuscon   |
| 2003-2003 | 16. <b>Rajeeyah Muhammad §</b> ASU, Psychology (Behavioral Neuroscience)  |
| 2004-2004 | 17. <b>Angela Mitchell</b> ASU, Psychology (Behavioral Neuroscience)  |
| 2003-2004 | 18. <b>Joseph Nguyen</b> ASU, Psychology (Behavioral Neuroscience)<br><u>Awards:</u> 2003-2004, Undergraduate Research Award funded by the “Biology Research for the Enrichment of Undergraduates’ (BREU), funded in part by the Howard Hughes Medical Institute  |
| 2003-2004 | 19. <b>Meghan Ellis</b> ASU, Psychology (Behavioral Neuroscience)   |
| 2002-2006 | 20. <b>James Harman</b> ASU, Psychology (Behavioral Neuroscience)<br><u>Awards:</u> 2004-2005, Undergraduate Research Award funded by the “Biology Research for the Enrichment of Undergraduates’ (BREU), funded in part by the Howard Hughes Medical Institute; 2005, Dariel Overby Award given to a Psychology Student who overcame obstacles; 2004, Earned co-authorship on paper published in <i>Pharmacol. Biochem. Behav.</i> ; 2006, earned co-authorship from work published in <i>Eur. J. Neurosci.</i> ; 2007, earned co-authorship from work published in <i>J. Neurosci.</i> ; 2010, earned co-authorship from work published in <i>Hippocampus.</i><br><u>Update:</u> D.O. program, West Virginia School of Osteopathic Medicine |
| 2003-2006 | 21. <b>Juan Gomez §</b> ASU, Psychology (Behavioral Neuroscience)<br><u>Awards:</u> 2004-2006, Minority Access to Research Careers (MARC), funded by the National Institutes of Health; 2005, Summer Internship at The University of Chicago; 2005, Summer Internship at the Stanford Summer Research Program (SSRP); 2007, earned co-authorship on work in <i>Brain Res.</i> ; 2010, earned co-authorship from work published in <i>Hippocampus.</i><br><u>Update:</u> Earned Ph.D. from City University, New York (CUNY) at Hunter College, New York  |
| 2005-2006 | 22. <b>Shelli Dubbs</b> ASU, Psychology (Behavioral Neuroscience)   |
| 2004-2007 | 23. <b>Roda Hoja</b> ASU, Bioengineering  |
| 2005-2007 | 24. <b>James Slinkey §</b> ASU, Psychology (Behavioral Neuroscience)<br><u>Awards:</u> 2005-2007, Minority Access to Research Careers (MARC), funded by the National Institutes of Health.  |
| 2006-2006 | 25. <b>David Skinner</b> ASU, Psychology (Behavioral Neuroscience)  |
| 2006-2006 | 26. <b>Bo “Anne” Liu</b> ASU, Biological Sciences   |
| 2006-2007 | 27. <b>Janni Jocelyn</b> ASU, Psychology (Behavioral Neuroscience)  |
| 2006-2007 | 28. <b>Thomas Paine</b> ASU, Psychology (Behavioral Neuroscience)   |
| 2006-2008 | 29. <b>Michelle Sparks</b> ASU, Microbiology  |

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- Awards: 2007-2008, School of Life Sciences Undergraduate Research (SOLUR) award; 2012, earned co-authorship on paper published in *Behav. Neurosci.*
- 2007 30. **Sabrina Clugston-Herron** ASU, Psychology (Behavioral Neuroscience)
- 2007 31. **Dawn St. John** ASU, Psychology (Behavioral Neuroscience)
- 2007-2008 32. **Danielle Niren** ASU, Biochemistry
- Awards: 2007-2008, School of Life Sciences Undergraduate Research (SOLUR) award; 2009, earned co-authorship from work published in *Neurobiol. Learn. Mem.*; 2010, earned co-authorship from work published in *Learn. Mem.*
- Update: Dentistry program at the University of California, San Francisco
- 2007-2012 33. **Jeffery Hanna** ASU, Bio. Sci. (Genetics, Cell. & Dev. Biol.)
- Awards: 2008, 2010, School of Life Sciences Undergraduate Research (SOLUR) award; 2009, earned co-authorship from work published in *Neurobiol. Learn. Mem.*; 2010, earned co-authorship from work published in *Neurobiol. Learn. Mem.*; 2011, earned co-authorship from work published in *Behav. Brain Res.*
- 2007-2009 34. **Charles Armstrong** ASU, Biology
- Awards: 2008-2009, School of Life Sciences Undergraduate Research (SOLUR) award; 2009, Winner of the College of Liberal Arts and Sciences Student Transfer Award; 2009, earned co-authorship from work published in *Neurobiol. Learn. Mem.*; 2010, earned co-authorship from work published in *Learn. Mem.*; 2010, earned co-authorship from work published in *Neurobiol. Learn. Mem.*; 2010, earned co-authorship from work published in *Hippocampus.*
- Update: Earned D.O. at Midwestern University
- 2008 35. **Sarah Rubinstein** Scripts College, Summer Internship
- 2008-2009 36. **Krystal Dorathy** ASU, Biology (Biology & Society)
- 2008-2009 37. **Renee Dille** ASU, Bio. Sci. (Genetics, Cell. & Dev. Biol.)
- 2008-2009 38. **Collin B. Nelson** ASU, Psychology (Behavioral Neuroscience) & French
- 2008-2009 39. **Alexandra Schilling** ASU, Microbiology
- Awards: 2008-2009, School of Life Sciences Undergraduate Research (SOLUR) award.
- 2009-2009 40. **Anthony Tran** ASU, Psychology
- 2009-2010 41. **Noah Briggs** ASU, Psychology
- 2009-2010 41. **Milica Miocevic** ASU, Psychology, Minor in Biology
- Awards: 2009-2010, School of Life Sciences Undergraduate Research (SOLUR) award
- Update: Ph.D. student in Quantitative Program, Department of Psychology, ASU
- 2009-2011 42. **John “Bryce” Ortiz §** ASU, Psychology
- Awards: 2011, earned co-authorship from work published in *Eur. J. Neurosci.*; 2012, earned co-authorship on paper published in *Neurobiol. Learn. Mem.* (graduate awards are listed under graduate student section)
- Update: PhD candidate in Dept Psychology, ASU
- 2009-2011 43. **Natalie Conboy** ASU, Psychology, Minor in Sociology
- 2009-2012 44. **Amanda Krigbaum** ASU, Animal Physiology & Behavior
- Awards: 2010-2012, School of Life Sciences Undergraduate Research (SOLUR) award; 2011, earned co-authorship from work published in *Eur. J. Neurosci.*; 2011, earned co-authorship from work published in *Behav. Brain Res*

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2010-2012	45. <b>Alyssa Campbell</b>	ASU, Psychology <u>Awards:</u> 2011-2012, School of Life Sciences Undergraduate Research (SOLUR) award; 2013, earned co-authorship on paper published in <i>Neuroscience</i> ; 2015, earned co-authorship on paper published in <i>Behav. Brain Res.</i>
2011-2011	46. <b>Sarah Farrokh</b>	ASU, Biology and Society
2011-2014	47. <b>Nickolaus Lorson</b>	ASU, Psychology <u>Awards:</u> 2014, earned co-authorship on paper published in <i>Neurobiol. Learn. Mem.</i>
2012-2012	48. <b>Rachel Stec</b>	ASU, Psychology
2012-2013	49. <b>Coy Mathewson</b>	ASU, Psychology <u>Awards:</u> 2014, earned co-authorship on paper published in <i>Eur. J. Neurosci.</i>
2012-2013	51. <b>Lin E. Wang</b>	ASU, Biological Sciences
2012-2014	52. <b>Tiffany Tang</b>	ASU, Biochemistry and Minor in Psychology
2012-2013	53. <b>Juliana Park</b>	Dartmouth College, Psychology (over winter quarter)
2013	54. <b>Erin Blake</b>	ASU, Psychology
2013-2014	55. <b>Lyndsie Hinkel</b>	ASU, Biological Sciences
2013-2014	56. <b>Francheska Lapitan</b>	ASU, Genetics and Cell Development, Biological Sci.
2013-2014	57. <b>Roberto Reynoso §</b>	ASU, Biological Sciences, 2014, Awarded the Jonathan Wade Psoras Award in Biological Sciences
2014	58. <b>Paniz Jasbi</b>	ASU, Biological Sciences
2014-2015	59. <b>Logan Bingham</b>	ASU, Kinesiology
2014-2015	60. <b>Salma Kemmou §</b>	ASU, Psychology <u>Update:</u> M.A. Program in Global Affairs and Management, ASU
2014-2015	61. <b>Nicholas Maalouf</b>	ASU, Microbiology, with Psychology minor
2014-2016	62. <b>Kenji Nishimura §</b>	ASU, Psychology <u>Update:</u> Earned first authorship for <i>Neurobiol. Learn. Mem.</i> , (2017), 145, p. 114 Working on PhD at the University of Texas, Austin
2015	63. <b>Ciera Arnett</b>	ASU, Psychology
2015-2016	64. <b>Eric Bury</b>	ASU, Global Health and Spanish
2016-2017	65. <b>Iva Vracar</b>	ASU, Psychology
2016-present	66. <b>Elizabeth Hanson</b>	ASU, Psychology
2016-2017	23. <b>Logan Morgan,</b>	ASI, Human Nutrition, College of Health Solutions
2017-present	67. <b>Michael Saribekyan</b>	ASU, Psychology
2017	68. <b>Brianna Bishop</b>	ASU, Psychology
2017-present	69. <b>Sierra Hudson</b>	ASU, Psychology

### ***Mentor of High School Students***

2017	1. <b>Gillian Thornton,</b>	Basis High School, Scottsdale High school thesis entitled, “ The PTSDetails: Brain Plasticity and Chronic Stress”
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### *Mentor of Non-Degree Students (B.A./B.S. graduates seeking additional experience)*

1998-1999	1. <b>Roxanne Ezell</b>	Mesa Comm. College	Non-Degree
2000-2001	2. <b>Jacques McKissick §</b>	ASU	Non-Degree
2007-2010	3. <b>Huynh, Thu</b>	ASU	Non-Degree
	<u>Award:</u> 2011, Earned first authorship on paper published in <i>Behav. Brain Res.</i> ; 2012, earned co-authorship on paper published in <i>Behav. Neurosci.</i>		
	<u>Update:</u> earned PhD from Center for Neural Science, New York University, NY		
2012-2014	4. <b>Andrew Riggert</b>	ASU	Non-Degree
	2014, earned co-authorship on paper published in <i>Neuroscience</i> .		
2013-2014	5. <b>Emmanuel Fonseca §</b>	ASU	Non-Degree
2016- 2017	6. <b>Diego Padilla-Garcia §</b>	ASU	Non-Degree

### *Member (non-chair) of Graduate Student Ph.D. Committee*

1998-1999	1. <b>David A. Baker</b>	ASU, Psychology (Behavioral Neuroscience)
1998-2000	2. <b>Rita Fuchs</b>	ASU, Psychology (Behavioral Neuroscience)
2001-2003	3. <b>Heather Burke</b>	ASU, Psychology (Clinical)
2001-2004	4. <b>Andrea Alleweireldt</b>	ASU, Psychology (Behavioral Neuroscience)
1998-2005	5. <b>Paul Gasser</b>	ASU, Biology
2002-2005	6. <b>Melanie Paquette</b>	ASU, Psychology (Behavioral Neuroscience)
2005-2007	7. <b>Katrina Sokol</b>	ASU, Psychology (Developmental)
2005-2011	8. <b>Elizabeth Ciskar</b>	ASU, Biology
2005-2009	9. <b>Irene Avila §</b>	ASU, Psychology (Behavioral Neuroscience)
2005-2011	10. <b>Stephanie Williams</b>	ASU, Bioengineering
2005-2009	11. <b>Jazmin Acosta §</b>	ASU, Psychology (Behavioral Neuroscience)
2007-2009	12. <b>Ryan Meyers</b>	ASU, Psychology (Behavioral Neuroscience)
2007-2009	13. <b>Robert Bina</b>	ASU, Biology
2008-2009	14. <b>Junshi “Jay” Wang</b>	ASU, Neuroscience Program
2008-2009	15. <b>Benjamin Katchman</b>	ASU, Biology
2008-2010	16. <b>Kenneth Thiel</b>	ASU, Psychology (Behavioral Neuroscience)
2009-2011	17. <b>Joshua Talboom</b>	ASU, Psychology (Behavioral Neuroscience)
2009-2015	18. <b>Jeremiah Molinaro</b>	ASU, Neuroscience program
2011-2012	19. <b>Brittany Braden</b>	ASU, Psychology (Behavioral Neuroscience)
2011-2013	20. <b>Amanda Maple</b>	ASU, Psychology (Behavioral Neuroscience)
2012-2013	21. <b>Lara Pockros</b>	ASU, Psychology (Behavioral Neuroscience)
2012	22. <b>Juan Gomez</b>	ASU, Psychology, Hunter College, SUNY NY
2013	23. <b>Bryan Camp</b>	ASU, Psychology (Behavioral Neuroscience)
2013-2015	24. <b>Natalie Cole-Peartree</b>	ASU, Psychology (Behavioral Neuroscience)
2014-present	25. <b>Alesia Prakapenka</b>	ASU, Interdisciplinary Neuroscience Program
2014-2017	26. <b>Abigal Finkelstein</b>	ASU, SOLS (Animal Behavior)
2015-2016	27. <b>Megan Duell</b>	ASU, SOLS (Animal Behavior)
2017-present	28. <b>Stephanie Koebele</b>	ASU, Psychology (Behavioral Neuroscience)

### *Member (non-chair) of Graduate Student Thesis (M.A. or M.S.) Committee*

2002	1. <b>Irene Avila §</b>	ASU, Psychology (Behavioral Neuroscience)
2004	2. <b>Jazmin Acosta §</b>	ASU, Psychology (Behavioral Neuroscience)
2005	3. <b>Ryan Meyers</b>	ASU, Psychology (Behavioral Neuroscience)
2006	4. <b>Steve Austin</b>	ASU, Psychology (Behavioral Neuroscience)

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2007	5. <b>Joshua Talboom</b>	ASU, Psychology (Behavioral Neuroscience)
2008	6. <b>Erin Dickey</b>	ASU, Psychology (Behavioral Neuroscience)
2009	7. <b>Elizabeth Engler-Chiurazzi</b>	ASU, Psychology (Behavioral Neuroscience)
2009	8. <b>Devina Bajaj</b>	ASU, Psychology (Behavioral Neuroscience)
2010	9. <b>Lara Pockros</b>	ASU, Psychology (Behavioral Neuroscience)
2011	10. <b>Bryan Camp</b>	ASU, Psychology (Behavioral Neuroscience)
2013	11. <b>Candace Lewis</b>	ASU, Psychology (Behavioral Neuroscience)
2015	12. <b>Stephanie Koebele</b>	ASU, Psychology (Behavioral Neuroscience)
Current	13. <b>Mark Namba</b>	ASU, Psychology (Behavioral Neuroscience)

### *Member (non-chair) of Graduate Student Comprehensive Committee (to advance to Ph.D. candidacy)*

2003	1. <b>Andrea Alleweireldt</b>	ASU, Psychology (Behavioral Neuroscience)
2005	2. <b>Irene Avila §</b>	ASU, Psychology (BN) (I substituted for one faculty)
2005	3. <b>Arturo Zavala §</b>	ASU, Psychology (Behavioral Neuroscience)
2005	4. <b>Jazmin Acosta §</b>	ASU, Psychology (Behavioral Neuroscience)
2007	5. <b>Ryan Meyers</b>	ASU, Psychology (Behavioral Neuroscience)
2007	6. <b>Kenny Thiel</b>	ASU, Psychology (Behavioral Neuroscience)
2008	7. <b>Elizabeth Ciskar</b>	ASU, Biology
2008	8. <b>Stephanie Williams</b>	ASU, Bioengineering
2009	9. <b>Uriah Anderson</b>	ASU, Psychology (Social)
2009	10. <b>Rebecca E. Wershba</b>	ASU, Psychology (Clinical)
2010	11. <b>Amanda Maple</b>	ASU, Psychology (Behavioral Neuroscience)
2010	12. <b>Stephanie Williams</b>	ASU, Bioengineering
2011	13. <b>Elizabeth Engler-Chiurazzi</b>	ASU, Psychology (Behavioral Neuroscience)
2012	14. <b>Natalie Cole-Peartree §</b>	ASU, Psychology (Behavioral Neuroscience)
2012	15. <b>Jeremiah Molinero</b>	ASU, Neuroscience program
2013	16. <b>Bryan Camp</b>	Psychology (Behavioral Neuroscience)
2013	17. <b>Lucas Watterson</b>	ASU, Psychology (Behavioral Neuroscience)
2014	18. <b>Candace Lewis</b>	ASU, Psychology (Behavioral Neuroscience)
2015	19. <b>Megan Duell</b>	ASU, Animal Behavior (School of Life Sciences)
2016	20. <b>Alesia Prakapenka</b>	ASU, Neuroscience Program
2018	21. <b>Samantha Ridgway</b>	ASU, Neuroscience Program

### *Member (non-chair) of Honor's Student Thesis Committee*

2004	1. <b>Colenso Spear</b>	ASU, Psychology (Behavioral Neuroscience)
2008	2. <b>Michael Lacagnina</b>	ASU, Psychology (Behavioral Neuroscience)
2009	3. <b>Jentry Yard</b>	ASU, Biology
2009	4. <b>Sarah Swinford</b>	ASU, Psychology (Behavioral Neuroscience)
2010	5. <b>Madeline Andrews</b>	ASU, Psychology (Behavioral Neuroscience)
2011	6. <b>Sean Barton</b>	ASU, Psychology (Miles Orchinik, Mentor)
2011	7. <b>Corey Casterline</b>	ASU, Biology (Foster Olive, Mentor)
2012	8. <b>Julia Gerson</b>	ASU, Psychology (Heather Bimonte-Nelson, Mentor)
2016	9. <b>Piper Boyll</b>	ASU, School of Life Sciences (Miles Orchinik, Mentor)
2016	10. <b>Marketta Kachemov</b>	ASU, School of Life Sciences (Miles Orchinik, Mentor)

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2016	11. <b>Claire Berns-Leone</b>	ASU, Psychology (Behavioral Neuroscience, Heather Bimonte-Nelson, Mentor)
2017	12. <b>Rachel Gilchrist</b>	ASU, Psychology (Behavioral Neuroscience, Clive Wynne, Mentor)