

Brian C. Trainor
Department of Psychology
University of California at Davis
Davis, CA 95616
Citizenship: U.S.A.

Education and Post-doctoral Training

2004-2007 Ohio State University. Department of Psychology. Post-doctoral Fellow
2003-2004 Harvard University. Bauer Center for Genomics Research. Post-doctoral Researcher
1998-2003 University of Wisconsin at Madison. Ph.D. Psychology
1996-1998 University of Nebraska at Lincoln. M.S. Biology
1992-1996 University of Texas at Austin, B.S. Biology

Professional Positions

2016-present Professor, Department of Psychology, University of California, Davis
2011-2016 Associate Professor, Department of Psychology, University of California, Davis
2007-2011 Assistant Professor, Department of Psychology, University of California, Davis
2004-2007 Post-doctoral Fellow with Dr. Randy Nelson, Ohio State University
2003-2004 Post-doctoral Researcher with Dr. Hans Hofmann, Harvard University
1998-2003 Pre-doctoral Fellow with Dr. Catherine Marler, University of Wisconsin Madison
1996-1998 Research Assistant with Dr. Alexandra Basolo, University of Nebraska Lincoln

Affiliations

2011-present Affiliate, UC Davis Center for Neuroscience
2008-present Member, Neuroscience Graduate Group
2008-present Member, Animal Behavior Graduate Group
2008-present Member, Human Development Graduate Group

Awards and Honors

2021 Member, American College of Neuropsychopharmacology
2010 Frank Beach Young Investigator Award in Behavioral Neuroendocrinology
2009 UC Davis Hellman Fellow
2006 NIH Kirschstein National Research Service Award, Individual Postdoctoral Fellowship: "Estrogen receptors, photoperiod, and aggression"
2004 Bursary for the Symposium on Molecular Mechanisms Influencing Aggressive Behaviours
2003 Young Investigator Symposium at the Workshop on Steroid Hormones and Brain Function
2002 Best Student Paper for Division of Animal Behavior in the Society for Integrative and Comparative Biology (SICB)
2002 UW Graduate School Vilas Travel Award
2001 NIH Kirschstein National Research Service Award, Individual Predoctoral Fellowship "Aromatase regulation of paternal behavior and aggression"
2001 SICB Grant-in-Aid: The effects of testosterone and aromatase on aggression across multiple Encounters
2000 UW Department of Psychology Menzies Research Award
1999 Sigma Xi Grant-in-Aid: The steroid control of paternal care.
1996 Sigma Xi Grant-in-Aid: The importance of different components of the male sword in female choice (*Xiphophorus helleri*).

Professional Service

Editorial and Reviewing Activities

2022	Ad-Hoc member, F02A (NRSA fellowships)
2021	Reviewer, UK Medical Research Council & Polish National Science Centre
2021	National Science Foundation, Panel Member
2020	Ad-Hoc member, F02A (NRSA fellowships, Feb.), BBBP-Y (July)
2019	Ad-Hoc member, BDCN-E Conflict Study Section
2019	Ad-Hoc member, F02A (NRSA fellowships, June, October)
2018	Ad-Hoc member, F02A (NRSA fellowships, March and June)
2017	Ad-Hoc member, NMB (October)
2016	Ad-Hoc member, NIMH Fellowship Review Panel (Feb.), NMB (June)
2015	Ad-Hoc member, NIH IFCN-Z and NMB (June and Oct.) Panels
2014	Ad-Hoc member, F02A (NRSA fellowships)
2013	NIH Special Emphasis Panel (ZMH1 ERB-L-02, K awards)
2012	NIH Special Emphasis Panel (ZMH1 ERB-L-07, R21 and R01 Supplements)
2018-present	<i>Stress</i> Editorial Board Member
2011-present	<i>Hormones and Behavior</i> Editorial Board Member

Ad Hoc Reviewer for: *Aggressive Behavior, Behavioral Ecology and Sociobiology, Behavioral Genetics, Biological Psychiatry, Biological Psychology, Brain Research, Cell, Cerebral Cortex, Ethology, European J. Neurosci., Frontiers in Neuroendocrinology, Genes, Brain, and Behavior, J. Neurosci., Neuroscience, Neuron, Neuropharmacology, Neuropsychopharmacology, Pharmacol. Biochem. Behav., Physiology and Behavior, PNAS, Proc. R. Soc. Lond. B., Psychoneuroendocrinol., PLoS ONE, Science.*

Other Professional and University Service

2022-present	Member, ACNP Program Committee
2020-present	Neuroscience Graduate Group Diversity, Equity, and Inclusion Committee
2019-present	Vice Chair for Graduate Education, Department of Psychology
2022-present	Member, Society for Behavioral Neuroendocrinology Annual Meeting Program Committee
2022-2023	Co-Editor, <i>Hormones and Behavior</i> SBN 2022 Annual Meeting Special Issue
2020-2023	Graduate Studies Anti-Racist Working Group (Advocacy)
2022	ABRCMS Poster Judge
2018	NIMH Panel: Stress Neurobiology for the 21 st Century: Challenges and Opportunities
2018-2019	Member, Institutional Biosafety Committee
2017-2019	Secretary, Society for Behavioral Neuroendocrinology
2014-2017	Member, Academic Senate Committee on Research
2011-2017	Biological Psychology Area Head/Psychology Department Executive Committee
2017	Member, Society for Behavioral Neuroendocrinology Annual Meeting Program Committee
2016	Chair, Society for Behavioral Neuroendocrinology Annual Meeting Program Committee
2012-2016	Dean's Advisory Committee
2015	Animal Behavior Graduate Group Admissions Committee
2014-2015	Chair, Society for Behavioral Neuroendocrinology Membership Committee
2012, 2016	Hellman Fellows Panel
2012	Provosts Undergraduate Fellowship Committee
2010	SBN Poster Judge
2008-2011	Student Petitions, Standing Committee of the College of Letters and Science

Research Support

Active

2020-2024	Neural mechanisms of social status during adolescence
-----------	---

	Role: PI National Science Foundation (IOS 1937335), \$650,000 total costs
2020-2025	Oxytocin-dependent circuits of social approach and vigilance Role: PI National Institute of Mental Health (R01 MH121829), \$1,815,448 total costs
2021-2025	Sensory plasticity in fathers Role: Co-investigator National Science Foundation (IOS-2118607), \$64,692 total costs
2023-2025	Neural processing of status signals in social hierarchies Role: co-PI with James Curley, UT Austin National Institute of Mental Health (R21 MH132981), \$451,168 total costs
<u>Completed</u>	
2021-2021	Oxytocin-dependent circuits of social approach and vigilance” <i>Supplement to Promote Diversity</i> Role: PI National Institute of Mental Health (R01 MH121829-S1); \$154,750 total costs
2019-2020	Effects of corticotropin releasing hormone receptors on cognitive flexibility Role: PI Academic Senate Faculty Research Grant; \$25,000 total costs
2014-2018	Kappa opioid receptor and social stress in males and females Role: PI National Institute of Mental Health (R01 MH103322); \$1,518,461 total costs
2016-2018	Kappa opioid receptor and social stress in males and females” <i>Supplement to Promote Diversity</i> Role: PI National Institute of Mental Health (R01 MH103322-S1); \$134,391 total costs
2013-2014	<i>Sex differences in mesolimbic dopamine responses to social stress</i> Role: PI National Institute of Mental Health (R01 MH097714-01A1); \$373,337 total costs
2013-2014	<i>MicroRNAs, stress, and the neurotrophin hypothesis of depression</i> Role: PI Academic Senate Faculty Research Grant; \$20,555 total costs
2010-2013	<i>Environmental regulation of estrogen dependent aggression</i> Role: PI National Institute of Mental Health (R01 MH85069-04); \$1,330,133 total costs
2010-2012	<i>Sex differences and social stress</i> Role: PI National Institute of Mental Health (R21 MH090392); \$421,270 total costs
2009-2012	<i>Impact of chronic stress and behavioral coping on mammary tumor development, regression and recurrence in a mouse model of ErbB2-positive breast cancer</i> Role: Co-PI with C. Sweeney Department of Defense IDEA Award; \$375,000 direct costs

- 2011-2012 *Environmental regulation of estrogen dependent aggression/Supplement to Promote Diversity*
 Role: PI
 National Institute of Mental Health (R01 MH85069-S2); \$109,855 total costs
- 2010 *Environmental regulation of estrogen dependent aggression/Supplement to Promote Diversity*
 Role: PI
 National Institute of Mental Health (R01 MH85069-S2); \$9,185 total costs
- 2009-2010 *Sex differences in depression related behavior*
 Role: PI
 University of California Davis Academic Senate; \$20,569 total costs
- 2009-2010 *Impact of chronic stress and behavioral coping on mammary tumor development in a mouse model of ErbB2-positive breast cancer*
 Role: PI
 University of California Cancer Research Coordinating Committee; \$15,645 total costs
- 2009 *Effect of stress in a mouse model of ErbB2-positive breast cancer*
 Role: PI
 American Cancer Society Institutional Research Grant; \$30,000 total costs
- 2008-2009 *Effects of melatonin on genomic and nongenomic estrogen action*
 Role: PI
 American Cancer Society Institutional Research Grant; \$30,000 total costs

Publications

Web of Science h-index: 38, [Google Scholar](#) h-index: 47

Journal Articles

91. Boender, A. J., Boon, M., Albers, H. E., Eck, S. R., Fricker, B. A., Kelly, A. M., Motta, S., C., Shrestha, P., Taylor, J. H., Trainor, B. C., Triana-Del Rio, R., Young, L. J. 2023. An AAV-CRISPR/Cas9-strategy for gene editing across divergent rodent species: targeting neural oxytocin receptors as a proof of concept. *Science Advances*. In press.
90. Williams, A. V., Peña, C. J., Ramos-Maciél, S., Laman-Maharg, A., Ordoñez-Sanches, E., M., Britton, Durbin-Johnson, B., Settles, M., Hao, R., Yokoyama, S., Xu, C., Luo, P. X., Dwyer, T., Bhela, S., Black, A. M., Labonté, B., Serafini, R. A., Ruiz, A., Neve, R. L., Zachariou, V., Nestler, E. J., Trainor, B. C. 2022. Comparative transcriptional analyses in the nucleus accumbens identifies RGS2 as a key mediator of depression-related behavior. *Biological Psychiatry*, **92**, 943-951.
89. Luo, P. X., Cortez Zakharenkov, H., Torres, L. Y., Rios, R. A., Gegenhuber, B., Black, A. M., Xu, C. K., Minie, V. A., Tran, A. M., Tollkuhn, J., & Trainor, B. C. 2022. Oxytocin receptor behavioral effects and cell types in the bed nucleus of the stria terminalis. *Hormones and Behavior*, **143**, 105203
88. Butler-Struben, H. M., Kentner, A. C. & Trainor, B. C. 2022. What's wrong with my experiment?: The impact of hidden variables on neuropsychopharmacology research. *Neuropsychopharmacology*, **47**, 1285-1291.
87. Minie, V., Petric, R., Ramos-Maciél, S., Wright, E. C., Trainor, B. C., and Duque-Wilckens, N. 2021. Effects of environmental enrichment on stereotypy and social stress-induced phenotypes in California mice (*Peromyscus californicus*). *Journal of the American Association for Laboratory Animal Science*, **241**, 105381.
86. Peen, N. Duque-Wilckens, N., & Trainor, B. C. 2021. Neural mechanisms of affective-state matching: social buffering and stress contagion. *Hormones and Behavior*, **129**, 104933.

85. Luo, P., Manning, C. E., Fass, J. N., Williams, A. V., Hao, R., Campi, K. L., Trainor, B. C. 2021. Sex-specific effects of social defeat stress on miRNA expression in the anterior BNST. *Behavioural Brain Research*, **401**, 113084.
84. Kaur, S., Kinkade, J. A., Green, M. T., Martin, R. E., Willemse, T. E., Bivens, N. J., Schenk, A. K., Helferich, W. G., Trainor, B. C., Britton, M., Settles, M., Mao, J. & Rosenfeld, C. R. 2021. Disruption of global hypothalamic microRNA (miR) profiles and associated behavioral changes in California mice (*Peromyscus californicus*) developmentally exposed to endocrine disrupting chemicals. *Hormones and Behavior*, **128**, 104890.
83. Duque-Wilckens, N., Torres, L. Y., Yokoyama, S., Minie, V., Tran, A. M., Petkova, S. P., Hao, R., Ramos-Maciel, S. Rios, R. A., Jackson, K., Flores-Ramirez, F. J., Garcia-Carachure, I., Pesavento, P. A., Iñiguez, S. A., Grinevich, V. J. & Trainor, B. C. 2020. Extra-hypothalamic oxytocin neurons drive stress-induced social vigilance and avoidance. *Proceedings of the National Academy of Sciences U.S.A.*, **117**, 26406-26413.
82. Williams, A. V., Duque-Wilckens, N. Ramos-Maciel, S., Campi, K. L., Bhela, S., Xu, C. K. Jackson, K., Chini, B. Pesavento, P. A. & Trainor, B. C. 2020. Social approach and social vigilance are differentially regulated by oxytocin receptors in the nucleus accumbens. *Neuropsychopharmacology*, **45**, 1423-1430.
81. Wright, E. C., Hostinar, C. A. & Trainor, B. C. 2020. Anxious to see you: Neuroendocrine mechanisms of social vigilance and anxiety during adolescence. *European Journal of Neuroscience*, **52**, 2516-2529.
80. Marler, C. A. & Trainor, B. C. 2020. The challenge hypothesis revisited: focus on reproductive experience and neural mechanisms. *Hormones and Behavior*, **123**, 104645.
79. Leonzino, M., Ponzoni, L., Braidà, D. Gigliucci, V., Busnelli, M., Ceresini, I., Duque-Wilckens, N., Nishimori, K., Trainor, B. C., Sala, M., Chini, B. 2019. Impaired approach to novelty and striatal alteration in the oxytocin receptor deficient mouse model of autism. *Horm. Behav.*, **114**, 104543.
78. Shields, G. S., Rivers, A. M., Ramey, M. M., Trainor, B. C., Yonelinas, A. P. 2019. Mild acute stress improves response speed without impairing accuracy or interference control in two selective attention task: implications for theories of stress and cognition. *Psychoneuroendocrinology*, **108**, 78-86.
77. Mayer, H. S., Crepeau, M., Duque-Wilckens, N., Torres, L. Y., Trainor, B. C. & Stolzenberg, D. S. 2019. Histone deacetylase inhibitor treatment promotes spontaneous caregiving behavior in non-aggressive virgin male mice. *J. Neuroendocrinol.*, **31**, e12734.
76. Shields, G. S., Dunn, T. M., Trainor, B. C. & Yonelinas, A. P. 2019. Determining the biological associates of acute cold pressor post-encoding stress effects on human memory: the role of salivary interleukin-1 β . *Brain Behav. Immun.*, **81**, 178-187.
75. Young, R. L., Ferkin, M. H., Ockendon-Powell, N. F., Orr, V. N., Phelps, S. M., Pogany, A., Richards-Zawacki, C. L., Summers, K., Szekely, T., Trainor, B. C., Urrutia, A. O., Zachar, G., O'Connell, L. A., Hofmann, H. A. 2019. Conserved transcriptomic profiles underpin monogamy across vertebrates. *Proceedings of the National Academy of Sciences, U.S.A.*, **116**, 1331-1336.
74. Pesapane, R., Enge, B., Roy, A., Kelley, R., Mabry, K., Trainor, B. C., Clifford, D. & Foley, J. 2018. A tale of two valleys: disparity in sin nombre virus antibody reactivity between neighboring Mojave desert communities. *Vector-Borne and Zoonotic Diseases*. **19**, 290-294.
73. Williams, A. V., Laman-Maharg, A., Armstrong, C. V., Ramos-Maciel, S., Minie, V. A., Trainor, B. C. 2018. Acute inhibition of kappa opioid receptors stress blocks depression-like behaviors in California mice. *Progress in Neuropsychopharmacology and Biological Psychiatry*, **86**, 166-174.
72. Steinman, M. Q., Duque-Wilckens, N & Trainor, B. C. 2019. Complementary neural circuits for divergent effects of oxytocin: social approach versus social anxiety. *Biological Psychiatry*, **85**, 15-26.
71. Lam, J. C. W., Shields, G. S., Trainor, B. C., Slavich, G. M. & Yonelinas, A. P. 2018. Greater lifetime stress exposure predicts blunted cortisol but heightened DHEA reactivity to acute stress. *Stress and Health*, **35**, 15-26.
70. Williams, A. V. & Trainor, B. C. 2018. The impact of sex as a biological variable in the search for novel antidepressants. *Frontiers in Neuroendocrinology*, **50**, 107-117.
69. Wright, E. C., Parks, T. V., Alexander, J., Supra, R. & Trainor, B. C. 2018. Activation of kappa opioid receptors in the dorsal raphe have sex dependent effects on social behavior in California

- mice. *Behavioural Brain Research*, **351**, 83-92.
68. Laman-Maharg, A., Williams, A. V., Zufelt, M. D., Minie, V. A., Copeland, T., Ramos-Maciel, S., Hao, R., Ordoñez Sanchez, E., Silverman, J. L., Leigh, A., Snyder, R., Carrol, F. I., Fennell, T. R., Trainor, B. C. 2018. Sex differences in the effects of a kappa opioid receptor antagonists in the forced swim test. *Front. Pharmacol.* **9**:93.
 67. Duque-Wilckens, N., Steinman, M. Q., Busnelli, M., Chini, B., Yokoyama, S., Pham, M., Laredo, S. A., Hao, R., Perkeybile, A. M., Minie, V. A., Tan, P. B. Bales, K. L. and Trainor, B. C. 2018. Oxytocin receptors in the anteromedial bed nucleus of the stria terminalis promote stress-induced social avoidance in females. *Biological Psychiatry*, **83**, 203-213. (Priority communication).
 66. Kowalczyk, A. S., Davila, R. F., Trainor, B. C. 2018. Effects of social defeat on paternal behavior and pair bonding behavior in male California mice (*Peromyscus californicus*). *Hormones and Behavior*. **98**: 88-95.
 65. Laman-Maharg, A., Copeland, T. Ordoñez Sanchez, E, Campi, K. L., Trainor, B. C. 2017. The long-term effects of stress and kappa opioid receptor activation on conditioned place aversion in male and female California mice. *Behavioural Brain Research*, **332**, 299-307.
 64. Wright, E. C., Johnson, S. A., Hao, R., Kowalczyk, A. S., Greenberg, G. D., Ordoñez Sanchez, E, Laman-Maharg, A. R., Trainor, B. C., Rosenfeld, C. S. 2017. Exposure to extrinsic stressors social defeat or bisphenol A, eliminates sex differences in DNA methyltransferase expression in the amygdala. *Journal of Neuroendocrinology*, **29**, 1-9.
 63. Fuxjager, M. J., Trainor, B. C., and Marler, C. A. 2017. What can animal research tell us about the link between androgens and social competition in humans. *Hormones and Behavior*, **92**, 182-189.
 62. Laman-Maharg, A. & Trainor, B. C. 2017. Stress, sex, and motivated behaviors. *Journal of Neuroscience Research*, **95**, 83-92.
 61. Duque-Wilckens, N., Steinman, M. Q., Laredo, S. A., Hao, R., Perkeybile, A. M., Bales, K. L. & Trainor, B. C. 2016. Effects of V1a receptor in bed nucleus of stria terminalis on social behavior and anxiety in males and females. *Neuropharmacology*, **110**, 406-414.
 60. Steinman, M. Q. & Trainor, B. C. 2017. Sex differences in the effects of social defeat on brain and behavior in the California mouse: insights from a monogamous rodent. *Seminars in Cell and Developmental Biology*, **61**, 92-98
 59. Shields, G. S., Lam, J. C. W., Trainor, B. C. & Yonelinas, A. P. 2016. Exposure to acute stress enhances decision-making competence: evidence for the role of DHEA. *Psychoneuroendocrinology*. **67**, 51-60.
 58. Shields, G. S., Trainor, B. C., Lam, J. C. W., and Yonelinas, A. P. 2016. Acute stress impairs cognitive flexibility in men not women. *Stress*, **20**, 1-5.
 57. Steinman, M. Q., Duque-Wilckens, N., Greenberg, G. D., Hao, R. Campi, K. L., Laredo, S. A., Laman-Maharg, A., Manning, C. E., Doig, I. E., Lopez, E. M., Walch, K., Bales, K. L. and Trainor, B. C. 2016. Sex-specific effects of stress on oxytocin neurons correspond with responses to intranasal oxytocin. *Biological Psychiatry*, **80**, 406-414 (cover image).
 56. Greenberg, G. D., Doig, I. E., Steinman, M. Q., & Hao, R., Trainor, B. C. 2015. Effects of social defeat on dopamine neurons in the ventral tegmental area in males and females. *European Journal of Neuroscience*, **42**, 3081-3094.
 55. Heimovics, S. A., Trainor, B. C., Soma, K. K. 2015. Rapid effects of estradiol on aggression: the fast and the furious. *Integrative and Comparative Biology*, **55**, 281-293.
 54. Perea-Rodriguez, J. P., Takahashi, E. Y., Amador, T. M., Hao, R. C., Saltzman, W. & Trainor, B. C. 2015. Effects of reproductive experience on central expression of progesterone, oestrogen (α), oxytocin, and vasopressin (V1a) receptor mRNA in male California mice (*Peromyscus californicus*). *Journal of Neuroendocrinology*, **27**, 245-254.
 53. Laredo, S. A., Steinman, M. Q., Robles, C. F., Ferrer, E. & Trainor, B. C. 2015. Effects of defeat stress on behavioral flexibility in males and females: modulation by the mu-opioid receptor. *European Journal of Neuroscience*, **41**, 434-441.
 52. Steinman, M. Q., Laredo, S. A., Lopez, E. L., Manning, C. E., Hao, R., Doig, I. E., Campi, K. L., Flowers, A. E., Knight, J. K., Trainor, B. C. 2015. Hypothalamic vasopressin systems are more sensitive to the long term effects of social defeat in males versus females. *Psychoneuroendocrinology*, **51**, 122-134.
 51. Rosenfeld, C. S. & Trainor, B. C. 2014. Environmental health factors and sexually dimorphic

- differences in behavioral disruptions. *Current Environmental Health Reports*, **1**, 287-301.
50. Laredo, S. A., Villalon Landeros, R. & Trainor, B. C. 2014. Rapid effects of estrogens on behavior: environmental modulation and molecular mechanisms. *Frontiers in Neuroendocrinology*, **35**, 477-458.
 49. Greenberg, G. D., Howerton, C. L., & Trainor, B. C. 2014. Fighting in the home cage: dominance hierarchies and effects on neurobiological markers within the social decision-making network of house mice (*Mus musculus*). *Neuroscience Letters*, **566**, 151-155.
 48. Specia, D. J., Ogata, G., Mandikian, D., Willer, S. W., Eum, K., Wenzel, H. J., Doisy, E. T., Matt, L., Campi, K. L., Golub, M. S., Nerbonne, J. M., Hell, J. H., Trainor, B. C., Sack, J. T., Schwartzkroin, P. A. & Trimmer, J. S. 2014. Deletion of the homeostatic suppressor Kv2.1 leads to neuronal and behavioral hyperexcitability. *Genes, Brain, and Behavior*, **13**, 394-408.
 47. Laredo, S. A., Orr, V. N., McMackin, M. Z. & Trainor, B. C. 2014. The effects of exogenous melatonin and melatonin receptor blockade on aggression and estrogen-dependent gene expression in the California mouse (*Peromyscus californicus*), *Physiology and Behavior*, **128**, 86-91.
 46. Robles, C. F., McMackin, M. Z., Doig, I. E., Campi, K. L., Takahashi, E. Y., Pride, M. & Trainor, B. C. 2014. Sex differences in the effects of kappa opioid receptors on conditioned place aversion and social interaction behavior. *Behavioural Brain Research*, **262**, 84-93.
 45. Greenberg, G. D., Laman-Maharg, A., Campi, K. L., Voigt, H., Orr, V. N. & Trainor, B. C. 2014. Sex differences in stress-induced social withdrawal: role of brain derived neurotrophic factor in the bed nucleus of the stria terminalis. *Frontiers in Behavioral Neuroscience*, **7**, 223.
 44. Campi, K. L., Greenberg, G. D., Kapoor, A., Ziegler, T. E. & Trainor, B. C. 2014. Sex differences in effects of D1 dopamine receptors on social withdrawal. *Neuropharmacology*, **77**, 208-216.
 43. Campi, K. L., Jameson, C. E. & Trainor, B. C. 2013. Sexual dimorphism in the brain of the monogamous California mouse (*Peromyscus californicus*). *Brain Behavior and Evolution*, **81**, 236-249.
 42. Laredo, S. A., Villalon Landeros, R., Dooley, J. C., Orr, V. N., Silva, A. L., Crean, K. K., Steinman, M. Q. & Trainor, B. C. 2013. Nongenomic effects of estradiol on aggression occur under short day but not long day photoperiods. *Hormones and Behavior*, **64**, 557-565.
 41. Trainor, B. C., Takahashi, E. Y., Campi, K. L., Florez, S. A., Greenberg, G. D., Laman-Maharg, A., Laredo, S. A., Orr, V. N., Silva, A. L. and Steinman, M. Q. 2013. Sex differences in stress-induced social withdrawal: independence from adult gonadal hormones and inhibition of female phenotype by corncob bedding. *Hormones and Behavior*, **63**, 543-550.
 40. Greenberg, G. D., van Westerhuyzen, J. A., Bales, K. L. & Trainor, B. C. 2012. Is it all in the family? The effects of early social structure on neural-behavioral systems of prairie voles (*Microtus ochrogaster*), *Neuroscience*, **216**, 46-56. (cover article).
 39. Renn, S. C. P., Fraser, E. J., Aubin-Horth, N., Trainor, B. C., Hofmann, H. A. 2012. Females of an African cichlid fish display male-typical behavior in the absence of males. *Hormones and Behavior*, **61**, 496-503.
 38. Steinman, M. Q., Knight, J. A. & Trainor, B. C. 2012. Effects of photoperiod and food restriction on the reproductive physiology of female California mice. *General and Comparative Endocrinology*, **176**, 391-399.
 37. Villalon Landeros, R., Yoo, H. J., Morisseau, C., Fu, S., Hammock, B. D. & Trainor, B. C. 2012. Corncob bedding reverses the effects of estrogens on aggressive behavior and reduces estrogen receptor alpha expression in the brain. *Endocrinology*, **153**, 949-953.
 36. Trainor B. C. 2011. Stress responses and the mesolimbic dopamine system: social contexts and sex differences. *Hormones and Behavior*, **60**, 457-469. (cover article)
 35. Trainor, B. C., Pride, M. C., Villalon Landeros, R., Knoblauch, N. W., Takahashi, E. Y., Silva, A. L. & Crean, K. K. 2011. Sex differences in social interaction behavior following social defeat stress in the monogamous California mouse. *PLoS One*, e17405.
 34. Steinman, M. Q., Crean, K. K. and Trainor, B. C. 2011. Effects of photoperiod and food restriction on spatial memory. *European Journal of Neuroscience*, **33**, 361-370.
 33. Trainor, B. C., Takahashi, E., Silva, A. L., Crean, K. K., and Hostetler, C. 2010. Photoperiod and sex differences in hormonal responses to social conflict in the monogamous California mouse. *Hormones and Behavior*, **58**, 506-512.

32. Silva, A. L., Fry, W. H. D., Sweeney, C. and Trainor, B. C. 2010. Effects of photoperiod and experience on aggressive behavior in female California mice. *Behavioural Brain Research*, **208**, 528-534
31. Trainor, B. C., Crean, K. K., Fry, W. H. D., and Sweeney, C. 2010. Activation of extracellular signal-regulated kinases in social behavior circuits during resident-intruder aggression tests. *Neuroscience*, **165**, 325-336.
30. Trainor, B. C., Sweeney, C., and Cardiff, R. D. 2009. Isolating the effects of social interactions on cancer biology. *Cancer Prevention Research*, **2**, 843-846.
29. Corbin, C. J., Berger, T., Ford, J. J., Roselli, C. E., Sienkiewicz, W., Trainor, B. C., Roser, J. F., Vidal, J. D., Harada, N., and Conley, A. J. 2009. Pocrine brain aromatase cytochrome P450: isoform characterization, sexually dimorphic and spatial expression, and regulation by enzyme inhibition in neonatal boars. *Biology of Reproduction*, **81**, 388-395.
28. Trainor, B. C., Finy, M. S. & Nelson, R. J. 2008. Paternal aggression in a biparental mouse: parallels with maternal aggression. *Hormones and Behavior*, **53**, 200-207.
27. Trainor, B. C., Finy, M. S. & Nelson, R. J. 2008. Estradiol rapidly increases short-day aggression in a non-seasonally breeding rodent. *Hormones and Behavior*, **53**, 192-199.
26. Workman, J. L., Trainor, B. C., Finy, M. S. & Nelson, R. J. 2008. Effects of neuronal nitric oxide synthase and social housing of anxiety-like behavior. *Behavioural Brain Research*, **187**, 109-115.
25. Nelson, R. J. & Trainor, B. C. 2007. Neural mechanisms of aggression. *Nature Reviews Neuroscience*, **8**, 536-546.
24. Trainor, B. C., Rowland, M. R. & Nelson, R. J. 2007. Photoperiod affects estrogen receptor alpha, estrogen receptor beta, and aggressive behavior. *European Journal of Neuroscience* **26**, 207-218
23. Navara, K. J. Trainor, B. C., Nelson, R. J. 2007. Photoperiod alters macrophage responsiveness, but not expression of toll-like receptors in Siberian hamsters. *Comparative Biochemistry and Physiology*, **148**, 354-359.
22. Trainor, B. C., Lin, S., Finy, M. S., Rowland, M. R. & Nelson, R. J. 2007. Photoperiod reverses the effects of estrogens on male aggression via genomic and nongenomic pathways. *Proceedings of the National Academy of Sciences U.S.A.*, **104**, 9840-9845.
21. Martin, L. B. II, Trainor, B. C., Finy, M. S., Nelson, R. J. 2007. HPA activity and neotic and anxiety-like behavior vary among *Peromyscus* species. *General and Comparative Endocrinology*, **151**, 342-350.
20. Trainor, B. C. & Hofmann, H. A. 2007. Somatostatin and somatostatin receptor gene expression in dominant and subordinate cichlid fish. *Behavioural Brain Research*, **179**, 314-320.
19. Trainor, B. C., Workman, J. L., Jessen, R. & Nelson, R. J. 2007. Impaired nitric oxide synthase signaling dissociates social investigation and aggression. *Behavioral Neuroscience*, **121**, 362-369.
18. Trainor, B. C. & Hofmann, H. A. 2006. Somatostatin regulates aggressive behavior in the cichlid fish, *Astatotilapia burtoni*. *Endocrinology*, **147**, 5119-5125.
17. Frazier, C. R. M., Trainor, B. C., Cravens, C. J., Whitney, T. K. & Marler, C. A. 2006. Paternal behavior influences development of aggression and vasopressin expression in male California mouse offspring. *Hormones and Behavior*, **50**, 699-707.
16. Trainor, B. C., Greiwe, K. M. & Nelson, R. J. 2006. Individual differences in ER α in select brain nuclei are associated with individual differences in aggression. *Hormones and Behavior*, **50**, 338-345.
15. Pyter, L. M., Trainor, B. C. & Nelson, R. J. 2006. Testosterone and photoperiod interact to affect spatial learning and memory in adult male white-footed mice (*Peromyscus leucopus*). *European Journal of Neuroscience*, **23**, 3056-3062.
14. Trainor, B. C., Martin, L. B., Kuhlman, J., Greiwe, K. M. & Nelson, R. J. 2006. Social and photoperiod effects on reproduction. *General and Comparative Endocrinology*, **30**, 346-355
13. Trainor, B. C., Kyomen, H. H. & Marler, C. A. 2006. Estrogenic encounters: How interactions between aromatase and the environment modulate aggression. *Frontiers in Neuroendocrinology*, **27**, 170-179.
12. Nelson, R. J., Trainor, B. C., Chiavegatto, S. & Demas, G. E. 2006. Pleiotropic contributions of

neuronal nitric oxide synthase (NOS-1) to aggressive behavior. *Neuroscience and Biobehavioral Reviews*, **30**, 346-355

11. Trainor, B. C. & Basolo, A. L. 2006. Location, location, location: stripe position effects on female sword preference. *Animal Behaviour*, **71**, 135-140.
10. Marler, C. A., Trainor, B. C., Davis, E. S. 2005. Aggression and paternal behavior. *Current Directions in Psychological Science*, **14**, 163-166.
9. Marler, C. A., Oyegbile, T., Plavicki, J. & Trainor, B. C. 2005. Response to Wingfield Commentary on "A continuing saga: the role of testosterone in aggression". *Hormones and Behavior*, **48**, 256-258.
8. Trainor, B. C., Bird, I. M. & Marler, C. A. 2004. Opposing hormonal mechanisms of aggression revealed through short-lived testosterone manipulations and multiple winning experiences. *Hormones and Behavior*, **45**, 115-121.
7. Trainor, B. C., Bird, I. M., Alday, N. A., Schlinger, B. A. & Marler, C. A. 2003. Variation in aromatase activity in the medial preoptic area and plasma progesterone is associated with the onset of paternal behavior. *Neuroendocrinology*, **78**, 36-44.
6. Trainor, B. C., Rouse, K. L. & Marler, C. A. 2003. Arginine vasotocin interacts with the social environment to regulate advertisement calling in the gray treefrog (*Hyla versicolor*). *Brain Behavior and Evolution*, **61**, 165-171.
5. Marler, C. A., Bester-Meredith, J. K. & Trainor, B. C. 2003. Paternal behavior and aggression: Endocrine mechanisms and nongenomic transmission of behavior. *Advances in the Study of Behavior*, **32**, 263-323.
4. Basolo, A. L. & Trainor, B. C. 2002. The conformation of a female preference for a composite male trait in green swordtails. *Animal Behaviour*, **63**, 469-474.
3. Trainor, B. C. & Marler, C. A. 2002. Testosterone promotes paternal behaviour in a monogamous mammal via conversion to oestrogen. *Proceedings of the Royal Society of London Series B*, **269**, 823-829.
2. Trainor, B. C. & Marler, C. A. 2001. Testosterone, paternal behavior, and aggression in the monogamous California mouse, *Peromyscus californicus*. *Hormones and Behavior*, **40**, 32-42.
1. Trainor, B. C. & Basolo, A. L. 2000. An evaluation of video playback using *Xiphophorus helleri*. *Animal Behaviour*, **59**, 83-89.

Chapters and other publications

15. Duque-Wilckens, N & Trainor, B. C. 2022. Oxytocin release in stressful times. *Psychoneuroendocrinology*, **140**, 105709.
14. Kuske, J. X. & Trainor, B. C. 2021. Mean girls: social stress models for female rodents. *Current Topics in Behavioral Neuroscience*, **54**, 95-124.
13. Trainor, B. C. & Falkner, A. F. 2021. Quantifying sex differences in brain and behavior in the era of "big data". *Cold Spring Harbor Perspectives in Biology*, **14**(5):a039164.
12. Duque-Wilckens, N., Marler, C. A., Trainor, B. C. 2018. Aggression and territoriality. In: J. Choe, editor. *Encyclopedia of Animal Behavior 2nd Edition*. Elsevier, San Diego, CA.
11. Rieger, N. S., Fuxjager, M. J., Trainor, B. C., Zhao, X. & Marler, C. A. 2018. Behavioral and neuroendocrine plasticity in the form of winner and loser effects. In: Mehta & Schultheiss, editors. *Routledge International Handbook of Social Neuroendocrinology*. Taylor & Francis Group.
10. Duque-Wilckens, N. & Trainor, B. C. Mechanisms of aggression in females. 2017. In: R. J. Nelson, editor. *Oxford Research Encyclopedia of Neuroscience* (R. J. Nelson, ed).
9. Trainor, B. C., Sisk, C. L & Nelson, R. J. 2017. Hormonal processes in the development and expression of aggressive behavior. In: Pfaff et al. editors. *Hormones Brain and Behavior 3rd Edition*. Academic Press, pp 145-173.
8. Greenberg, G. D. & Trainor, B. C. 2016. Sex differences in social behavior and the role of the social decision-making network. In: R. M. Shansky (Ed.) *Neuroscience of Sex*. Elsevier, 77-106.
7. Conley, A. C., Orr, V. N., Trainor, B. C., Berger, T., Hughes, A. 2012. Multiple forms of aromatase in suiforms: tissue distribution, regulation and functional significance. In: J. Balthazart and G. F. Ball, editors, *Brain Aromatase, Estrogens, and Behavior*. Oxford University Press, New York.
6. Laredo, S. A. & Trainor, B. C. 2012. Aromatase, photoperiod, and nongenomic effects of estrogens

- on behavior. *In: J. Balthazart and G. F. Ball, Editors, Brain Aromatase, Estrogens, and Behavior.* Oxford University Press, New York, Pp 399-415.
5. Trainor, B. C. and Nelson, R. J. 2012. Neuroendocrinology of Aggressive Behavior, *In: G. Fink et al., editors. Handbook of Neuroendocrinology*, Elsevier: San Diego, CA, pp 509-520.
 4. Steinman, M. Q. and Trainor, B. C. 2010. Rapid effects of steroid hormones on animal behavior. *Nature Education Knowledge* 1(10):1
 3. Trainor, B. C. and Marler, C. A. 2010. Aggression and territoriality. *In: J. Moore and M. Breed Editors. Encyclopedia of Animal Behavior.* Elsevier, New York, pp 30-34.
 2. Trainor, B. C., Sisk, C. L & Nelson, R. J. 2009. Hormonal processes in the development and expression of aggressive behavior. *In: Pfaff et al. editors: Hormones Brain and Behavior 2nd Edition.* Elsevier, San Diego, pp 167-203.
 1. Marler, C. A., Trainor, B. C., Gleason, E., Bester-Meredith, J. K. & Becker, E. 2008. The effects of paternal behavior on offspring aggression and hormones in the biparental California mouse. *In: R. S. Bridges editor. Neurobiology of the Parental Brain*, Academic Press, New York, pp. 435-448.

Manuscripts in Progress

Wright, E. C. Zakharenkov, H. C., Serna Godoy, A., Lake, A., A., Prince, Z. D., Sekar, S., Culkin, H. I., Luo, P. X., Ramirez, A. V., Dwyer, T., Kapor, A., Corbett, C., Tian, L., Fox, A. S., Trainor, B. C. *in review*. Sexual differentiation of neural mechanisms of stress sensitivity during puberty.

Presentations

Invited Colloquia

- Trainor, B. C. 2021. Oxytocin receptors in extended amygdala induce social vigilance. Neuroscience Program. University of Illinois Urbana-Champaign (remote).
- Trainor, B. C. 2020. Coping with adversity: neural mechanisms of social vigilance across development. Department of Psychology, Cornell University (remote).
- Trainor, B. C. 2020. Stress and social anxiety: role of the bed nucleus of the stria terminalis. Department of Psychiatry. University of California San Diego.
- Trainor, B. C. 2019. Bed nucleus of the stria terminalis controls social vigilance in males and females. Department of Psychology. University of Vermont.
- Trainor, B. C. 2018. Oxytocin receptors in extended amygdala induce social vigilance. Neuroscience Colloquium. Michigan State University.
- Trainor, B. C. 2017. Stress, oxytocin and social avoidance. Ecology, Evolution, and Conservation Biology Colloquium. San Francisco State University.
- Trainor, B. C. 2016. Oxytocin facilitates stress-induced social withdrawal in females. Department of Psychology. Temple University.
- Trainor, B. C. 2016. Coping with social stress: a surprising role for oxytocin. Sacramento Valley Branch of the American Association of Laboratory Animal Research. Davis, CA.
- Trainor, B. C. 2015. Coping with social stress: a surprising role for oxytocin. Neuroscience and Behavior Colloquia. University of Massachusetts at Amherst.
- Trainor, B. C. 2012. Sex differences in behavioral and neurobiological responses to social stress. Department of Physiology. Emory University.
- Trainor, B. C. 2010. Rapid effects of estrogens and brain networks of male aggression. Cell and Molecular Biology Department. Tulane University.
- Trainor, B. C. 2009. Is there a season for everything? Photoperiod and physiology in the California mouse. Animal Science Seminar. University of California, Davis.
- Trainor, B. C. 2009. Estrogens and brain networks of aggression. Section of Integrative Biology. University of Texas, Austin.
- Trainor, B. C. 2008. Environmental regulation of estrogen dependent social behavior. Animal Behavior Group Seminar. University of California, Davis.
- Trainor, B. C. 2008. Environmental regulation of estrogen dependent social behavior. Department of Biology. University of California, Riverside.
- Trainor, B. C. 2007. Environmental regulation of estrogen dependent social behavior. Department of

- Biological Sciences. University of South Carolina.
- Trainor, B. C. 2007. Environmental regulation of estrogen dependent social behavior. Department of Psychology. University of California – Davis.
- Trainor, B. C. 2005. Estrogenic encounters: How interactions between estrogen and the environment affect aggression. Cummings School of Veterinary Medicine, Tufts University.
- Trainor, B. C. 2005. Estrogenic encounters: How interactions between estrogen and the environment affect aggression. Department of Biology. College of Wooster.
- Trainor, B. C. 2004. Male social behavior and aromatization in biparental California mice. Department of Biology. Amherst College.
- Trainor, B. C. 2003. Behavioral neuroendocrinology of paternal behavior and aggression in a biparental rodent. Department of Psychology. U. Wisconsin – Madison.
- Trainor, B. C. 2001. Testosterone, aromatase, and paternal behavior in the monogamous California mouse, *Peromyscus californicus*. Invited Seminar. U. Wisconsin – Whitewater.
- Trainor, B. C. 1998. Using video playback to examine female preferences. Interdisciplinary Seminar in Animal Behavior. U. Wisconsin- Madison.
- Trainor, B. C. 1998. Female preference for colored components of the sword in *Xiphophorus helleri*. Ecology & Evolution Seminar. U. Nebraska-Lincoln.

Symposia/Study Groups at Professional Meetings

- Trainor, B. C. 2022. Circuit-specific regulation of social approach and vigilance by oxytocin. Oxytocin and vasopressin. From brain modulation, to epigenetic regulation and clinical application. Erice, Sicily, Italy.
- Trainor, B. C. 2021. Circuit-specific regulation of social approach and vigilance by oxytocin. Society for Social Neuroscience. Virtual meeting.
- Trainor, B. C. 2021. Oxytocin neurons in the bed nucleus of the stria terminalis modulate social anxiety behavior. International Behavioral Neuroscience Society. Porto Vallarta, Mexico Hybrid meeting.
- Trainor, B. C. 2021. Psychology Graduate Program Diversity, Equity and Inclusion Activities. (Chair). UC Davis Graduate Anti-Racism Symposium. Davis, CA.
- Trainor, B. C. 2021. Effects of short-acting kappa opioid receptor antagonists in males and females (Panelist). Kappa Opioid Receptor Therapeutics Meeting, Virtual meeting.
- Trainor, B. C. & Bangasser, D. A. 2021. Getting Motivated in Stressful Times. (Co-Chair). Society for Biological Psychiatry. San Diego, CA.
- Trainor, B. C. 2020. Examining Social Behavior in a Time of Social Distancing (Panelist). American College of Neuropsychopharmacology. Virtual Meeting.
- Trainor, B. C. 2019. Sexual differentiation of neural circuits of social anxiety (Speaker). Society for Molecular Psychiatry. San Francisco, CA.
- Trainor, B. C. 2019. Oxytocin in the bed nucleus of the stria terminalis facilitates social anxiety. (Co-Chair). Society for Behavioral Neuroendocrinology. Bloomington, IN. Co-chair/Speaker
- Trainor, B. C. 2019. Oxytocin in the bed nucleus of the stria terminalis facilitates social anxiety. (Speaker). Canadian Association for Neuroscience. Toronto, Canada.
- Trainor, B. C. 2019. Sex specific effects of oxytocin in the bed nucleus of the stria terminalis on social anxiety. (Speaker). American Society of Pharmaceuticals and Experimental Therapeutics. Orlando, FL.
- Trainor, B. C. 2019. Complementary neural circuits for divergent effects of oxytocin. (Speaker). Winter Brain Meeting, Aspen, CO.
- Trainor, B. C. & Veenema, A. H. 2018. Social motivation across the lifespan (Co-chair). Society for Neuroscience Minisymposium. San Diego, CA.
- Trainor, B. C. 2018. Oxytocin in the bed nucleus of the stria terminalis induces social avoidance. (Speaker). Understanding the neuroregulatory actions of oxytocin and its potential clinical applications. Erice, Italy.
- Trainor, B. C. 2017. Oxytocin regulation of social approach and avoidance. (Speaker). Developmental Affective Neuroscience Symposium. University of Pittsburgh, PA.
- Trainor, B. C. 2017. Oxytocin receptors in the anteromedial bed nucleus of the stria terminalis promote stress-induced social avoidance in female. (Speaker). European Behavioral Pharmacology Society.

Crete, Greece

- Trainor, B. C. 2017. From circuits to transcripts: the role of the BNST in anxiety (Chair). Society for Biological Psychiatry. San Diego, CA.
- Trainor, B. C. 2017. Neuroendocrine basis of stress. (Speaker). Environmental Justice and Children Symposium. California Office of Environmental Health Hazard Assessment.
- Trainor, B. C. 2016. Activation of oxytocin receptors induces defeat-induced social withdrawal in female California mice (Panelist). American College of Neuropsychopharmacology. Hollywood, FL.
- Trainor, B. C. 2016. Kappa opioid receptors and social stress in males and females. (Speaker). Fuller Symposium. American Society for Pharmaceuticals and Experimental Therapeutics. San Diego, CA.
- Trainor, B. C. 2016. How and why to study both sexes in neuroscience research (Panelist). Winter Conference on Brain Research. Breckenridge, CO.
- Trainor, B. C. 2015. Kappa opioid receptors and social stress in males and females (Speaker). Society for Neuroscience Annual Meeting Minisymposium. Chicago, IL.
- Trainor, B. C. 2015. Effects of social defeat stress on oxytocin signaling in males and females. (Co-chair/Speaker) Society for Behavioral Neuroendocrinology Annual Meeting. Pacific Grove, CA.
- Trainor, B. C. 2015. Possible antidepressant effects of kappa opioid receptor agonists following social defeat stress. (Speaker). Kappa Therapeutic Conference, Chapel Hill, NC.
- Trainor, B. C. 2015. Sex differences in effects of stress on the aversive properties of kappa opioid Receptor (Speaker). Organization for the Study of Sex Differences Annual Meeting, Palo Alto, CA.
- Trainor, B. C. 2014. Stress and oxytocin signaling in males and females (Co-chair/Speaker). International Society for Psychoneuroendocrinology Annual Meeting. Montreal, Canada.
- Trainor, B. C. 2011. Environmental effects on estrogen-sensitive mechanisms of aggression (Speaker). North American Society for Comparative Endocrinology. Ann Arbor, MI.
- Trainor, B. C. 2011. Rapid effects of estradiol on aggressive behavior (Speaker). Society for Behavioral Neuroendocrinology Annual Meeting, Querétaro, Mexico.
- Trainor, B. C. 2010. Effects of photoperiod and experience on aggressive behavior in female California mice. (Speaker). International Society for Research on Aggression Conference. Storrs, CT.
- Trainor, B. C. 2007. Environmental mediation of estrogen dependent aggressive behavior via genomic and non-genomic mechanisms. (Speaker). American Psychiatric Association Annual Meeting.
- Trainor, B. C. 2006. Photoperiod determines the effect of estrogen on aggressive behavior. (Speaker). Society for Behavioral Neuroendocrinology Annual Meeting. Pittsburgh, PA.
- Trainor, B. C. 2003. Increased medial preoptic aromatase activity is associated with the onset of estrogen dependent paternal behavior in a bi-parental rodent. (Speaker). Young Investigators Symposium, Workshop on Steroid Hormones and Brain Function.
- Trainor, B. C. & Marler, C. A. 2002. Testosterone promotes paternal behavior in a monogamous mammal through conversion to estrogen. (Speaker). Society for Integrative and Comparative Biology. Annual Meeting.
- Trainor, B. C., Rouse, K. L. & Marler, C. A. 2002. Arginine vasotocin interacts with the social environment to regulate advertisement calling in the gray treefrog (*Hyla versicolor*). (Speaker). Animal Behavior Society. Annual Meeting.
- Basolo, A. L. & Trainor, B. C. 1998. Female preference for a composite trait in *Xiphophorus helleri*. (Speaker). Animal Behavior Society. Annual Meeting.

Other Speaking Activities

Instructor: Animal models in neuroscience: understanding the behavior. Norwegian Research School in Neuroscience. 2019. Tromsø, Norway.

Courses Taught

PSC 101, Introduction to Biological Psychology, University of California, Davis
PSC 216, Behavioral Genetics, University of California, Davis
PSC 125, Behavioral Genetics and Epigenetics, University of California, Davis
PSC 190, Neurobiology of Stress, University of California, Davis

Trainees

Graduate Trainees

Valentina Cea Salazar (Neuroscience), expected graduation Spring 2027
Rani Purewal (Psychology, co-advised with Drew Fox), expected graduation Spring 2027
Jace Kuske (Psychology), expected graduation Spring 2025
Hanna Butler-Struben (Animal Behavior), expected graduation Spring 2024
Pei Lou (Psychology), expected graduation Fall 2023

Former Trainees (May 2023)

Graduate Students

Michael Steinman, PhD (2014)	current: Senior Medical Writer, Prime Gold
Sarah Laredo, PhD (2014)	current: Assoc. Principal Writer, Prime Gold
Gian Greenberg, PhD (2014)	current: Medical Writer, Arbor Scientia
Abby Laman-Maharg, PhD (2017)	current: parental leave
Natalia Duque-Wilckens, DVM, PhD. (2017)	current: Assistant Professor, NC State
Grant Shields, PhD (2019, co-advised w/Yonelinas)	current: Assistant Professor, Univ. Arkansas
Alexia Williams, PhD (2020)	current: Science Comm, Citrus Health Group
Emily Wright, PhD (2020)	current: post-doc, UC Davis (Tian Lab)

Post-doc

Katharine Campi, PhD, post-doc 2010-2014	current: Instructor, Sierra College
--	-------------------------------------

Graduate/Post-doctoral Trainee Committees

External

Graduate Students

Juan-Pablo Perea-Rodriguez PhD 2016	University of California at Riverside
Hope Kronman, MD/PhD 2019	Mt. Sinai School of Medicine
Brenda Abdelmesih	Albert Einstein College of Medicine
Katharine Denney	SUNY Stony Brook/Cold Spring Harbor
Samantha Bouknight	University of South Carolina

Post-doc

Kathleen Munley, PhD	University of Houston
----------------------	-----------------------

Society Memberships

Society for Behavioral Neuroendocrinology	American Assoc. for the Advancement of Science
American College of Neuropsychopharmacology	