



Todd Eric Thiele, Ph.D.

**Professor and Director of the Behavioral & Integrative Neuroscience Program,
Dept. of Psychology & Neuroscience, Neuroscience Curriculum, UNC Neuroscience Center,
& Bowles Center for Alcohol Studies, University of North Carolina at Chapel Hill**

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MAILING ADDRESS:

Department of Psychology & Neuroscience
University of North Carolina at Chapel Hill
CB# 3270, Davie Hall, Room 117
Chapel Hill, NC 27599-3270

PHONE/EMAIL:

Office: (919) 966-1519
Cell: (919) 357-5837
Fax: (919) 962-2537
E-mail: thiele@unc.edu

Education

- Ph.D. in Psychology, Kansas State University, 1995
- M.S. in Psychology, Kansas State University, 1992
- B.S. in Psychology, University of Wisconsin-Madison, 1989

Professional Experience

- 2012-Present Director, Behavioral & Integrative Neuroscience Program, Department of Psychology & Neuroscience, University of North Carolina at Chapel Hill, NC.
- 2008-Present Professor, Department of Psychology & Neuroscience, University of North Carolina, Chapel Hill, NC.
- 2001-Present Member, Bowles Center for Alcohol Studies, University of North Carolina, Chapel Hill, NC.
- 2001-Present Member, Neuroscience Curriculum, University of North Carolina, Chapel Hill, NC.
- 2005-Present Member, Interdisciplinary Obesity Center, University of North Carolina, Chapel Hill, NC.
- 2006-2012 Director of Research Services, Department of Psychology, University of North Carolina, Chapel Hill, NC.
- 2004-2008 Associate Professor, Department of Psychology, University of North Carolina, Chapel Hill, NC.
- 2001-2004 Assistant Professor, Department of Psychology, University of North Carolina, Chapel Hill, NC.



- 1998-2001 Research Scientist, Alcohol and Drug Abuse Institute, University of Washington, Seattle, WA.
- 1995-1998 Postdoctoral Research Fellow, Department of Psychology, University of Washington, Seattle, WA.
- 1990-1995 Graduate Research Assistant, Department of Psychology, Kansas State University, Manhattan, KS.

Honors, Awards, & Invited Membership

- 2016 Outstanding Reviewer Certificate of Appreciation from the *Journal of Neuroscience*.
- 2016 Invited Participant (by UNC Dean of the College of Arts and Sciences, Dr., Kevin M. Guskiewicz); Workshop entitled “Understanding Differences” July 12, 2016.
- 2015-2019 Member, Neuroscience Research Subcommittee (AA-4), National Institute on Alcohol Abuse & Alcoholism.
- 2010-present Member of the Alumni Advisory Council, Department of Psychology, Kansas State University.
- 2008-2012 Member, Neurotoxicology & Alcohol (NAL) Study Section, National Institute of Health.
- 2010 Invited Participant (by UNC Chancellor, Holden Thorp); Workshop entitled “The Entrepreneurial Mindset—Maximizing Faculty Impact” May 10-13, 2010.
- 2009 W. N. Reynolds Competitive Leave Award (for sabbatical leave during the Spring Semester of 2010).
- 1997, 1998 Junior Investigator Awards from the Research Society on Alcoholism (award supported by NIAAA).
- 1999 Glaxo Wellcome travel award to attend the 5th International NPY Meeting.
- 1995 Merit Award from the Research Society on Alcoholism (award supported by NIAAA and RSA).

Bibliography & Products of Scholarship

Google Scholar h-index = 41

BOOK CHAPTERS/BOOK EDITING

1. Thiele, T. E. (2017). *Neuropeptides and Addiction: An Introduction. International Review of Neurobiology, 136*, 1-3.
2. Robinson, S. L. & Thiele, T. E. (2017). The role of neuropeptide Y (NPY) in alcohol and drug abuse disorders. *International Review of Neurobiology, 136*, 177-197.



3. Thiele, T. E. (2017). Editor, *The Role of Neuropeptides in Addiction and Disorders of Excessive Consumption*, volume 136 in the series *International, Review of Neurobiology*, Elsevier, United Kingdom.
4. Heilig, M., & Thiele, T. E. (2005). *Neuropeptide Y antagonists: a perspective*. In: Mann, K. & Spanagel, R. (eds.) *Milestones in Drug Therapy: Drugs for Relapse Prevention of Alcoholism*. Birkhäuser-Verlag, Berlin, Germany, p.p. 189-203.
5. Thiele, T. E. & Heilig, M. (2004). *Behavioural Effects of NPY*. In: Michael, M. (ed.) *Handbook of Experimental Pharmacology, Vol. 162: Neuropeptide Y and Related Peptides*. Springer-Verlag, Heidelberg, Germany, p.p. 252-282.

REFEREED PAPERS

1. Burnham, N. W. & Thiele, T. E. (2017). Voluntary binge-like ethanol consumption site-specifically increases c-Fos immunoexpression in male C57BL/6J mice. *Neuroscience*, 367, 159-168.
2. Olney, J. J., Navarro, N., & Thiele, T. E. (2017). The role of orexin signaling in the ventral tegmental area and central amygdala in modulating binge-like ethanol drinking behavior. *Alcoholism: Clinical & Experimental Research*, 41, 551-561.
3. Marshall, S. A., McKnight, K., Lysle, D. T., & Thiele, T. E. (2017). Modulation of binge-like ethanol consumption by IL-10 signaling in the basolateral amygdala. *Journal of Neuroimmune Pharmacology*, 12, 249-259.
4. Rinker, J. A., Marshall, S. A., Mazzone, C. M., Lowery-Gionta, E. G., Gulati, V., Pleil, K. E., Kash, T. L., Navarro, M. & Thiele, T. E. (2017). Extended amygdala to ventral tegmental area corticotropin-releasing factor circuit controls binge ethanol intake. *Biological Psychiatry*, 81, 930-940.
5. Marcinkiewicz, C. A., Mazzone, C. M., Halladay, L. R., D'Agostino, G., Hardaway, J. A., DiBerto, F. J., Navarro, M., Burnham, N., Cristiano, C., Dorrier, C. E., Tipton, G., Ramakrishnan, C., Kozicz, T., Deisseroth, K., Thiele, T. E., McElligott, Z. A., Holmes, A., Heisler, L. K., & Kash, T. L. (2016). Serotonin activates an anxiety and fear-promoting circuit in the bed nucleus of the stria terminalis. *Nature*, 537, 97-101.
6. Navarro, M., Olney, J. J., Burnham, N. W., Mazzone, C. M., Lowery-Gionta, E. G., Pleil, K. E., Kash, T. L., & Thiele, T. E. (2016). Lateral hypothalamus GABAergic neurons modulate consummatory behaviors regardless of the caloric content or biological significance of the consumed stimuli. *Neuropsychopharmacology*, 21, 835-846.
7. Sprow, G. M., Rinker, J. A., Lowery-Gionta, E. G., Sparrow, A. M., Navarro, M., & Thiele, T. E. (2016). Lateral hypothalamic melanocortin receptor signaling modulates binge-like ethanol drinking in C57BL/6J mice. *Addiction Biology*, 41, 1506-1512.
8. Marshall, S. A., Casachahua, J. D., Rinker, J. A., Blöse, A. K., Lysle, D. T., & Thiele, T. E. (2016). IL-1 receptor signaling in the basolateral amygdala modulates binge-like ethanol consumption in male C57BL/6J mice. *Brain, Behavior & Immunity*, 51, 258-267.



9. Marshall, S. A., Rinker, J. A., Harrison, L. K., Fletcher, C. A., Herfel, T. M., & Thiele, T. E. (2015). Assessment of the effects of six standard rodent diets on binge-like and voluntary ethanol consumption in male C57BL/6J mice. *Alcoholism: Clinical & Experimental Research*, 39, 1406-16.
10. Navarro, M., Carvajal, F., Lerma-Carbrera, J. M., Cubero, I., Picker, M. J., & Thiele, T. E. (2015). Evidence that melanocortin receptor agonist melanotan-II synergistically augments the ability of naltrexone to blunt binge-like ethanol intake in male C57BL/6J mice. *Alcoholism: Clinical & Experimental Research*, 39, 1425-33.
11. Pleil, K. E., Rinker, J. A., Lowery-Gionta, E. G., Mazzone, C. M., Kendra, M., McCall, N. M., Olsen, D. P., Lowell, B. B., Grant, K. A., Thiele, T. E., & Kash, T. L. (2015). NPY signaling inhibits extended amygdala CRF neurons to suppress binge alcohol drinking. *Nature Neuroscience* 18, 545-52.
12. Olney, J. J., Navarro, M., & Thiele, T. E. (2015). Binge-like consumption of ethanol and other salient reinforcers is blocked by orexin-1 receptor inhibition and leads to a reduction of hypothalamic orexin immunoreactivity. *Alcoholism: Clinical & Experimental Research*, 39, 21-29.
13. Olney, J. J., Navarro, M., & Thiele, T. E. (2014). Targeting central melanocortin receptors: A promising novel approach for treating alcohol abuse disorders. *Frontiers in Neuroscience*, 8:218, 1-9.
14. Sprow, G. M., Rinker, J. A., & Thiele, T. E. (2014). Histone acetylation in the nucleus accumbens shell modulates ethanol-induced locomotor activation in DBA/2J mice. *Alcoholism: Clinical & Experimental Research*, 38, 2377-86.
15. Thiele, T. E., Crabbe, J.C., & Boehm, S. L. (2014). "Drinking in the Dark" (DID): A simple mouse model of binge-like alcohol intake. *Current Protocols in Neuroscience*, Unit 9.49.1-9.
16. Carlson, S. L., O'Buckley, T. K., Thomas, R., Thiele, T. E., & Morrow, A. L. (2014). Altered GABA_A receptor expression and seizure threshold following acute ethanol challenge in mice lacking the RII β subunit of PKA. *Neurochemical Research*, 39, 1079-1087.
17. Thiele, T. E. & Navarro, M. (2014). "Drinking in the Dark" (DID) procedures: A model of binge-like ethanol drinking in non-dependent mice. *Alcohol*, 48, 235-241.
18. Wilcox, M. V., Cuzon-Carlson, V. C., Sherazee, N., Sprow, G. M., Bock, R., Thiele, T. E., Lovinger, & D. M., Alvarez, V. A. (2014). Repeated binge-like ethanol drinking alters ethanol drinking patterns and depresses striatal GABAergic transmission. *Neuropsychopharmacology*, 39, 579-94.
19. Olney, J. J., Sprow, G. M., Navarro, M., & Thiele, T. E. (2014). The protective effects of the melanocortin receptor (MCR) agonist, melanotan-II (MTII), against binge-like ethanol drinking are facilitated by deletion of the MC3 receptor in mice. *Neuropeptides*, 48, 47-51.
20. McCall, N. M., Sprow, G. M., Delpine, E., Thiele, T. E., Kash, T. L., & Pleil, K. E. (2013). Effects of sex and deletion of neuropeptide Y2 receptors from GABAergic neurons on affective and alcohol drinking behaviors in mice. *Frontiers in Integrative Neuroscience*, 7:100.



21. Lerma-Cabrera, J. M., Carvajal, F., Alcaraz-Iborra, M., de la Fuente, L., Navarro, M., Thiele, T. E., & Cubero, I. (2013). Adolescent binge-like ethanol exposure reduced basal α -MSH expression in the hypothalamus and the amygdala of adult rats. *Pharmacology, Biochemistry, & Behavior*, *110*, 66-74.
22. Cox, B. R., Olney, J. J., Lowery-Gionta, E. G., Sprow, G. M., Rinker, J. A., Navarro, M., Kash, T. L., & Thiele, T. E. (2013). Repeated cycles of binge-like ethanol drinking in male C57BL/6J mice augments subsequent voluntary ethanol intake but not other dependence-like phenotypes. *Alcoholism: Clinical & Experimental Research*, *37*, 1688-1695.
23. Navarro, M., Cubero, I., & Thiele, T. E. (2013). Decreased immunoreactivity of the polypeptide precursor pro-opiomelanocortin (POMC) and the prohormone convertase PC1/3 after chronic ethanol exposure in Sprague-Dawley Rats. *Alcoholism: Clinical & Experimental Research*, *37*, 399-406.
24. Thiele, T. E. (2013). Insulin Resistance from Binge Drinking: It's All in Your Head. *Science Translational Medicine*, *5*, 16-17.
25. Lerma-Cabrera, J. M., Carvajal, F., de la Torre, L., de la Fuente, L., Navarro, M., Thiele, T. E., & Cubero, I. (2013). MC4-R signaling within the nucleus accumbens shell, but not the lateral hypothalamus, modulates ethanol palatability in rats. *Behavioral Brain Research*, *239*, 51-54.
26. Lerma-Cabrera, J. M., Carvajal, F., de la Torre, L., de la Fuente, L., Navarro, M., Thiele, T. E., & Cubero, I. (2012). Control of food intake by MC4-R signaling in the lateral hypothalamus, nucleus accumbens shell and ventral tegmental area: Interactions with ethanol. *Behavioral Brain Research*, *234*, 51-60.
27. Sparrow, A. M., Lowery, E. G., Pleil, K. E., Li, C., Cox, B., Sprow, G. M., Jijon, A. M., Pena, J., Navarro, M., Kash, T. L., & Thiele, T. E. (2012). Central neuropeptide Y modulates binge-like ethanol drinking in C57BL/6J mice via Y1 and Y2 receptors. *Neuropsychopharmacology*, *37*, 1409-1421.
28. Ryabinin, A. E., Tsoory, M. M., Kozicz, T., Thiele, T. E., Neufeld-Cohen, A., Lowery, E. G., Giardino, W. J., & Kaur, S. (2012). Urocortins: CRF's siblings and their role in anxiety, depression and alcohol abuse. *Alcohol*, *46*, 349-357.
29. Sprow, G. M. & Thiele, T. E. (2012). The neurobiology of binge-like ethanol drinking: Evidence from rodent models. *Physiology & Behavior*, *106*, 325-331.
30. Lowery-Gionta, E. G., Navarro, N., Li, C., Pleil, K. E., Rinker, J. A., Cox, B. R., Sprow, G. M., Kash, T. L., & Thiele, T. E. (2012). Corticotropin releasing factor signaling in the central amygdala is recruited during binge-like ethanol consumption in C57BL/6J mice. *Journal of Neuroscience*, *32*, 3405-3413.
31. Thiele, T. E. (2012). Commentary: Studies on binge-like ethanol drinking may help identify the neurobiological mechanisms underlying the transition to dependence. *Alcoholism: Clinical & Experimental Research*, *36*, 193-196.
32. Hayes, D. M., Fee, J. R., McCown, T. J., Knapp, D. J., Breese, G. R., Cubero, I., Carvajal, F., Lerma-Cabrera, J. M., Navarro, M., & Thiele, T. E. (2012). Neuropeptide Y signaling modulates the expression of ethanol-induced behavioral sensitization in mice. *Addiction Biology*, *17*, 338-350.



33. Navarro, M., Lerma-Cabrera, J. M., Carvajal, F., Lowery, E. G., Cubero, I., & Thiele, T. E. (2011). Assessment of voluntary ethanol consumption and the effects of a melanocortin (MC) receptor agonist on ethanol intake in mutant C57BL/6J mice lacking the MC-4 receptor. *Alcoholism: Clinical & Experimental Research*, 35, 1058-1066.
34. Lyons, A. M. & Thiele, T. E. (2010). Neuropeptide Y conjugated to saporin alters anxiety-like behavior when injected into the central nucleus of the amygdala or basomedial hypothalamus in BALB/cJ mice. *Peptides*, 31, 2193-2199.
35. Lowery, E. G. & Thiele, T. E. (2010). Pre-clinical evidence that corticotropin-releasing factor (CRF) receptor antagonists are promising targets for pharmacological treatment of alcoholism. *CNS & Neurological Diseases - Drug Targets*, 9, 77-86.
36. Lowery, E. G., Spanos, M., Navarro, M., Lyons, A. M., Hodge, C. W., & Thiele, T. E. (2010). CRF-1 antagonist and CRF-2 agonist decrease binge-like ethanol drinking in C57BL/6J mice independent of the HPA axis. *Neuropsychopharmacology*, 35 1241-1252.
37. Cubero, I., Navarro, M., Carvajal, F., Lerma-Cabrera, J. M., & Thiele, T. E. (2010). Ethanol-induced increase of agouti-related protein (AgRP) immunoreactivity in the arcuate nucleus of the hypothalamus of C57BL/6J, but not 129/SvJ, inbred mice. *Alcoholism: Clinical & Experimental Research*, 34 693-701.
38. Navarro, M., Cubero, I., Ko, L., & Thiele, T. E. (2009). Deletion of agouti-related protein blunts ethanol self-administration and binge-like drinking in mice. *Genes, Brain, & Behavior*, 8, 450-458.
39. Sparta, D. R., Ferraro III, F. M., Fee, J. R., Knapp, D. J., Breese, G. R., & Thiele, T. E. (2009). The alcohol deprivation effect (ADE) in C57BL/6J mice is observed using operant self-administration procedures and is modulated by CRF-1 receptor signaling. *Alcoholism: Clinical & Experimental Research*, 33, 31-42.
40. Lyons, A. M., Lowery, E. G., Sparta, D. R., & Thiele, T. E. (2008). Effects of food availability and administration of orexigenic and anorectic agents on elevated ethanol drinking associated with drinking in the dark procedures. *Alcoholism: Clinical & Experimental Research*, 32, 1962-1968.
41. Navarro, M., Cubero, I., Knapp, D. J., Breese, G. R., & Thiele, T. E. (2008). Decreased immunoreactivity of the melanocortin neuropeptide α -melanocyte stimulating hormone (α -MSH) after chronic ethanol exposure in Sprague-Dawley rats. *Alcoholism: Clinical & Experimental Research*, 32, 266-276.
42. Sparta, D. R., Sparrow, A. M., Lowery, E. G., Fee, J. R., Knapp, D. J., & Thiele, T. E. (2008). Blockade of the corticotropin releasing factor (CRF) type 1 receptor attenuates elevated ethanol drinking associated with drinking in the dark procedures. *Alcoholism: Clinical & Experimental Research*, 32, 259-265.
43. Lowery, E. G., Sparrow, A. M., Breese, G. R., Knapp, D. J., & Thiele, T. E. (2008). The CRF-1 receptor antagonist, CP-154,526, attenuates stress-induced increases in ethanol consumption by BALB/cJ mice. *Alcoholism: Clinical & Experimental Research*, 32, 240-248.



44. Fee, J. R., Sparta, D. R., Picker, M. J., & Thiele, T. E. (2007). Corticotropin releasing factor (CRF)-1 receptor antagonist, CP-154,526, blocks the expression of ethanol-induced behavioral sensitization. *Neuroscience*, *150*, 14-21.
45. Sparta, D. R., Fee, J. R., Knapp, D. J., Breese, G. R., & Thiele, T. E. (2007). Elevated anxiety-like behavior following ethanol exposure in mutant mice lacking neuropeptide Y (NPY). *Drug & Alcohol Dependence*, *90*, 297-300.
46. Fee, J. R., Knapp, D. J., Sparta, D. R., Breese, G. R., Picker, M. J., & Thiele, T. E. (2006). Involvement of protein kinase A in ethanol-induced locomotor activity and sensitization. *Neuroscience*, *140*, 21-31.
47. Ferraro III, F. M., Sparta, D. R., Knapp, D. J., Breese, G. R. & Thiele, T. E. (2006). Increased consumption but not operant self-administration of ethanol in mice lacking the RII β subunit of protein kinase A (PKA). *Alcoholism: Clinical & Experimental Research*, *30*, 825-835.
48. van Dijk, G., de Vries, K., Nyakas, C., Buwalda, B., Adage, T., Kuipers, F., Kas, M., Adan, R. A. H., Wilkinson, C. C., Thiele, T. E., & Scheurink, A. J. W. (2005). Reduced anorexigenic efficacy of leptin, but not of the melanocortin receptor agonist melanotan-II, predicts diet-induced obesity in rats. *Endocrinology*, *146*, 5247-5256.
49. Navarro, M., Cubero, I., Chen, A. S., Chen, H. Y., Knapp, Breese, G. R., D. J., Marsh, D. J., & Thiele, T. E. (2005). The effects of melanocortin receptor activation and blockade on ethanol and food intake: A possible role for the melanocortin-4 receptor. *Alcoholism: Clinical & Experimental Research*, *29*, 949-957.
50. Hayes, D. M., Knapp, D. J., Breese, G. R., & Thiele, T. E. (2005). Comparison of basal NPY and CRF levels between the high ethanol drinking C57BL/6J and low ethanol drinking DBA/2J inbred mouse strains. *Alcoholism: Clinical & Experimental Research*, *29*, 721-729.
51. Fee, J. R., Sparta, D. R., Knapp, D. J., Breese, G. R., Picker, M. J., & Thiele, T. E. (2004). Predictors of high ethanol consumption by RII β knockout mice: Assessment of anxiety and ethanol-induced sedation. *Alcoholism: Clinical & Experimental Research*, *28*, 1459-1468.
52. Sparta, D. R., Fee, J. R., Hayes, D. M., Knapp, D. J., MacNeil, D. J., & Thiele, T. E. (2004). Peripheral and central administration of a selective neuropeptide Y Y1 receptor antagonist suppresses ethanol intake by C57BL/6J mice. *Alcoholism: Clinical & Experimental Research*, *28*, 1324-1330.
53. Thiele, T. E., Sparta, D. R., Hayes, D. M., & Fee, J. R. (2004). A role for neuropeptide Y in neurobiological responses to ethanol and drugs of abuse. *Neuropeptides*, *38*, 235-243.
54. Thiele, T. E., Naveilhan, P., & Ernfors, P. (2004). Assessment of ethanol consumption and water drinking by NPY Y2 receptor knockout mice. *Peptides*, *25*, 975-983.
55. Thiele, T. E., Stewart, R. B., Badia-Elder, N. E., R. B., Geary, N., Leibowitz, S. F., Hoebel, B. G., & Egli, M. (2004). Overlapping peptide control of alcohol self-administration and feeding. *Alcoholism: Clinical & Experimental Research*, *28*, 288-294.



56. Navarro, M., Cubero, I., Knapp, D. J. & Thiele, T. E. (2003). MTH-induced reduction of voluntary ethanol drinking is blocked by pretreatment with AgRP-(83-132). *Neuropeptides*, 37, 338-344.
57. Thiele, T. E., Sparta, D. R., Fee, J. R., Navarro, M., & Cubero, I. (2003). Central infusion of neuropeptide Y alters ethanol-induced sedation, but not ethanol consumption, by C57BL/6 mice. *Alcohol*, 31, 155-160.
58. Thiele, T. E., Navarro, M., Sparta, D. R., Fee, J. R., Knapp, D. J., & Cubero, I. (2003). Alcoholism and Obesity: Overlapping Neuropeptide Pathways? *Neuropeptides*, 37, 321-337.
59. Pandey, S. C., Carr, L. G., Heilig, M., Ilveskoski, E., & Thiele, T. E. (2003). Neuropeptide Y (NPY) and alcoholism: Genetic, molecular, and pharmacological evidence. *Alcoholism: Clinical & Experimental Research*, 27, 149-154.
60. Kaiyala, K. J., Thiele, T. E., Watson, C. H., & Ramsey, D. S. (2003). Nitrous oxide-induced c-Fos expression in the rat brain. *Brain Research*, 967, 73-80.
61. Thiele, T. E. & Badia-Elder, N. E. (2003). A role for neuropeptide Y in alcohol intake control: Evidence from human and animal research. *Physiology & Behavior*, 79, 95-101.
62. Koh, M. T., Clarke, S. N. D. A., Spray, K. J., Thiele, T. E., & Bernstein, I. L. (2003). Conditioned taste aversion memory and cFos induction are disrupted in RII β -protein kinase A mutant mice. *Behavioural Brain Research*, 143, 57-63.
63. Koh, M. T., Thiele, T. E., & Bernstein, I. L. (2002). Inhibition of protein kinase A activity interferes with the consolidation and reconsolidation of long-term memory of conditioned taste aversions. *Behavioral Neuroscience*, 116, 1070-1074.
64. Thiele, T. E., Koh, M. T., & Pedrazzini, T. (2002). Voluntary alcohol consumption is controlled via the NPY Y1 receptor. *Journal of Neuroscience*, 22, RC 208, 1-6.
65. Lopez-Grancha, M., Navarro, M., Cubero, I., Thiele, T. E., & Bernstein, I. L. (2002). Induction of a brainstem correlate of conditioned taste aversion expression: Role of the pontine parabrachial nucleus. *Behavioral Brain Research*, 131, 205-209.
66. Czachowski, C. L., Slawecki, C. J., Grahame, N. J., Thiele, T. E., & Katner, S. N. (2001). Approaches to understanding the neurobiological regulation of ethanol self-administration: A young investigators forum. *Alcoholism: Clinical & Experimental Research*, 25, 293-298.
67. Roitman, M. F., van Dijk, G., Thiele, T. E., & Bernstein, I. L. (2001). Dopamine mediation of the feeding response to violations of spatial and temporal expectancies. *Behavioral Brain Research*, 122, 193-199.
68. Schafe, G. E., Fitts, D. A., Thiele, T. E., LeDoux, J. E., & Bernstein, I. L. (2000). The induction of c-Fos in NTS following taste aversion learning is not correlated with measures of conditioned fear. *Behavioral Neuroscience*, 114, 99-106.



69. Thiele, T. E., Willis, B., Reynolds, J. G., Bernstein, I. L., & McKnight, G. S. (2000). High ethanol consumption, low acute sensitivity, in protein kinase A-mutant mice. *Journal of Neuroscience*, *20*, RC75, 1-6.
70. Benoit, S. C., Thiele, T. E., Heinrichs, S. C., Rushing, P. A., Blake, K. A., & Seeley, R. J. (2000). Comparison of central administration of corticotropin-releasing hormone and urocortin of food intake, conditioned taste aversion, and c-Fos expression. *Peptides*, *21*, 345-351.
71. Thiele, T. E., Cubero, I., van Dijk, G., Mediavilla, C., & Bernstein, I. L. (2000). Ethanol-induced cFos expression in catecholamine- and neuropeptide Y-producing neurons in rat brainstem. *Alcoholism: Clinical & Experimental Research*, *24*, 802-809.
72. Navarro, M., Spray, K. J., Cubero, I., Thiele, T. E., & Bernstein, I. L. (2000). cFos induction during conditioned taste aversion expression varies with aversion strength. *Brain Research*, *887*, 450-453.
73. Thiele, T. E., Miura, G. I., Marsh, D. J., Bernstein, I. L., & Palmiter, R. D. (2000). Neurobiological responses to ethanol in mutant mice lacking neuropeptide Y or the Y5 receptor. *Pharmacology, Biochemistry, & Behavior*, *67*, 683-691.
74. van Dijk, G., Seeley, R. J., Thiele, T. E., Friedman, M. I., Ji, H., Wilkinson, C. W., Burn, P., Campfield, L. A., Tenenbaum, R., Baskin, D.G., Woods, S. C., & Schwartz, M.W. (1999). Metabolic, gastrointestinal, and CNS neuropeptide effects of brain leptin administration in rat. *American Journal of Physiology*, *276*, R1425-1433.
75. Cubero, I., Thiele, T. E., & Bernstein, I. L. (1999). Insular cortex lesions and taste aversion learning: effects of conditioning method and timing of lesion. *Brain Research*, *839*, 323-330.
76. van Dijk, G. & Thiele, T. E. (1999). Glucagon-like peptide-1 (7-36) amide: A central regulator of satiety and interoceptive stress. *Neuropeptides*, *33*, 406-414.
77. Thiele, T. E., Roitman, M. F., & Bernstein, I. L. (1998). Learned tolerance to ethanol-induced cFos expression in rats. *Behavioral Neuroscience*, *112*, 193-198.
78. Thiele, T. E., van Dijk, G., Yagaloff, K. A., Fisher, S. L., Schwartz, M., Burn, P., & Seeley, R. J. (1998). Central infusion of melanocortin agonist MII in rats: Assessment of cFos expression and taste aversion. *American Journal of Physiology*, *274*, R248-R254.
79. Bell, S. M., Thiele, T. E., Seeley, R. J., Bernstein, I. L., & Woods, S. C. (1998). Effects of food deprivation on conditioned taste aversions in rats. *Pharmacology, Biochemistry, & Behavior*, *60*, 459-466.
80. Thiele, T. E., Seeley, R. J., D'Alessio, D., Eng, J., S. C., Bernstein, I. L., Woods, & van Dijk, G. (1998). Central infusion of GLP-1-(7-36) amide receptor antagonist attenuates lithium chloride-induced c-Fos induction in rat brainstem. *Brain Research*, *801*, 164-170.



81. Bell, S. M., Reynolds, J. G., Thiele, T. E., Gan, J., Figlewicz, D. P., & Woods, S. C. (1998). Effects of third intracerebroventricular injections of corticotropin-releasing factor (CRF) on ethanol drinking and food intake. *Psychopharmacology*, *139*, 128-135.
82. Dess, N. K., Badia-Elder, N. E., Thiele, T. E., Kiefer, S. W., & Blizard, D. A. (1998). Ethanol consumption in rats selectively bred for differential saccharin intake. *Alcohol*, *16*, 275-278.
83. Thiele, T. E., Marsh, D. J., Ste. Marie, L., Bernstein, I. L., and Palmiter, R. D. (1998). Ethanol consumption and resistance are inversely related to neuropeptide Y levels. *Nature*, *396*, 366-369.
84. Schafe, G. E., Thiele, T. E., & Bernstein, I. L. (1998). Conditioning method dramatically alters the role of amygdala in taste aversion learning. *Learning and Memory*, *5*, 481-492.
85. van Dijk, G., Thiele, T. E., Seeley, R. J., Woods, S.C., & Bernstein, I. L. (1997). Glucagon-like peptide-1 and satiety. *Nature*, *385*, 214.
86. Thiele, T. E., Badia-Elder, N. E., Kiefer, S. W., & Dess, N. K. (1997). Continuous intraoral saccharin infusions in high vs. low saccharin-consumption rats. *Physiology & Behavior*, *61*, 149-152.
87. Thiele, T. E., van Dijk, G., Campfield, L. A., Smith, F. J., Burn, P., Woods, S. C., Bernstein, I. L., & Seeley, R. J. (1997). Central infusion of GLP-1, but not leptin, produces conditioned taste aversions in rats. *American Journal of Physiology: Regulatory, Integrative, and Comparative Physiology*, *272*, R726-R730.
88. Roitman, M. F., Schafe, G. E., Thiele, T. E., & Bernstein, I. L. (1997). Dopamine and sodium appetite: Antagonists suppress sham drinking of NaCl solutions in the rat. *Behavioral Neuroscience*, *111*, 606-611.
89. Thiele, T. E., van Dijk, G., & Bernstein, I. L. (1997). Ethanol-induced cFos expression in rat lines selected for low and high alcohol consumption. *Brain Research*, *756*, 278-282.
90. van Dijk, G., Donahey, J. C. K., Thiele, T. E., Scheurink, A. J. W., Steffens, A. B., Wilkinson, C., Tenenbaum, R., Campfield, L. A., Burn, P., Seeley, R. J., & Woods, S. C. (1997). Central leptin stimulates corticosterone secretion at the onset of the dark phase. *Diabetes*, *46*, 1911-1914.
91. Seeley, R. J., Yagaloff, K. A, Fisher, S. L., Burn, P., Thiele, T. E., van Dijk, G., Baskin, D. G., & Schwartz, M. W. (1997). Melanocortin receptors in leptin effects. *Nature*, *390*, 349.
92. Thiele, T. E., Kiefer, S. W., & Badia-Elder, N. E. (1996). Delayed generalization testing produces enhanced alcohol aversions in rats. *Alcohol*, *13*, 201-207.
93. Thiele, T. E., Kiefer, S. W., & Bailey, S. A. (1996). Taste reactivity and consumption measures in the assessment of overshadowing: Modulation of aversive, but not ingestive reactivity. *Psychonomic Bulletin & Review*, *3*, 199-203.
94. Thiele, T. E., Roitman, M. F., & Bernstein, I. L. (1996). c-Fos induction in rat brainstem in response to ethanol- and lithium chloride-induced conditioned taste aversions. *Alcoholism: Clinical & Experimental Research*, *20*, 1023-1028.



95. van Dijk, G., Thiele, T. E., Donahey, J. C. K., Campfield, L. A., Smith, F. J., Burn, P., Bernstein, I. L., Woods, S. C., & Seeley, R. J. (1996). Central infusion of leptin and GLP-1-(7-36) amide differentially stimulate c-Fos-like immunoreactivity in the rat brain. *American Journal of Physiology: Regulatory, Integrative, and Comparative Physiology*, 271, R1096-R1100.
96. Thiele, T. E., & Frieman, J. (1994). Taste potentiated color aversions in pigeons: Examination of CS preexposure and subsequent effects on postconditioning extinction of the taste aversion. *Animal Learning & Behavior*, 22, 436-441.

REFEREED PUBLISHED ABSTRACTS

1. Companion, M. A. & Thiele, T. E. (2017). Mapping of GABAergic projections stemming from the CeA in vGat-ires-cre mice as possible targets in alcohol research. *Alcoholism: Clinical & Experimental Research*, 41, 20A.
2. Robinson, S. L. & Thiele, T. E. (2017). The medial prefrontal cortex corticotropin-releasing factor (CRF) system modulates binge-like ethanol intake. *Alcoholism: Clinical & Experimental Research*, 41, 108A.
3. Marshall, S. A., Robinson, S. L., Ebert, S. E., & Thiele, T. E. (2017). Chemogenetic inhibition of corticotropin-releasing factor neurons in the central amygdala blunts binge-like ethanol consumption in mice. *Alcoholism: Clinical & Experimental Research*, 41, 109A.
4. Burnham, N. W. & Thiele, T. E. (2017). Lateral hypothalamus alpha1-adrenergic receptor agonism blunts binge-like ethanol intake without altering anxiety or locomotor activity in mice. *Alcoholism: Clinical & Experimental Research*, 41, 200A.
5. Marshall, S. A., Singley, R. A., Lysle, D. T., & Thiele, T. E. (2016). Manipulation of astrocytes via DREADDs in the basolateral amygdala modulates ethanol consumption. *Alcoholism: Clinical & Experimental Research*, 40, 24A.
6. Casachahua, J. D., Marshall, S. A., Robinson, S. L., Lysle, D. T., & Thiele, T.E. (2016). Interleukin-6 inhibition in the central amygdala reduces binge-like ethanol consumption. *Alcoholism: Clinical & Experimental Research*, 40, 81A.
7. Robinson, S. L. & Thiele, T. E. (2016). Mapping of extended amygdalar corticotropin-releasing factor (CRF) efferent projections in the CRF-cre and CRH-cre mouse strains. *Alcoholism: Clinical & Experimental Research*, 40, 138A.
8. Burnham, N W. & Thiele, T. E. (2016). DREADD-induced activation of the noradrenergic A2 regions reduces binge-like ethanol intake without altering anxiety or locomotor activity in mice. *Alcoholism: Clinical & Experimental Research*, 40, 149A.
9. Singley, R. A., Marshall, S. A., Lysle, D. T., & Thiele, T. E. (2016). Binge-like ethanol consumption has not effect on astrocyte activation in the amygdala of C57BL/6J mice. *Alcoholism: Clinical & Experimental Research*, 40, 151A.



10. Companion, M. A. & Thiele, T. E. (2016). Assessment of ventral tegmental area-projecting GABAergic neurons from the bed nucleus of the stria terminalis in modulating binge-like ethanol intake. *Alcoholism: Clinical & Experimental Research*, 40, 189A.
11. Marshall, S. A., Rinker, J. A., Casachahua, J. D., Lysle, D. T., & Thiele, T. E. (2015). IL-1 receptor antagonism in the basolateral amygdala but not the central amygdala reduces binge-like ethanol intake of C57BL/6J mice. *Alcoholism: Clinical & Experimental Research*, 39, 239A.
12. Rinker, J. A., Pleil, K. E., Kash, T. L., & Thiele, T. E. (2015). Neuropeptide Y Y1 receptor signaling in BNST-projecting neurons of the central amygdala modulates binge-like ethanol consumption. *Alcoholism: Clinical & Experimental Research*, 39, 235A.
13. Rinker, J. A., Gulati, V., Marshall, S. A., Mazzone, C. M., Lowery-Gionta, E. G., Navarro, M., Kash, T. L., & Thiele, T. E. (2015). Intra-VTA CRF signaling modulates binge-like alcohol consumption: Examination of the role of the bed nucleus of the stria terminalis and CRF-2 receptors. *Alcoholism: Clinical & Experimental Research*, 39, 235A.
14. Olney, J. J., Rinker, J. A., Navarro, M., & Thiele, T. E. (2015). Inhibition of the OX-1 receptor in the ventral tegmental area selectively protects against binge-like ethanol consumption. *Alcoholism: Clinical & Experimental Research*, 39, 234A.
15. Casachahua, J. D., Marshall, S. A., Lysle, D. T., & Thiele, T. E. (2015). Binge-like ethanol consumption promotes site-specific increases in central interleukin-6 expression. *Alcoholism: Clinical & Experimental Research*, 39, 125A.
16. Burnham, N. W. & Thiele, T. E. (2015). Voluntary binge-like ethanol intake site-specifically increases c-fos immunoexpression in C57BL/6J mice. *Alcoholism: Clinical & Experimental Research*, 39, 122A.
17. Marshall, S. A., Rinker, J. A., Harrison, L. K., Fletcher, C. A., Herfel, T. M, & Thiele, T. E. (2015). An assessment of the effects of six different standard rodent chows on binge-like and voluntary ethanol consumption in male C57BL/6J mice. *Alcoholism: Clinical & Experimental Research*, 39, 112A.
18. Marshall, S. A., Rinker, J. A., Casachahua, J. D., Lysle, D. T., & Thiele, T. E. (2014). IL-1 receptor antagonism in the basolateral amygdala reduces binge-like ethanol intake of C57BL/6J mice. *Society for Neuroscience Abstracts, Online*.
19. Navarro, M., Lowery-Gionta, E. G., Pleil, K. E., Kash, T. L., & Thiele, T. E. (2014) Role of GABA signaling in the lateral hypothalamus of C57BL/6J mice in binge-like ethanol intake and food consumption. *Alcoholism: Clinical & Experimental Research*, 38, 6A.
20. Casachahua, J. D., Marshall, S. A., Rinker, J. A., Lebonville, C. L., Lysle, D. T., & Thiele, T. E. (2014). Binge-like ethanol consumption promotes site-specific increases in central interleukin-1 β expression. *Alcoholism: Clinical & Experimental Research*, 38, 20A.



21. Marshall, S. A., Casachahua, J. D., Lysle, D. T., & Thiele, T. E. (2014). IL-1 β immunoreactivity is increased in the amygdala and hippocampus of C57BL/6J mice with a history of binge-like ethanol intake. *Alcoholism: Clinical & Experimental Research*, 38, 21A.
22. Rinker, J. A., Gulati, V., Lowery-Gionta, E. G., Navarro, M., & Thiele, T. E. (2014). Intra-ventral tegmental area corticotropin-releasing factor type 1 receptor (CRF1R) blockade or CRF2R activation blunts binge-like ethanol consumption. *Alcoholism: Clinical & Experimental Research*, 38, 84A.
23. Mersmann, M. G., Thomas, R., Kash, T. L., & Thiele, T. E. (2014). Assessment of sweet and bitter taste preference and depression-like behavior following repeated cycles of binge-like ethanol drinking in C57BL/6J mice. *Alcoholism: Clinical & Experimental Research*, 38, 166A.
24. Olney, J. J., Navarro, M., Knapp, D. J., & Thiele, T. E. (2014). Assessment of binge-like ethanol consumption in "OX-CRE" mice using a designer receptor exclusively activated by designer drugs (DREADD) approach. *Alcoholism: Clinical & Experimental Research*, 38, 227A.
25. Pleil, K. E., Lowery-Gionta, E. G., Rinker, J. A., McCall, N. M., Sprow, G. M., Olsen, D. P., Mazzone, C. M., Lowell, B. B., Grant, K. A., Thiele, T. E., & Kash, T. L. (2014). NPY signaling inhibits extended amygdala CRF neurons to suppress binge alcohol drinking. *Alcoholism: Clinical & Experimental Research*, 38, 296A.
26. Olney, J. J., Sprow, G. M., Navarro, M., & Thiele, T. E. (2013). Implications of the melanocortin system in binge-like ethanol intake: A possible role for the melanocortin-3 receptor as an inhibitory autoreceptor. *Alcoholism: Clinical & Experimental Research*, 37, 70A.
27. Carlson, S. L., Jaramillo, A. A., O'Buckley, T. K., Thomas, R. T., Thiele, T. E., & Morrow, A. L. (2013). Mice lacking the RII β subunit of PKA show altered constitutive and ethanol-induced regulation of GABA-A receptors. *Alcoholism: Clinical & Experimental Research*, 37, 187A.
28. Sprow, G. M., Lowery-Gionta, E. G., Sparrow, A. M., Navarro, M., & Thiele, T. E. (2013). Lateral hypothalamic melanocortin (MC) receptor signaling modulates binge-like ethanol consumption in male C57BL/6J mice. *Alcoholism: Clinical & Experimental Research*, 37, 230A.
29. Cox, B. R., Rinker, J. A., Sprow, G. M., Olney, J. J., Kash, T. L., & Thiele, T. E. (2013). Effects of repeated binge-like ethanol consumption on ethanol intake, blood ethanol levels, and central gene expression in C57BL/6J mice. *Alcoholism: Clinical & Experimental Research*, 37, 244A.
30. Pleil, K. E., Lowery-Gionta, E. G., Sprow, G., McCall, N. M., Lopez, A., Thiele, T. E., & Kash, T. L. (2013). Chronic binge ethanol drinking dysregulates neuropeptide Y signaling in the extended amygdala. *Alcoholism: Clinical & Experimental Research*, 37, 244A.
31. Rinker, J. A., Sprow, G. M., Kash, T. L., & Thiele, T. E. (2013). Activation of neuropeptide Y Y1 receptors in the central and basolateral amygdala protects against binge-like ethanol consumption in C57BL/6J mice. *Alcoholism: Clinical & Experimental Research*, 37, 245A.



32. Wilcox, M. V., Sherazee, N., Sprow, G. M., Cuzon-Carlson, V. C., Bock, R., Lovinger, D. M., Thiele, T. E., & Alvarez, V. A. (2013). Ethanol drinking pattern during a mouse model of binge-like ethanol drinking and the state of striatal glutamatergic synapses. *Alcoholism: Clinical & Experimental Research*, 37, 274A.
33. Navarro, N., Picker, M. J., & Thiele, T. E. (2012). A low dose of the melanocortin agonist MTII synergistically augments naltrexone-induced attenuation of binge-like ethanol drinking in C57BL/6J mice. *Alcoholism: Clinical & Experimental Research*, 36, 265A.
34. Pleil, K. E., Lowery-Gionta, E. G., Li, C., Thiele, T. E., & Kash, T. L. (2012). Receptor-specific effects of binge-like ethanol drinking on NPY modulation of synaptic transmission in the extended amygdala. *Alcoholism: Clinical & Experimental Research*, 36, 264A.
35. Olney, J., & Thiele, T. E. (2012). Mutant mice lacking the Riis subunit of PKA exhibit altered DARPP-32 activity in the striatum and nucleus accumbens. *Alcoholism: Clinical & Experimental Research*, 36, 257A.
36. Sprow, G. M., Rinker, J. A., Navarro, N., & Thiele, T. E. (2012). Assessment of post-translational histone modifications following ethanol-induced locomotor sensitization in DBA/2J mice. *Alcoholism: Clinical & Experimental Research*, 36, 183A.
37. Rinker, J. A., Bomze, H. M., Covington III, H. E., Thiele, T. E., & Navarro, N. (2012). Binge-like ethanol consumption suppresses dimethylation of H3K9 selectively in the nucleus accumbens, but not the amygdala or ventral tegmental area. *Alcoholism: Clinical & Experimental Research*, 36, 182A.
38. Cox, B. R., & Thiele, T. E. (2012). Assessment of phenotypes characteristic of models of dependence in C57BL/6J mice with a prior history of binge-like ethanol drinking. *Alcoholism: Clinical & Experimental Research*, 36, 111A.
39. Olney, J., Sprow, G. M., & Thiele, T. E. (2012). The melanocortin (MC) receptor agonist, melanotan-II, blunts binge-like ethanol drinking in mice via the MC-4 receptor (MC4R). *Society for Neuroscience Abstracts*, Online.
40. Sprow, G. M., & Thiele, T. E. (2012). Melanocortin receptor signaling in the lateral hypothalamus modulates binge-like ethanol consumption in C57BL/6J mice. *Society for Neuroscience Abstracts*, Online.
41. Rinker, J. A., Lowery-Gionta, E. G., & Thiele, T. E. (2012). Binge-like ethanol consumption alters corticotropin-releasing factor signaling in the ventral tegmental area of C57BL/6J mice. *Society for Neuroscience Abstracts*, Online.
42. Carlson, S. L., O'Buckley, T. K., Thomas, R., Thiele, T. E., & Morrow, A. L. (2012). Mutant mice lacking the Riis subunit of PKA show enhanced vulnerability to acute and chronic ethanol-induced GABAergic adaptations. *Society for Neuroscience Abstracts*, Online.
43. Pleil, K. E., Lowery-Gionta, E. G., Thiele, T. E., & Kash, T. L. (2012). Effects of binge ethanol drinking on neuropeptide Y modulation of inhibition in the bed nucleus of the stria terminalis. *Society for Neuroscience Abstracts*, Online.



44. Lowery, E. G., Thiele, T. E., & Kash, T. L. (2012). Neuropeptide Y Y1 receptors in the bed nucleus of the stria terminalis modulate binge-like ethanol consumption by C57BL/6J mice. *Society for Neuroscience Abstracts, Online*.
45. Pleil, K. E., Lowery, E. G., Sparrow, A. M., Jijon, A.M., Bravo, J. P., Thiele, T. E., & Kash, T. L. (2011). Receptor-specific effects of chronic stress and binge-like ethanol drinking on neuropeptide Y signaling in the extended amygdala. *Society for Neuroscience Abstracts, Online*.
46. Sherazee, N., Sprow, G., Bock, R., Thiele, T. E., & Alvarez, V. A. (2011). Morphological changes of dendritic spines of medium spiny neurons in a mouse model of binge-like ethanol drinking. *Society for Neuroscience Abstracts, Online*.
47. Thiele, T. E., Lyons, A. M., & Lowery, E. G. (2011). CRF1R antagonists and NPY agonists protect against binge-like ethanol drinking in non-dependent mice but fail to influence low ethanol intake. *Alcoholism: Clinical & Experimental Research, 35*, 288A.
48. Pleil, K. E., Lowery, E. G., Jijon, A. M., C. J., Li, J., Pena, Thiele, T. E., & Kash, T. L. (2011). Chronic stress and binge-like ethanol drinking differentially impact neuropeptide Y signaling in the bed nucleus of the stria terminalis. *Alcoholism: Clinical & Experimental Research, 35*, 59A.
49. Lowery, E. G., Li, C., Pleil, K. E., Cox, B., Navarro, M., Sprow, G. M., Lyons, A. M., Kash, T. L., & Thiele, T. E. (2011). Binge-like ethanol consumption recruits CRF signaling in the central nucleus of the amygdala. *Alcoholism: Clinical & Experimental Research, 35*, 68A.
50. Navarro, M., & Thiele, T. E. (2011). Decreased immunoreactivity of the pro-protein convertases 1/3 and 2 and pro-opiomelanocortin after chronic ethanol exposure. *Alcoholism: Clinical & Experimental Research, 35*, 70A.
51. Lyons, A. M., & Thiele, T. E. (2011). The effects of amygdalar neuropeptide Y (NPY) signaling on binge-like ethanol drinking in C57BL/6J mice. *Alcoholism: Clinical & Experimental Research, 35*, 245A.
52. Sprow, G. M., Lowery, E. G., Lyons, A. M., Navarro, M., & Thiele, T. E. (2011). Repeated binge-like ethanol intake in C57BL/6J mice leads to decreased α -MSH immunoreactivity (IR) and increased AgRP in key brain regions. *Alcoholism: Clinical & Experimental Research, 35*, 246A
53. Thiele, T. E. (2011). CRF1R antagonists and NPY agonists protect against binge-like ethanol drinking in C57BL/6J mice but fail to influence low ethanol intake. *Appetite, 57S*, S43.
54. Alvarez, V. A., Cuzon-Carlson, V. C., Sherazee, N., Seabold, G. K., Sprow, G., Helms, C., Thiele, T., Lovinger, D. M., & Grant, K. A. (2011). Morphological and functional changes at striatal synapses after prolonged ethanol self-administration in monkeys and rodents. *Alcohol, 45*, 281.
55. Thiele, T. E. & Lowery, E. G. (2011). The role of corticotropin releasing factor (CRF)-1 and CRF-2 receptors in binge-like ethanol drinking. *Alcohol, 45*, 283.



56. Sprow, G. M., Sherazee, N. A., Kramer, P.F., Thiele, T. E., & Alvarez, V. A. (2010). Morphological analysis of dendrites and dendritic spines of medium spiny neurons in a mouse model of binge-like ethanol drinking. *Society for Neuroscience Abstracts, Online*.
57. Lowery, E. G., Navarro, M., Lyons, A. M., & Thiele, T. E. (2010). CRF-1 receptor antagonists protect against binge-like ethanol consumption by C57BL/6J mice. *Alcoholism: Clinical & Experimental Research, 34*, 143A.
58. Lyons, A. M., Navarro, M., Lowery, E. G., & Thiele, T. E. (2010). The effects of neuropeptide Y (NPY) Y1 receptor signaling on binge-like ethanol drinking in C57BL/6J mice. *Alcoholism: Clinical & Experimental Research, 34*, 144A.
59. Navarro, M., Lerma-Cabrera, J. M., Carvajal, F., Lowery, E. G., Cubero, I., & Thiele, T. E. (2010). Central, but not peripheral, administration of melanocortin (MC) receptor agonists require the MC-4 receptor to reduce ethanol intake. *Alcoholism: Clinical & Experimental Research, 34*, 15A.
60. Sprow, G. M. & Thiele, T. E. (2010). Peripheral administration of trichostatin A augments ethanol-induced locomotor sensitization in DBA/2J mice. *Alcoholism: Clinical & Experimental Research, 34*, 13A.
61. Thiele, T. E. & Lyons, A. M. (2010). A role for neuropeptide Y (NPY) signaling in the modulation of binge-like ethanol drinking in C57BL/6J mice. *Alcoholism: Clinical & Experimental Research, 34*, 276A.
62. Sprow, G. M. & Thiele, T. E. (2009). Evidence for epigenetic mechanisms in ethanol-induced locomotor sensitization in DBA/2J mice. *Society for Neuroscience Abstracts, Online*.
63. Lowery, E. G., Navarro, M., Lyons, A., & Thiele, T. E. (2009). Activation of central corticotropin-releasing factor type 2 receptors (CRF2R) attenuates high levels of ethanol consumption associated with “drinking in the dark” procedures. *Society for Neuroscience Abstracts, Online*.
64. Sprow, G. M. & Thiele, T. E. (2009). Assessment of histone acetylation in the striatum and nucleus accumbens following ethanol-induced locomotor sensitization in DBA/2J mice. *Alcoholism: Clinical & Experimental Research, 33*, 215A.
65. Navarro, M., Cubero, I., Ko, L. & Thiele, T. E. (2009). Deletion of agouti-related protein protects against binge-like ethanol drinking in C57BL/6J mice. *Alcoholism: Clinical & Experimental Research, 33*, 145A.
66. Lyons, A. M., Navarro, M., Lowery, E. G., & Thiele, T. E. (2009). The effects of stress and neuropeptide Y (NPY) signaling on binge-like ethanol drinking in C57BL/6J mice. *Alcoholism: Clinical & Experimental Research, 33*, 95A.
67. Lowery, E. G., Spanos, M., Navarro, M., Lyons, A. M., Hodge, C. W., & Thiele, T. E. (2009). Extrahypothalamic corticotropin-releasing factor maintains high levels of ethanol consumption associated with “drinking in the dark” procedures. *Alcoholism: Clinical & Experimental Research, 33*, 95A.
68. Thiele, T. E., Lowery, E. G., Sparta, D. R., & Lyons, A. M. (2009). A role for CRF-1 receptor signaling in excessive ethanol intake. *Alcoholism: Clinical & Experimental Research, 33*, 277A.



69. Hayes, D. M., McCown, T. J., Knapp, D. J., Breese, G. R., & Thiele, T. E. (2009). Neuropeptide Y in the nucleus accumbens core modulates ethanol-induced locomotor activity: A role for NPY Y2 receptors. *Alcoholism: Clinical & Experimental Research*, 33, 145A.
70. Knapp, D. H., Navarro, M., Huang, M., Wills, T. A., Overstreet, D. H., Thiele, T. E. & Breese, G. R. (2008). α -MSH prevents sensitization of withdrawal-induced anxiety-like behavior induced by the lipopoly-saccharide (LPS)/ethanol withdrawal. *Alcoholism: Clinical & Experimental Research*, 32, 80A.
71. Thiele, T. E., Knapp, D. J., Navarro, M., Overstreet, D. H., Breese, G. R., & McCown, T. J. (2008). Amygdalar transduction by a rAAV vector causing constitutive secretion of NPY blocks the alcohol deprivation effect and anxiety-like behavior in Alcohol Preferring P rats. *Alcoholism: Clinical & Experimental Research*, 32, 81A.
72. Sparrow, A. M., Lowery, E. G., & Thiele, T. E. (2008). NPY Y1 receptor knockout mice show increased sensitivity to stress-induced increases of ethanol intake and withdrawal-induced anxiety-like behavior. *Alcoholism: Clinical & Experimental Research*, 32, 33A.
73. Navarro, M., Cubero, I., & Thiele, T. E. (2008). Mutant mice lacking normal production of agouti-related protein (AgRP) show reduced operant self-administration and consumption of ethanol. *Alcoholism: Clinical & Experimental Research*, 32, 147A.
74. Lowery, E. G., Sparrow, A. M. & Thiele, T. E. (2008). The effects of stress on ethanol consumption in Balb/cJ, DBA/2J, and C57BL/6J mice. *Alcoholism: Clinical & Experimental Research*, 32, 32A.
75. Hayes, D. M., McCown, T. J., Fee, J. R., Breese, G. R., Knapp, D. J., & Thiele, T. E. (2008). Elevated NPY in the nucleus accumbens core augments sensitivity to ethanol-induced locomotor activity in inbred DBA/2J mice. *Alcoholism: Clinical & Experimental Research*, 32, 93A.
76. Cubero, I., Navarro, M., & Thiele, T. E. (2008). Assessment of basal and ethanol-induced alterations of α -MSH and AgRP immunoreactivity in low and high ethanol consuming inbred strains of mice. *Alcoholism: Clinical & Experimental Research*, 32, 78A.
77. Sparrow, A. M., Lowery, E. G., & Thiele, T. E. (2007). Amygdalar neuropeptide Y (NPY) signaling modulates stress-induced reductions of food intake in Balb/cJ mice. *Society for Neuroscience Abstracts*, Online.
78. Lowery, E. G., Sparrow, A. M., Breese, G. R., Knapp, D. J., & Thiele, T. E. (2007). The CRF-1 receptor antagonist, CP-154,526, attenuates stress-induced increases in ethanol consumption in BALB/CJ, but not C57BL/6N, mice. *Society for Neuroscience Abstracts*, Online.
79. Thiele, T. E., Knapp, D. J., Overstreet, D. H., Navarro, M., Breese, G. R., & McCown, T. J. (2007). Amygdalar transduction by a rAAV vector causing constitutive secretion of NPY blocks the alcohol deprivation effect and anxiety-like behavior in Alcohol Preferring P rats. *Society for Neuroscience Abstracts*, Online.
80. Sparta, D. R., Lowery, E. G., Sparrow, A. M., Fee, J. R., Knapp, D. J., & Thiele, T. E. (2007). High ethanol intake associated with drinking in the dark (DID) procedures is attenuated by a CRF-1 receptor antagonist in C57BL/6J mice. *Alcoholism: Clinical & Experimental Research*, 31, 138A.



81. Sparrow, A. M., Lowery, E. G., Sparta, D. R., & Thiele, T. E. (2007). Assessment of food availability on ethanol consumption with drinking in the dark (DID) procedures. *Alcoholism: Clinical & Experimental Research*, 31, 211A.
82. Navarro, M., Cubero, I., Knapp, D. J., Breese, G. R., & Thiele, T. E. (2007). Continuous exposure to an ethanol diet reduces hypothalamic expression of the melanocortin neuropeptide, alpha-MSH, in Sprague-Dawley rats. *Alcoholism: Clinical & Experimental Research*, 31, 200A.
83. Lowery, E. G., Sparrow, A. M., Breese, G. R., Knapp, D. J., & Thiele, T. E. (2007). The CRF-1 receptor antagonist, CP-154,526, attenuates stress-induced increases in ethanol consumption in Balb/cJ, but not C57BL/6N, mice. *Alcoholism: Clinical & Experimental Research*, 31, 208A.
84. Fee, J. R., Sparta, D. R., Picker, M. J., & Thiele, T. E. (2007). The CRF type-1 receptor antagonist, CP-154,526, attenuates the expression of ethanol-induced locomotor sensitization in DBA/2J mice. *Alcoholism: Clinical & Experimental Research*, 31, 148A.
85. Hayes, D. M., & Thiele, T. E. (2007). Assessment of ethanol consumption following site-directed infusion of a neuropeptide Y-saporin neurotoxin in C57BL/6J mice. *Alcoholism: Clinical & Experimental Research*, 31, 87A.
86. Carvajal, F., Cubero, I., Navarro, M., Sanchez-Amate, M. C., & Thiele, T. E. (2007). A melanocortin (MC)-4 receptor antagonist increases ethanol, but not food, intake when infused into the nucleus accumbens and hypothalamus. *Alcoholism: Clinical & Experimental Research*, 31, 199A.
87. Cubero, I., Navarro, M., & Thiele, T. E. (2007). Chronic ethanol consumption triggers alterations of food intake and body weight in mutant mice lacking AgRP. *Alcoholism: Clinical & Experimental Research*, 31, 199A.
88. Zammit, C. J., Ijames, S., Thiele, T. E., & Lysle D. T. (2007). Ethanol-induced hypothermia: Evidence for the involvement of neuropeptide Y. *SNIP*, 10.
89. Thiele, T. E., Hayes, D. M., Knapp, D. J., Breese, G. R., & McCown, T. J. (2006). Adeno-associated NPY viral vector transduction in the nucleus accumbens and amygdala alters ethanol sensitivity in mice. *Alcoholism: Clinical & Experimental Research*, 30, 280A.
90. Sparta, D. R., Ferraro, F. M., Fee, J. R., & Thiele, T. E. (2006). Operant self-administration reveals the alcohol deprivation effect (ADE) in C57BL/6J mice. *Alcoholism: Clinical & Experimental Research*, 30, 27A.
91. Navarro, M., Knapp, D. J., Breese, G. R., & Thiele, T. E. (2006). Chronic exposure to an ethanol diet reduces hypothalamic expression of the melanocortin neuropeptide, alpha-MSH, in Wistar rats. *Alcoholism: Clinical & Experimental Research*, 30, 129A.
92. Ko, L. H., Ferraro, F. M., Sparta, D. R., Navarro, M., Knapp, D. J., & Thiele, T. E. (2006). High sucrose preference and low basal anxiety-like behavior are predictors of increased ethanol consumption in three inbred strains of mice. *Alcoholism: Clinical & Experimental Research*, 30, 124A.
93. Hayes, D. M., Trado, E. C., Ferraro, F. M., Sparta, D. R., Knapp, D. J., McCown, T. J., Breese, G. R., & Thiele, T. E. (2006). Alteration of ethanol consumption and sensitivity in response to recombinant adeno-associated



- viral vector mediated NPY expression and secretion in the nucleus accumbens and the amygdala of mice. *Alcoholism: Clinical & Experimental Research*, 30, 134A.
94. Ferraro, F. M., Sparta, D. R., & Thiele, T. E. (2006). Procedures that reinstate ethanol-seeking behavior in C57BL/6J mice: Importance of ethanol priming injections. *Alcoholism: Clinical & Experimental Research*, 30, 27A.
95. Fee, J. R., Knapp, D. J., Sparta, D. R., Breese, G. R., Picker, M. J., & Thiele, T. E. (2006). Differences in the ability of ethanol and restraint stress to induce long-term ethanol-induced locomotor sensitization in DBA/2J mice. *Alcoholism: Clinical & Experimental Research*, 30, 82A.
96. Thiele, T. E., Navarro, M., Cubero, I., Knapp, D. J., & Breese, G. R. (2005). Neuropeptide Y and Melanocortin Neuropeptides Regulate Alcohol Intake and Feeding: Are Overlapping Pathways Involved? *Neuropsychopharmacology*, 30, S29.
97. Ferraro, F. M., Sparta, D. R., Knapp, D. J., Breese, G. R., & Thiele, T. E. (2005). Reduced operant self-administration of sucrose and ethanol in mice lacking the RII β subunit of protein kinase A (PKA). *Alcoholism: Clinical & Experimental Research*, 29, 9A.
98. Sparta, D. R., Ferraro, F. M., Fee, J. R., MacNeil, D. J., & Thiele, T. E. (2005). Effects of selective neuropeptide Y1 and Y5 antagonists on operant ethanol self-administration by non-dependent C57BL/6J mice. *Alcoholism: Clinical & Experimental Research*, 29, 11A.
99. Hayes, D. M. & Thiele, T. E. (2005). Assessment of ethanol-induced c-fos and NPY mRNA levels in mutant mice lacking the RII β subunit of PKA. *Alcoholism: Clinical & Experimental Research*, 29, 14A.
100. Fee, J. R., Knapp, D. J., Sparta, D. R., Breese, G. R., Picker, M. J., & Thiele, T. E. (2005). Enhanced sensitivity to ethanol-induced locomotor sensitization in protein kinase A mutant mice. *Alcoholism: Clinical & Experimental Research*, 29, 145A.
101. Ferraro, F. M., Navarro, M., Cubero, I., Hayes, D. M., Knapp, D. J., Breese, G. R., Marsh, D. J., & Thiele, T. E. (2004). Increased ethanol-induced locomotor activity in melanin-concentrating hormone 1-receptor deficient mice. *Society for Neuroscience Abstracts online*.
102. Fee, J. R., Sparta, D. R., Knapp, D. J., Breese, G. R., Picker, M. J., & Thiele, T. E. (2004). Is anxiety-like behavior a predictor of heightened ethanol consumption in RII β knockout mice? *Society for Neuroscience Abstracts online*.
103. Sparta, D. R., Fee, J. R., Navarro, M., Hayes, D. M., Ferraro III, F. M., & Thiele, T. E. (2004). The effects of acute and chronic central NPY infusion on ethanol intake by C57BL/6J mice. *Society for Neuroscience Abstracts online*.
104. Hayes, D. M., Knapp, D. J., Breese, G. R., & Thiele, T. E. (2004). Comparison of basal neuropeptide Y and corticotropin-releasing factor levels in select brain regions between the high ethanol drinking C57BL/6J and low ethanol drinking DBA/2J strains of mice. *Society for Neuroscience Abstracts online*.



105. Navarro, M., Cubero, I., Knapp, D. J., & Thiele, T. E. (2004). Central infusion of AgRP-(83-132) or HS014, melanocortin receptor antagonists, increase ethanol intake by mice. *Alcoholism: Clinical & Experimental Research*, 28, 56A.
106. Fee, J. R., Sparta, D. R., Knapp, D. J., Breese, G. R., Picker, M. J., & Thiele, T. E. (2004). Dissociation between ethanol-, ketamine-, and pentobarbital-induced sedation in protein kinase A mutant mice. *Alcoholism: Clinical & Experimental Research*, 28, 54A.
107. Sparta, D. R., Fee, J. R., Hayes, D. M., Knapp, D. J., Breese, G. R., MacNeil, D. J., & Thiele, T. E. (2004). Effects of a selective neuropeptide Y Y1 receptor antagonist on ethanol consumption and food intake. *Alcoholism: Clinical & Experimental Research*, 28, 54A.
108. Hayes, D. M., Knapp, D. J., Breese, G. R., & Thiele, T. E. (2004). Comparison of basal NPY levels between the high ethanol drinking C57BL/6J and low ethanol drinking DBA/2J strains of mice. *Alcoholism: Clinical & Experimental Research*, 28, 54A.
109. Sparta, D. R., Fee, J. R., Breese, G. R., Overstreet, D. H., Knapp, D. J., & Thiele, T. E. (2003). Increased ethanol withdrawal anxiety in neuropeptide Y (NPY) knockout mice is associated with c-Fos expression in the hippocampus. *Society for Neuroscience Abstracts online*.
110. Fee, J. R., Sparta, D. R., & Thiele, T. E. (2003). High ethanol consumption in protein kinase A mutant mice is correlated with high basal anxiety. *Alcoholism: Clinical & Experimental Research*, 27, 51A.
111. Sparta, D. R., Fee, J. R., Breese, G. R., Overstreet, D. H., Knapp, D. J., & Thiele, T. E. (2003). Mutant mice lacking neuropeptide Y exhibit increased anxiety following ethanol withdrawal. *Alcoholism: Clinical & Experimental Research*, 27, 126A.
112. Fee, J. R., Sparta, D. R., Knapp, D. J., Breese, G. R., & Thiele, T. E. (2003). Protein kinase A mutant mice display enhanced sensitivity to the locomotor activational effects of ethanol. *Alcoholism: Clinical & Experimental Research*, 27, 51A.
113. Sparta, D. R., Fee, J. R., & Thiele, T. E. (2003). Peripheral administration of neuropeptide Y Y2 receptor agonist PYY (3-36) increases ethanol consumption in mice. *Alcoholism: Clinical & Experimental Research* 27, 127A.
114. Navarro, N., Cubero, I., & Thiele, T. E. (2003). Central infusion of melanocortin antagonist AgRP-(83-132) blocks agonist-induced reduction of voluntary ethanol consumption. *Alcoholism: Clinical & Experimental Research*, 27, 126A.
115. Navarro, M., Cubero, I., & Thiele, T. E. (2002). Central infusion of melanocortin agonist MTII reduces voluntary consumption of ethanol in C57BL/6 mice. *Alcoholism: Clinical & Experimental Research*, 26, 105A.
116. Thiele, T. E., & Badia-Elder, N. E. (2002). The relationship between neuropeptide Y (NPY) and ethanol-related behaviors in mutant mice lacking specific NPY receptor and in rats selectively bred for alcohol preference. *Appetite*, 39, 102.



117. Koh, M., Thiele, T. E., & Bernstein, I. L. (2001). Inhibition of protein kinase A activity attenuates long-term memory of conditioned taste aversions. *Society for Neuroscience Abstracts online*.
118. Kaiyala, K. J., Thiele, T. E., Watson, C. H., & Ramsay, D. S. (2001). Nitrous Oxide-Induced c-Fos Expression in the Rat Brain. *Society for Neuroscience Abstracts online*.
119. Thiele, T. E., Miura, G., & Palmiter, R. D. (2000). Enhanced ethanol-induced locomotor activity in mutant mice lacking neuropeptide Y (NPY). *Alcoholism: Clinical & Experimental Research*, 24, 97A.
120. Thiele, T. E., Naveilhan, P., & Ernfors, P. (2000). Mutant mice lacking the Y2 neuropeptide Y (NPY) receptor consume less ethanol than wild-type mice. *Alcoholism: Clinical & Experimental Research*, 24, 97A.
121. Thiele, T. E. & Pedrazzini, T. (2001). Mutant mice lacking the Y1 neuropeptide Y (NPY) receptor consume more ethanol than wild-type mice. *Alcoholism: Clinical & Experimental Research*, 25, 119A.
122. Clarke, S. N. D., Halsell, C. B., Thiele, T. E., & Bernstein, I. L. (2000). Impaired CTA learning in protein kinase A mutant mice. *Society for Neuroscience Abstracts online*.
123. Roitman, M. F., Thiele, T. E., Bernstein, I. L., & van Dijk, G. (1999). Conditioned over-eating and its neurochemical basis. *Society for Neuroscience Abstracts*, 25, 1883.
124. Thiele, T. E., Bernstein, I. L., & Palmiter, R. D. (1999). The effects of neuropeptide Y (NPY) on ethanol consumption are not mediated by the Y5 receptor. *Alcoholism: Clinical & Experimental Research*, 23, 61A.
125. Rushing, P. A., Benoit, S. C., Blake, K. A., Thiele, T., Heinrichs, S. C., Woods, S. C., & Seeley, R. J. (1999). Comparison of centrally administered CRH and urocortin on food intake, taste aversion, and c-Fos expression. *Society for Neuroscience Abstracts*, 25, 859.
126. Reynolds, J. G., McKnight, G. S., & Thiele, T. E. (1999). Increased ethanol consumption in mutant mice lacking the RII-beta subunit of protein kinase A (PKA). *Alcoholism: Clinical & Experimental Research*, 23, 94A.
127. Seeley, R. J., Thiele, T. E., van Dijk, G., Blake, K., Yagaloff, K., Fisher, S., Burn, P., Bernstein, I. L., & Schwartz, M. W. (1997). Reduced food intake and body weight, taste aversions and cFos expression produced by central administration of the melanocortin receptor agonist, MTII. *Society for Neuroscience Abstracts*, 23, 575.
128. Thiele, T. E., Bell, S. M., Carr, L. G., Li, T-K., Palmiter, R. D., & Bernstein, I. L. (1998). Mutant mice lacking neuropeptide-Y (NPY) consume more ethanol relative to wild-type mice. *Alcoholism: Clinical & Experimental Research*, 22, 55A.
129. Thiele, T. E., Palmiter, R. D., & Bernstein, I. L. (1998). Increased ethanol consumption and reduced sensitivity to the sedative/hypnotic effects of ethanol in mice lacking neuropeptide-Y (NPY). *Society for Neuroscience Abstracts*, 24, 1983.
130. Thiele, T. E., van Dijk, G., & Bernstein, I. L. (1997). Ethanol-induced cFos expression in rat lines selected for low and high alcohol consumption. *Alcoholism: Clinical & Experimental Research*, 21, 18A.



131. Bell, S. M., Wilkinson, C. W., Thiele, T. E., Woods, S. C., & Seeley, R. J. (1997). Corticosterone profiles of Long Evans rats selected for high vs. low alcohol preference: Diurnal cycles and reactivity to restraint-stress. *Alcoholism: Clinical & Experimental Research*, 21, 78A.
132. Thiele, T. E., van Dijk, G., D'Alessio, D., Eng, J., Bernstein, I. L., Woods, S. C., & Seeley, R. J. (1997). Central infusion of a potent GLP-1 receptor antagonist attenuates c-Fos expression produced by the emetic agent lithium chloride. *Society for Neuroscience Abstracts*, 23, 1075.
133. van Dijk, G., Thiele, T. E., Seeley, R. J., & Woods, S. C. (1997). Effects of central GLP-1-(7-36) amide and CCK-8 on satiety, taste aversion, and c-Fos expression in rats. *Society for Neuroscience Abstracts*, 23, 575.
134. Thiele, T. E., Roitman, M. F., & Bernstein, I. L. (1996). c-Fos expression in rat brainstem in response to ethanol- and lithium chloride-induced conditioned taste aversions. *Alcoholism: Clinical & Experimental Research*, 20, 58A.
135. Roitman, M. F., Schafer, G. E., Thiele, T. E., & Bernstein, I. L. (1996). D2 receptor antagonists, sham drinking and sodium appetite in the rat. *Appetite*, 27, 301-302.
136. Thiele, T. E., van Dijk, G., Donahey, J. C. K., Campfield, L. A., Smith, F. J., Bernstein, I. L., Woods, S. C., & Seeley, R. J. (1996). Central infusion of leptin and GLP-1-(7-36) amide differentially stimulate c-fos expression in rat brain. *Society for Neuroscience Abstracts*, 22, 1411.
137. Roitman, M. F., Thiele, T. E., Schafer, G. E., Ramsay, D. S., & Bernstein, I. L. (1996). Conditioned tolerance to ethanol-induced c-Fos expression in the rat brain. *Society for Neuroscience Abstracts*, 22, 470.
138. Thiele, T. E., Badia-Elder, N. E., & Kiefer, S. W. (1995). Delayed generalization testing produces stronger alcohol aversions in rats. *Alcoholism: Clinical & Experimental Research*, 19, 15A.
139. Thiele, T. E., & Watson, K. E. (1990). Development of a simplified restraining system for performing electrocardiograms in unanesthetized monkeys. *Laboratory Animal Science*, 40, 5.

REFEREED UNPUBLISHED ORAL & POSTER PRESENTATIONS

1. Thiele, T. E. (2017). Neuropeptide Y and corticotropin releasing factor signaling within the extended amygdala modulate binge alcohol drinking. Talk presented at the 50th annual meeting of the Winter Conference on Brain Research, Big Sky, MT.
2. Thiele, T. E. (2012). NPY agonists protect against binge-like ethanol drinking in non-dependent mice: Evidence for a role of the central amygdala. Talk presented at the 10th International NPY-PYY-PP meeting, Montreal, Canada.
3. Thiele, T. E. (2011). CRF1R antagonists and NPY agonists protect against binge-like ethanol drinking in C57BL/6J mice but fail to influence low ethanol intake. Talk presented at the 2011 Society for the Study of Ingestive Behavior, Clearwater, FL.



4. Thiele, T. E. & Lowery, E. G. (2011). The role of corticotropin releasing factor (CRF)-1 and CRF-2 receptors in binge-like ethanol drinking. Talk presented at the 2011 Alcoholism and Stress Conference, Volterra, Italy.
5. Thiele, T. E. & Lyons, A. M. (2010). A role for neuropeptide Y (NPY) signaling in the modulation of binge-like ethanol drinking in C57BL/6J mice. Talk presented at the annual meeting of the Research Society on Alcoholism, San Antonio, TX.
6. Thiele, T. E. (2009). Neuropeptide Y (NPY) Y1 and corticotropin-releasing factor (CRF)-1 receptors modulate stress-induced increases of ethanol intake in mice. Talk and poster presented at the 2009 Military Health Research Forum, Kansas City, MO.
7. Thiele, T. E., Lowery, E. G., Sparta, D. R., & Lyons, A. M. (2009). A role for CRF-1 receptor signaling in excessive ethanol intake. Talk presented at the annual meeting of the Research Society on Alcoholism, San Diego, CA.
8. Thiele, T. E., Knapp, D. J., Overstreet, D. H., Navarro, M., Breese, G. R., & McCown, T. J. (2007). Amygdalar transduction by a rAAV vector causing constitutive secretion of NPY blocks the alcohol deprivation effect and anxiety-like behavior in Alcohol Preferring P rats. Talk presented at the annual meeting of the Society for Neuroscience, San Diego, CA.
9. Thiele, T. E. (2006). Adeno-associated NPY viral vector transduction in the nucleus accumbens and amygdala alters ethanol sensitivity in mice. Talk presented at the annual meeting of the Research Society on Alcoholism, Baltimore, MD.
10. Thiele, T. E., Hayes, D. M., Knapp, D. J., Breese, G. R., & McCown, T. J. (2006). Adeno-associated NPY viral vector transduction in the nucleus accumbens and amygdala alters ethanol sensitivity in mice. Talk presented at the 8th International NPY meeting, St. Petersburg, FL.
11. Fee, J. R., Sparta, D. R., Picker, M. J., & Thiele, T. E. (2004). Increased ethanol drinking by RII β knockout mice: Assessment of genetic background and testing procedures. Poster presented at the Fourth Annual Guze Symposium on Alcoholism, St. Louis, MO.
12. Thiele, T. E. (2003). Voluntary ethanol consumption is modulated by central melanocortin receptors. Talk presented at the annual meeting of the Research Society on Alcoholism, Fort Lauderdale, FL.
13. Thiele, T. E. (2002). Altered ethanol-induced sedation and ethanol drinking in mutant mice lacking specific NPY receptor. Talk presented at the annual meeting of the Research Society on Alcoholism, San Francisco, CA.
14. Thiele, T. E. (2001). Altered voluntary consumption of ethanol in mutant mice lacking either the NPY Y1 or Y2 receptor. Talk presented at the 6th International NPY meeting, Sydney, Australia.
15. Thiele, T. E. (2001). Altered voluntary consumption of ethanol in protein kinase A-mutant mice. Poster presented at the Genes and Gene Delivery for Diseases of Alcoholism Conference, Chapel Hill, NC.



16. Thiele, T. E. (2000). Neuropeptide Y (NPY) signaling modulates voluntary ethanol consumption and acute intoxicating effects of ethanol. Talk presented at the annual meeting of the European Winter Conference on Brain Research, Villars, Switzerland.
17. Thiele, T. E. (2000). Transgenic and knockout mouse models: Powerful tools for investigating the neurobiology of alcoholism. Talk presented at the annual meeting of the Research Society on Alcoholism, Denver, Colorado.
18. Thiele, T. E. (1999). Ethanol consumption and resistance are inversely related to neuropeptide Y levels. Talk presented at the 5th International NPY meeting, Grand Cayman Island.
19. Roitman, M. F., Thiele, T. E., Bernstein, I. L., & van Dijk, G. (1999). Conditioned over-eating is blocked by a dopamine (DA) antagonist. Poster presented at the annual meeting of the Society for the Study of Ingestive Behaviors, Clearwater, FL.
20. Thiele, T. E. (1999). Co-expression of ethanol-induced c-Fos with neuropeptide Y and tyrosine hydroxylase in rat brainstem neurons. Talk presented at the annual meeting of the Research Society on Alcoholism, Santa Barbara, CA.
21. Thiele, T. E., van Dijk, G., Seeley, R. J., Woods, S. C., & Bernstein, I. L. (1998). Central mechanisms involved in taste aversion learning: Implications for ingestive behavior. Talk presented at the annual meeting of the European Winter Conference on Brain Research, Bourg St. Maurice, France.
22. van Dijk, G., Thiele, T. E., Donahey, J. C. K., Seeley, R. J., Bernstein, I. L., Campfield, L. A., & Woods, S. C. (1997). Action of anorectic compounds in fore- and hindbrain: Their role in regulating body weight homeostasis. Talk presented at the annual meeting of the European Winter Conference on Brain Research, Bourg St. Maurice, France.
23. Bell, S. M., Thiele, T. E., Seeley, R. J., Bernstein, I. L., & Woods, S. C. (1997). Effects of food deprivation on amphetamine-induced conditioned taste aversions (CTA) in rats. Poster presented at the annual meeting of the Society for the Study of Ingestive Behavior, Baltimore, MD.
24. Seeley, R. J., van Dijk, G., Blake, K., & Thiele, T. E. (1997). The role of glucagon-like-peptide-(7-36)-amide (GLP-1) in the control of food intake and mediating visceral illness in the CNS. Talk presented and the meeting of Brain Mechanisms of Ingestion and Gastrointestinal Physiology, Durham, England.
25. Thiele, T. E., & Frieman, J. (1995). *Post-Training Revaluation of Discriminative Stimuli: Evidence of S-R associations*. Talk presented at the annual meeting of the Psychonomic Society, Los Angeles, California.
26. Thiele, T. E. & Bailey, S. A. (1994). *Taste-Taste Conditioning: Further Evidence of Overshadowing*. Poster presented at the annual meeting of the Southwestern Psychological Association, Tulsa, Oklahoma.
27. Thiele, T. E., Frieman, J., & Tani-Harris, J. (1994). *Post-Training Devaluation of the Discriminative Stimulus: Evidence of S-R Associations*. Talk presented at the annual meeting of the Midwestern Psychological Association, Chicago, Illinois.



28. Kiefer, S. W., Thiele, T. E., & Badia-Elder, N. E. (1994). *Delayed Generalization Testing Produces Stronger Alcohol Aversions in Rats*. Poster presented at the annual meeting of the Psychonomic Society, St. Louis, Missouri.
29. Bailey, S. A., & Thiele, T. E. (1993). *Taste Avoidance to a Bitter Substance in Pigeons*. Poster presented at the annual Great Plains Students' Psychology Convention, Maryville, Missouri.
30. Thiele, T. E., Bailey, S. A., & Kiefer, S. W. (1993). *Taste-Taste Conditioning: Overshadowing Instead of Potentiation*. Poster presented at the annual meeting of the Southwestern Psychological Association, Corpus Christi, Texas.
31. Thiele, T. E., & Frieman, J. (1993). *Pre-Potentiation Exposure to Conditioned Stimulus Versus No Pre-Exposure: Evidence of Within-Compound Associations*. Poster presented at the annual meeting of the American Psychological Society, Chicago, Illinois.
32. Thiele, T. E. & Frieman, J. (1992). *Non-Reinforced Compound Exposure Before Potentiation Training: The Effects on Within-Compound Associations*. Poster presented at the annual meeting of the Midwestern Psychological Association, Chicago, Illinois.

INVITED TALKS

Gordon Research Conference: Alcohol & the Nervous System (March 2018). Talk titled *The Role of Top-Down and Bottom-Up Neural Circuits in the Modulation of Binge Drinking*.

Department of Neural & Behavioral Sciences, Penn State University, State College, PA (November 2017). Talk titled *Dissecting the Neurocircuitry Underlying Binge Alcohol Drinking and the Transition to Dependence*.

Department of Department of Biological Sciences, University of Toronto Scarborough, Toronto, Canada (March 2017). Talk titled *Dissecting the Neurocircuitry that Modulates Binge Alcohol Drinking and the Transition to Dependence*.

Undergraduate Neuroscience Club, University of North Carolina, Chapel Hill, NC (March 2017). Talk titled *How does the brain make us binge drink alcohol?: Discovering pharmacotherapies to treat alcohol use disorders*.

Department of Psychology, University of New Mexico, Albuquerque, New Mexico (February 2017). Talk titled *Dissecting the Neurocircuitry Underlying Binge Alcohol Drinking and the Transition to Dependence*.

Department of Biology, North Carolina Center University, Durham, North Carolina (September 2015). Talk titled *Binge Drinking and the Transition to Alcohol Dependence: A Role for Stress-Related Neuropeptides of the Extended Amygdala*.

Bowles Center for Alcohol Studies, University of North Carolina, Chapel Hill, North Carolina (March 2015). Talk titled *Neuropeptide Y and Corticotropin Releasing Factor Signaling within the Extended Amygdala Modulate Binge Alcohol Drinking*.



Gordon Research Conference: Alcohol & the Nervous System (February 2014). Talk titled *Recruitment of Neuropeptide Y and Corticotropin Releasing Factor During Binge Ethanol Drinking: Mechanisms Underlying the Transition to Ethanol Dependence?*

Alcohol Research Center, Medical University of South Carolina, Charleston, South Carolina (September 2013). Talk titled *Recruitment of Neuropeptides within the Extended Amygdala during Binge Ethanol Drinking: Mechanisms Underlying the Transition to Ethanol Dependence?*

Alcohol and Drug Abuse Research Program and Translational Addiction Research Center, Washington State University, Pullman, Washington (March 2013). Talk titled *Overlapping Neuropeptide Modulation of Binge Alcohol Drinking and Eating Disorders: Can We Kill Two Birds with One Stone?*

McLean Hospital, Harvard Medical School, Belmont, Massachusetts (November 2012). Talk titled *Recruitment of Neuropeptide Y and Corticotropin Releasing Factor During Binge Ethanol Drinking: Mechanisms Underlying the Transition to Ethanol Dependence?*

Bowles Center for Alcohol Studies, University of North Carolina, Chapel Hill, North Carolina (September 2012). Talk titled *Melanocortin Signaling in the Lateral Hypothalamus Modulates Binge-Like Ethanol Drinking.*

Department of Psychology, University of Washington, Seattle, Washington (October 2011). Talk titled *Corticotropin releasing factor (CRF) type-1 receptors (CRF1R) in the central amygdala (CeA) modulate binge-like alcohol drinking in non-dependent C57BL6/J mice.*

Department of Pharmacology & Neuroscience, Health Sciences Center, Texas Tech University, Lubbock, Texas (October 2010). Talk titled *Neuropeptides of the extended Amygdala Modulate Binge-Like Alcohol Drinking in Mice: Implications for Pharmacotherapy.*

Departamento de Psicología Experimental y Fisiología del Comportamiento, University of Granada, Granada, Spain (June 2010). Talk titled *A Role for Central Neuropeptides in Binge Alcohol Drinking.*

Departamento de Neurociencia y Ciencias de la Salud, University of Almeria, Almeria, Spain (April 2010). Talk titled *A Role for Central Neuropeptides in Binge Alcohol Drinking.*

Bowles Center for Alcohol Studies, University of North Carolina, Chapel Hill, North Carolina (February 2010). Talk titled *NPY and CRF Modulate Binge-Like Ethanol Drinking in C57BL/6J Mice.*

National Institute on Alcohol Abuse and Alcoholism, Intramural Research Program, Bethesda, Maryland (September 2009). Talk titled *A Role for CRF & NPY Receptor Signaling in the Modulation of Binge-like Ethanol Drinking by C57BL/6J Mice.*

Department of Psychology, University of Illinois at Chicago, Chicago, Illinois (May 2008). Talk titled *Diverse Roles for Neuropeptide Y in Neurobiological Responses to Ethanol.*

Department of Psychology, University of Alaska Anchorage, Anchorage, Alaska (April 2008). Talk titled *The Role of Central Neuropeptides in Stress-Induced Alcohol Drinking.*



Bowles Center for Alcohol Studies, University of North Carolina, Chapel Hill, North Carolina (November 2007). Talk titled *A Role for Neuropeptide Y (NPY) and Corticotropin Releasing Factor (CRF) in the Modulation of Neurobiological Responses to Ethanol*.

Department of Psychology, Clinical Program, University of North Carolina, Chapel Hill, North Carolina (February 2007). Talk titled *The Role of Neuropeptide Y (NPY) in Ethanol Self-Administration*.

The Annual Meeting of the American College of Neuropsychopharmacology, Waikoloa, Hawaii (December 2005). Invited speaker for a symposium titled *The Role of Feeding Neuropeptides in Alcohol and Drug Dependence*. Chaired by Drs. Michael Lewis and George Koob. Talk titled *Neuropeptide Y and Melanocortin Neuropeptides Regulate Alcohol Intake and Feeding: Are Overlapping Pathways Involved?*

Neuroscience Institute at the University of Tennessee Health Science Center, Memphis, Tennessee (November 2005). Talk titled *Too Much Booze, Too Much Food: Overlapping Neuropeptide Control of Alcohol and Food Ingestion?*

Bowles Center for Alcohol Studies, University of North Carolina, Chapel Hill, North Carolina (October 2005). Talk titled *Predictors of High Ethanol Consumption in Protein Kinase A Mutant Mice*.

Departments of Neurotoxicology and Psychopharmacology, Rovira i Virgili University, Tarragona, Spain (June 2005). Talk titled *The Role of Neuropeptide Y in Alcohol Self-Administration*.

Sarah W. Stedman Nutrition and Metabolism Center, Duke University, Durham, North Carolina (February 2004). Talk titled *Alcoholism and Obesity: Overlapping Neuropeptide Pathways?*

Gallo Alcohol Research Center, University of California, San Francisco, California (December 2002). Talk titled *From Neuropeptides to Protein Kinase A: A Pathway to Alcoholism*.

National Institute on Alcohol Abuse and Alcoholism sponsored symposium at the annual meeting of the Society for the Study of Ingestive Behavior, Santa Cruz, California (August 2002). Symposium titled *Peptides: Their Role in Excess Alcohol Drinking and Their Promise as a Therapeutic Tool*. Talk titled *The Relationship between Neuropeptide Y (NPY) and Ethanol-Related Behaviors in Mutant Mice Lacking Specific NPY Receptor and in Rats Selectively Bred for Alcohol Preference*.

National Institute on Alcohol Abuse and Alcoholism sponsored Satellite Symposium at the Annual Meeting of the Society for Neuroscience, San Diego, California (November 2001). Symposium titled *Neurogenetics of Alcoholism*. Talk titled *Knockout and Transgenic Mouse Models: Powerful Tools for Investigating the Neurobiology of Alcoholism*.

Bowles Center for Alcohol Studies, University of North Carolina, Chapel Hill, North Carolina (November 2001). Talk titled *Neuropeptide Y Y1 and Y2 Receptors Modulate Voluntary Consumption of Ethanol*.

Merck Research Laboratories, Department of Obesity Research, Rahway, New Jersey (December 2000). Talk titled *Genetic and Pharmacological Approaches Towards Understanding the Neurobiology of Drug Reward and Aversion*.



Department of Behavioral Neuroscience, Oregon Health Sciences University, Portland, Oregon (October 2000).
Talk titled *Behavioral Characterization of Protein Kinase A-Mutant Mice*.

American Society for Addiction Medicine (ASAM), Chicago, Illinois (April 2000). Invited speaker for a NIAAA sponsored symposium titled *Clinical Insights from Animal Models*. Talk titled *Gene Knockout and Transgenic Mouse Models: Powerful Tools for Investigating the Neurobiology of Alcoholism*.

Department of Psychiatry and Behavioral Sciences, University of Washington, Seattle, Washington (January 2000). Invited speaker for a Grand Rounds lecture series. Talk titled *The Role of Neuropeptides in Voluntary Ethanol Consumption*.

National Institute on Alcohol Abuse and Alcoholism, Bethesda, Maryland (April 1999). Invited speaker for a workshop/symposium titled *Neuropeptides and Alcohol Intake*. Talk titled *The Role of Neuropeptide Y in Voluntary Ethanol Consumption*.

Lilly Research Laboratories, Lilly Corporate Center, Indianapolis, Indiana (October 1998). Talk titled *Simple Tests for Assessing Potential Aversive Side-Effects in Anorectic Compounds*.

University of Groningen, Department of Animal Physiology, Haren, the Netherlands (March 1998). Talk titled *Mutant Mice Lacking Neuropeptide-Y Consume More Ethanol Relative to Wild-type Mice*.

Teaching Activities

COURSES TAUGHT OVER THE LAST 3-YEARS

UNDERGRADUATE

Learning (PSYC 222) Summer Session II 2017 (24 students)
Maymester 2017 (11 students)

Honors Learning (PSYC 222H) Fall 2017 (23 students)
Fall 2016 (24 students)

GRADUATE

Brain & Behavior II (PSYC 702) Spring 2015 (6 students)
Spring 2017 (3 students)

Research Seminar in Addiction Science I (PSYC 720) Fall 2015 (6 students)

Research Seminar in Addiction Science II (PSYC 721) Spring 2018 (6 students)

GUEST LECTURES

Introduction to Neuroscience (PSYC 315), Guest Lecture Fall 2017 (~100 students)
Fall 2016 (~100 students)



STUDENT AND POST-DOCTORAL FELLOW SUPERVISION

Post-Doctoral Fellow Mentees

Stacey Robinson, Ph.D. 2015-present.

Alex Marshall, Ph.D. 2013-2016.

Jennifer Rinker, Ph.D., 2011-2014.

Frank Ferraro, Ph.D., 2004-2006.

Doctoral Student Mentees

Honoree Brewton, Psychology & Neuroscience, Graduate Program, 2017-present.

Michel Companion, Psychology & Neuroscience, Graduate Program, 2015-present.

Nathan Burnham, Psychology & Neuroscience, Graduate Program, 2014-present.

John Casachua, Psychology & Neuroscience, Graduate Program, 2011-2016.

Dissertation title "The role of cytokines in binge-like ethanol consumption and ethanol-induced sedation"

Jeff Olney, Psychology & Neuroscience, Graduate Program, 2011-2016.

Dissertation title "An examination of the role of the central orexin system in binge-like ethanol consumption"

Gretchen Sprow, Psychology, Graduate Program, 2008-2013.

Dissertation title "The role of the melanocortin system in binge-like ethanol consumption"

Emily Lowery-Gionta, Psychology Graduate Program, 2006-2011.

Dissertation title "The role of corticotropin releasing factor in binge-like ethanol consumption"

Angela Sparrow (Lyons), Psychology Graduate Program, 2006-2011.

Dissertation title "The role of neuropeptide Y signaling on binge-like ethanol consumption"

Dayna Hayes, Psychology Graduate Program, 2003-2009.

Dissertation title "Ethanol-induced locomotor sensitization and ethanol consumption: The role of neuropeptide Y"

Dennis Sparta, Psychology Graduate Program, 2002-2007.

Dissertation title "Rodent models of human alcoholism: Implications for a role of neuropeptide Y and corticotropin releasing factor"

Jon Fee, Psychology Graduate Program, 2002-2007.

Dissertation title "The role of protein kinase A and stress in ethanol-induced locomotor sensitization"

Master's & Rotation Student Mentees

Maria Luisa Ines Mercedes, Rotating BBSP Graduate Student, Spring 2016.



Marian Mersmann, Psychology, Graduate Program, 2013-14.

Benjamin Cox, Psychology, Graduate Program, 2011-2013.

Daniel Albaugh, Rotating BBSP Graduate Student, Fall 2010.

Undergraduate Student Mentees

- Cortland Vis, Undergraduate Honors Thesis, Fall 2017 and Spring 2018.
- Rachel Barndt, Undergraduate Independent Research (Psych 395), Spring 2016.
- Corryn Chaimowitz, Undergraduate Independent Research (Psych 395), Spring 2016.
- Isabel Marrero, Undergraduate Research Volunteer, Fall 2015.
- Rachel Singley, Undergraduate Research Volunteer, Summer 2015.
- Suzahn Ebert, Independent Undergraduate Research (Psych 395), 2014-2016.
- Allyson Blose, Undergraduate Independent Research (Chem 395), 2013-2016.
- Bolu Aluko, Independent Undergraduate Research (Biol 395), 2014-2015.
- Langston Harrison, Undergraduate Research Volunteer, 2014-2015.
- Shay Daji, Undergraduate Independent Research (Biol 395), 2013-2015.
- Katarina Swaim, Undergraduate Independent Research (Psych 395), Spring 2015.
- Jessica Trexler, Undergraduate Independent Research (Psych 395), Spring 2014.
- Nicole Eskenasi, Undergraduate Independent Research (Psych 395), Spring 2013.
- Andrew Wright, Undergraduate Independent Research (Psych 395), Fall 2012, Spring 2013.
- Thomas Lunney, Undergraduate Independent Research (Psych 98/395), Spring 2009.
- Clodagh Mullen, Undergraduate Honors Thesis, Fall and Spring, 2006-2007.
- Erin Trado, Undergraduate Independent Research (Psych 98), Summer and Fall, 2005.
- Kimberley Cubit, Summer Pre-Graduate Research Experience Program, Summer 2004.
- Elizabeth Schenk, Undergraduate Independent Research (Psych 98), Fall 2002.
- Andreas Perlegas, Undergraduate Independent Research (Psych 98), Fall 2002.
- Benjamin Anderson, Undergraduate Honors Thesis Committee, Fall, 2001.

Dissertation & Master's Committees

- Viren Makhijani, Dissertation Committee, Curriculum in Neuroscience, 2017-present.
- Maria Luisa Ines Mercedes, Chair, Dissertation Committee, Curriculum in Neuroscience, 2017-present.
- Meghan Jones, Dissertation Committee, Psychology & Neuroscience, 2016-2017.
- Deirdre Sackett, Dissertation Committee, Psychology & Neuroscience, 2016-present.
- Monica Faulkner, Dissertation Committee, Psychology & Neuroscience, 2015-2017.
- Rachel Haake, Master's Thesis Committee, Psychology & Neuroscience, 2017.
- Nathan Burnham, Chair, Master's Thesis Committee, Psychology & Neuroscience, 2017.
- Colleen Lonergan, Dissertation Committee, Neurobiology Curriculum, 2014-present.
- Christopher Mazzone, Dissertation Committee, Neurobiology Curriculum, 2013-2017.
- Abigail Agoglia, Dissertation Committee, Neurobiology Curriculum, 2013-2017.
- Jennifer Green, Dissertation Committee, Psychology & Neuroscience, 2012-2015.
- Dominic Cerri, Dissertation Committee, Psychology & Neuroscience, 2014-2016.
- Jeff Olney, Chair of Dissertation Committee, Psychology & Neuroscience, 2014-2016.
- Lee Hutson, Dissertation Committee, Psychology & Neuroscience, 2016.



- Deirdre Sackett, Master's Thesis Committee, Psychology & Neuroscience, 2016.
- John Casachahua, Co-Chair of Dissertation Committee, Psychology & Neuroscience, 2012-2016.
- Mark Presker, Master's Thesis Committee, Psychology Graduate Program, 2015.
- Jeff Olney, Chair of Master's Thesis Committee, Psychology Graduate Program, 2014-2015.
- Kati Healey, Master's Thesis Committee, Psychology Graduate Program, 2014.
- Meghan Jones, Master's Thesis Committee, Psychology Graduate Program, 2014.
- Dominic Cerri, Master's Thesis Committee, Psychology Graduate Program, 2013.
- Lee Hutson, Master's Thesis Committee, Psychology Graduate Program, 2013.
- Courtney Cameron, Dissertation Committee, Psychology Graduate Program, 2012-2014.
- Daniel Harper, Dissertation Committee, Psychology Graduate Program, 2012-2014.
- Benjamin Cox, Chair of Master's Thesis Committee, Psychology Graduate Program, 2012-2013.
- Jeff Olney, Chair of Master's Thesis Committee, Psychology Graduate Program, 2012-2013.
- Gretchen Sprow, Chair of Dissertation Committee, Psychology Graduate Program, 2012-2013.
- Jon Sugam, Dissertation Committee, Psychology Graduate Program, 2012-2013.
- Heather Lasseter, Dissertation Committee, Psychology Graduate Program, 2011.
- Jon Sugam, Master's Thesis Committee, Psychology Graduate Program, 2011.
- Gretchen Sprow, Chair of Master's Thesis Committee, Psychology Graduate Program, 2011.
- Emily Lowery, Chair of Dissertation Committee, Psychology Graduate Program, 2009-2011.
- Angela Lyons, Chair of Dissertation Committee, Psychology Graduate Program, 2009-2011.
- Alison Wagner, Dissertation Committee, Psychology Graduate Program, 2009-2010.
- Laurence Miller, Dissertation Committee, Psychology Graduate Program, 2009-2010.
- Marina Spanos, Dissertation Committee, Neurobiology Curriculum, 2007-2010.
- Angela Sparrow, Chair of Master's Thesis Committee, Psychology Graduate Program, 2008.
- Emily Lowery, Chair of Master's Thesis Committee, Psychology Graduate Program, 2008.
- Dayna Hayes, Chair of Dissertation Committee, Psychology Graduate Program, 2007-2009.
- Rebecca Klatzkin, Dissertation Committee, Psychology Graduate Program, 2007-2009.
- Jeremy Day, Master's Thesis Committee, Psychology Graduate Program, 2006.
- Tiffany Wills, Dissertation Committee, Neurobiology Curriculum, 2006-2009.
- Jennifer Thomson, Dissertation Committee, Psychology Graduate Program, 2006-2009.
- Stephanie Traina, Master's Thesis Committee, Psychology Graduate Program, 2008.
- Heather Lasseter, Master's Thesis Committee, Psychology Graduate Program, 2008.
- Rebekah Stevenson, Chair of Dissertation Committee, Neurobiology Curriculum, 2005-2008.
- Joshua Jones, Master's Thesis Committee, Psychology Graduate Program, 2007.
- Dennis Sparta, Chair of Dissertation Committee, Psychology Graduate Program, 2005-2007.
- Timothy Sauer, Dissertation Committee, Psychology Graduate Program, 2005-2007.
- Lisa Lomas, Dissertation Committee, Psychology Graduate Program, 2004-2007.
- Jon Fee, Chair of Dissertation Committee, Psychology Graduate Program, 2005-2007.
- Rebecca Klatzkin, Master's Thesis Committee, Psychology Graduate Program, 2006.
- Elizabeth Mechlin, Master's Thesis Committee, Psychology Graduate Program, 2006.
- Jonathan Hollander, Dissertation Committee, Psychology Graduate Program, 2003-2006.
- Jay Elliot, Dissertation Committee, Psychology Graduate Program, 2005.
- Ryan Lanier, Dissertation Committee, Psychology Graduate Program, 2004-2005.
- Garret Stuber, Dissertation Committee, Neurobiology Curriculum, 2003-2005.
- Jolan Turner, Dissertation Committee, Psychology Graduate Program, 2003-2005.



- Jameeliah Lane, Master's Thesis Committee, Psychology Graduate Program, 2005.
- Dayna Hayes, Chair of Master's Thesis Committee, Psychology Graduate Program, 2005.
- Jon Fee, Chair of Master's Thesis Committee, Psychology Graduate Program, 2004.
- Dennis Sparta, Chair of Master's Thesis Committee, Psychology Graduate Program, 2004.
- Andrew Barrett, Dissertation Committee, Psychology Graduate Program, 2001-2003.
- Kelly Carrigan, Dissertation Committee, Psychology Graduate Program, 2002.
- Jolan Turner, Master's Thesis Committee, Psychology Graduate Program, 2002.
- Jonathan Hollander, Master's Thesis Committee, Psychology Graduate Program, 2002.

Grants

ACTIVE/PENDING GRANTS

- Pending Principal Investigator, National Institute on Alcohol Abuse and Alcoholism Research Grant (3rd renewal of R01-AA013573): The Role of Neuropeptide Y in Ethanol Intake and Sensitivity. Total direct costs \$1,250,000 requested. **Scored at 10th percentile.**
- Pending Co-Principal Investigator, National Institute on Alcohol Abuse and Alcoholism Research Grant (R01 AA027174): A role for IL-1 beta in ethanol withdrawal-induced increase of PTSD-like phenotypes. Total direct costs \$1,250,000 requested.
- Pending Co-Principal Investigator, National Institute on Alcohol Abuse and Alcoholism Research Grant (R01-AA025809): The role of norepinephrine in binge alcohol drinking and taste aversion. Total direct costs \$1,250,000 requested.
- 2016-2018 Co-Investigator, UNC School of Medicine/TraCS Translational Team Science Award (TTSA018P1): Assessing Changes in the Brain Melanocortin System and Sensory Processing in Response to Alcohol to Advance our Understanding of the Pathophysiology and Psychopharmacology of Binge Drinking. Total direct costs \$60,000.
- 2013-2019 Principal Investigator, National Institute on Alcohol Abuse and Alcoholism Research Grant (R01-AA022048): The Role of Corticotropin Releasing Factor in Binge-Like Ethanol Drinking. Total direct costs \$1,000,000.
- 2012-2018 Principal Investigator, National Institute on Alcohol Abuse and Alcoholism Research Grant (2nd renewal of R01-AA013573): The Role of Neuropeptide Y in Ethanol Intake and Sensitivity. Total direct costs \$787,500.

COMPLETED GRANTS

- 2012-2017 Co-Investigator, National Institute on Alcohol Abuse and Alcoholism Center Grant (P60AA011605) Titled: Molecular and Cellular Pathogenesis of Alcoholism. Component 4: Deconstructing CRF Circuits that Modulate Binge Ethanol Intake.
- 2012-2017 Co-Investigator, National Institute on Alcohol Abuse and Alcoholism Center Grant (P60AA011605) Titled: Molecular and Cellular Pathogenesis of Alcoholism. Component 5: PKA Regulation of GABA-A Receptor Pathogenesis.



- 2016-2017 Diversity Supplement to grant R01-AA022048. Total direct costs \$111,354.
- 2013-2016 Diversity Supplement to grant R01-AA013573. Total direct costs \$140,875.
- 2014-2016 Co-Investigator, National Institute on Alcohol Abuse and Alcoholism R21 application: Adolescent binge drinking augments alcohol intake: A role for histone methylation. Total direct costs \$275,000.
- 2010-2016 Principal Investigator, National Institute on Alcohol Abuse and Alcoholism Research Grant (1st renewal of R01-AA015148): Melanocortin Neuropeptides and Ethanol Intake. Total direct costs \$1,068,750.
- 2009-2013 Principal Investigator, Department of Defense Research Grant (W81XWH-09-1-0293): Melanocortin and Opioid Peptide Interactions in the Modulation of Binge Alcohol Drinking. Total direct costs \$475,195.
- 2005-2011 Principal Investigator, National Institute on Alcohol Abuse and Alcoholism Research Grant (1st renewal of R01-AA013573): The Role of Neuropeptide Y in Ethanol Intake and Sensitivity. Total direct costs \$906,250.
- 2005-2010 Principal Investigator, Department of Defense Research Grant (W81XWH-06-1-0158): The Role of Neuropeptide Y (NPY) in Uncontrolled Alcohol Drinking and Relapse Behavior Resulting from Exposure to Stressful Stimuli. Total direct costs \$610,664.
- 2005-2010 Principal Investigator, National Institute on Alcohol Abuse and Alcoholism Research Grant (R01-AA015148): Melanocortin Neuropeptides and Ethanol Intake. Total direct costs \$724,800.
- 2002-2005 Principal Investigator, National Institute on Alcohol Abuse and Alcoholism Research Center Grant Pilot Project (P60-AA011605): The Role of Protein Kinase A (PKA) in Neurobiological Responses to Ethanol. Total direct costs \$45,000.
- 2004-2005 Principal Investigator, Merck Pharmaceuticals Research Grant: The Effects of Neuropeptide Y Antagonists on Operant Self-Administration of Ethanol by C57BL/6J Mice. Total direct costs \$37,943.
- 2001-2005 Principal Investigator, National Institute on Alcohol Abuse and Alcoholism Research Grant (R01-AA013573): The Role of Neuropeptide Y in Ethanol Intake and Sensitivity. Total direct costs \$600,000.
- 1998-2003 Principal Investigator, National Institute on Alcohol Abuse and Alcoholism Career Development Grant (K01-AA00258): Neuronal Mediation of Ethanol-Induced Taste Aversions. Total direct costs \$374,378.
- 2002-2003 Principal Investigator, Merck Pharmaceuticals Research Grant: The Effects of Neuropeptide Y Antagonists on Voluntary Ethanol Drinking. Total direct costs \$17,925.



- 2001-2002 Principal Investigator, Junior Faculty Development Award from the University of North Carolina: The Role of Neuropeptide Y Receptors in Neurobiological Responses to Ethanol. Total direct costs \$5000.
- 2001-2002 Principal Investigator, Mason and Linda Stephenson Faculty Award, Psychology Department, University of North Carolina: The Role of Specific Neuropeptide Y Receptors in Neurobiological Responses to Ethanol. \$450.
- 2001 Principal Investigator, Alcohol and Drug Abuse Institute of the University of Washington Research Grant: The Role of Specific Neuropeptide Y Receptors in Neurobiological Responses to Ethanol and Diazepam. Total direct costs \$19,728.
- 1996-1995 Co-Investigator, Alcohol and Drug Abuse Institute of the University of Washington Research Grant: cFos Induction in Response to Alcohol and Tastes Paired with Alcohol in Alcohol-Preferring (P) and Alcohol-Nonpreferring (NP) rats. Total direct costs \$14,783.
- 1994-1995 Trainee, National Institute on Alcohol Abuse and Alcoholism Pre-Doctoral Fellowship (F31-AA05397): Memory Mechanisms of Learned Alcohol Aversions in Rats.

SPONSORED PRE- AND POST-DOCTORAL FELLOWSHIPS

- 2017-2019 Post-Doctoral Individual National Research Service Award, Stacey L. Robinson, National Institute on Alcohol Abuse and Alcoholism (F32AA025811): The role of medial prefrontal cortex CRF signaling in binge-like ethanol intake.
- 2012-2015 Post-Doctoral Individual National Research Service Award, Jennifer A. Rinker, National Institute on Alcohol Abuse and Alcoholism (F32-AA021611): Histone Methylation: A role in excessive ethanol intake and self-administration.
- 2012-2015 Post-Doctoral Individual National Research Service Award, Kristen E. Pleil, National Institute on Alcohol Abuse and Alcoholism: NPY modulation of GABAergic transmission in the BNST of mice with a history of binge drinking. (Co-sponsor with Dr. Thomas Kash).
- 2010-2013 Pre-Doctoral Individual National Research Service Award, Gretchen M. Sprow, National Institute on Alcohol Abuse and Alcoholism (F31-AA019839): Ethanol-Induced Locomotor Sensitization: NPY Signaling and Chromatin Remodeling.
- 2008-2011 Pre-Doctoral Individual National Research Service Award, Angela M. Sparrow, National Institute on Alcohol Abuse and Alcoholism (F31-AA017818): Stress-Induced Increases of Ethanol Intake: The Role of Neuropeptide Y (NPY).
- 2008-2011 Pre-Doctoral Individual National Research Service Award, Emily G. Lowery, National Institute on Alcohol Abuse and Alcoholism (F31-AA017803): CRF Signaling in Stress- and Dependence-induced ethanol consumption.



- 2006-2008 Pre-Doctoral Individual National Research Service Award, Dayna M. Hayes, National Institute on Alcohol Abuse and Alcoholism (F31-AA016716): PKA and NPY Signaling in Ethanol-Induced Sensitization.
- 2005-2007 Pre-Doctoral Individual National Research Service Award, Jon R. Fee, National Institute on Alcohol Abuse and Alcoholism (F31-AA015877): The Role of PKA and Stress in Ethanol Sensitization.
- 2005-2007 Pre-Doctoral Individual National Research Service Award, Dennis R. Sparta, National Institute on Alcohol Abuse and Alcoholism (F31-AA015875): The Role of NPY on the Alcohol Deprivation Effect.
- 2005-2007 Post-Doctoral Individual National Research Service Award, Frank M. Ferraro, National Institute on Alcohol Abuse and Alcoholism (F32-AA015878): The Role of the NPY Y1 Receptor in Ethanol Relapse.

TRAINING GRANT MEMBERSHIP

- *Pre-doctoral Training in Research on Drug Abuse*. Funded by the National Institute on Drug Abuse. Department of Psychology & Neuroscience, UNC-Chapel Hill (2001 to present).
- *Post-doctoral Fellowships in Molecular & Cellular Studies on Alcohol's Actions*. Funded by the National Institute on Alcohol Abuse and Alcoholism. Bowles Center for Alcohol Studies (2004 to present).

Service Activities

UNIVERSITY SERVICE

- Panelist, "Graduate Studies in Psychology", presentation to undergraduates considering studies in graduate school. 2017, Department of Psychology & Neuroscience, University of North Carolina.
- Member, Arts & Science COI subcommittee, 2017, University of North Carolina.
- Member, Strategic Planning Committee, 2017-present, Department of Psychology & Neuroscience, University of North Carolina.
- Member, Chancellor's Science Scholars (CSS) Interview Panel. 2017, College of Art & Sciences, University of North Carolina.
- Member, Reappointment Sub-Committee for Sylvia Fitting, Ph.D. 2016-present, Department of Psychology & Neuroscience, University of North Carolina.
- Member, Post-Tenure Review Committee for Regina Carelli. 2016, Department of Psychology & Neuroscience, University of North Carolina.



- Member, Mentoring Committee for Jessica Cohen, Ph.D. 2016-present, Department of Psychology & Neuroscience, University of North Carolina.
- Member, Full Professor Promotion Sub-Committee for Kelly Giovanello, Ph.D. 2016, Department of Psychology & Neuroscience, University of North Carolina.
- Chair, Qualifying Exam Sub-Committee. 2016, Neurobiology Curriculum, University of North Carolina.
- Member, Baughman Dissertation Award Review Committee. 2016, Department of Psychology & Neuroscience, University of North Carolina.
- Member, Chancellor's Science Scholars (CSS) Interview Panel. 2016, College of Art & Sciences, University of North Carolina.
- Member, Reappointment Sub-Committee for Marsha Penner, Ph.D. 2016, Department of Psychology & Neuroscience, University of North Carolina.
- Member, Search Committee for Behavioral Neuroscience & Developmental Program Coordinator. 2016, Department of Psychology & Neuroscience, University of North Carolina.
- Member, Search Committee for Accounting Technician. 2016, Department of Psychology & Neuroscience, University of North Carolina.
- Member, Search Committee for Accounting Manager. 2015, Department of Psychology & Neuroscience, University of North Carolina.
- Member, Reappointment Sub-Committee for Kathryn Reissner, Ph.D. 2015, Department of Psychology & Neuroscience, University of North Carolina.
- Member, Mentoring Committee for Sylvia Fitting, Ph.D. 2015-present, Department of Psychology & Neuroscience, University of North Carolina.
- Member, Post-Tenure Review Committee for Donald Lysle. 2015, Department of Psychology, University of North Carolina.
- Chair, Cognitive/Developmental Assistant Professor Search Committee. 2014-2015, Department of Psychology, University of North Carolina.
- Member, new DLAM Advisory Committee. 2014-present, Institutional Animal Care and Use Committee, University of North Carolina.
- Member, Tenure Promotion Sub-Committee for Charlotte Boettiger, Ph.D. 2014, Department of Psychology, University of North Carolina.



- Member, Undergraduate Curriculum Review Committee. 2014. Department of Psychology, University of North Carolina.
- Member, Tenure Promotion Sub-Committee for Enrique Neblett, Ph.D. 2013, Department of Psychology, University of North Carolina.
- Chair, Behavioral Neuroscience Assistant Professor Search Committee. 2013-2014, Department of Psychology, University of North Carolina.
- Chair, Behavioral Neuroscience Assistant Professor Search Committee. 2012-2013, Department of Psychology, University of North Carolina.
- Chair, Conflict of Interest (COI) Sub-Committee for College of Arts and Science. July, 2012-2015. University of North Carolina.
- Member, Graduate Education Committee. 2012-present, Department of Psychology & Neuroscience, University of North Carolina.
- Member, Merit Review Committee. 2012, Department of Psychology, University of North Carolina.
- Member, Post-Tenure Review Committee. 2012, Department of Psychology, University of North Carolina.
- Member, Neuroscience Minor Committee. 2011-2013, Department of Psychology, University of North Carolina.
- Member, Conflict of Interest (COI) Committee for the College of Arts and Sciences. 2011-2015. University of North Carolina.
- Primary Member, Institutional Animal Care and Use Committee (IACUC). 2011-2015. University of North Carolina.
- Member, Tenure Promotion Sub-Committee for Kelly Giovanello, Ph.D. 2011, Department of Psychology, University of North Carolina.
- Chair, Search Committee for Grants Administrations Officer. 2011, Department of Psychology, University of North Carolina.
- Member, Reappointment Sub-Committee for Charlotte A Boettiger, Ph.D. 2010, Department of Psychology, University of North Carolina.
- Member, DLAM Advisory Committee. 2010-2014, Institutional Animal Care and Use Committee, University of North Carolina.
- Member, Teaching Awards Committee. 2007-2008, Department of Psychology, University of North Carolina.



- Member, Mentoring Committee for Rita Fuchs-Lokensgard, Ph.D. 2007-2010, Department of Psychology, University of North Carolina.
- Alternate Member, Advisory Committee. 2007-2008, Department of Psychology, University of North Carolina.
- Member, Building Space Committee. 2006-2012, Department of Psychology, University of North Carolina.
- Member, Reappointment Sub-Committee for Rita Fuchs-Lokensgard, Ph.D. 2007, Department of Psychology, University of North Carolina.
- Panelist, Promotion Workshop. 2009, Department of Psychology, University of North Carolina.
- Chair, Search Committee for Grants Administrations Officer. 2009, Department of Psychology, University of North Carolina.
- Member, Search Committee for Biopsychology Program Assistant. 2006-2007, Department of Psychology, University of North Carolina.
- Member, Promotion Sub-Committee for Deborah J. Jones, Ph.D. 2007, Department of Psychology, University of North Carolina.
- Member, Reappointment Sub-Committee for Deborah J. Jones, Ph.D. 2006, Department of Psychology, University of North Carolina.
- Chair, Colloquium Committee. 2007-2008, Department of Psychology, University of North Carolina.
- Member, Colloquium Committee. 2005-2009, Department of Psychology, University of North Carolina.
- Member, Psychobiology Faculty Search Committee. 2004-2005, Department of Psychology, University of North Carolina.
- Member, Training Program Committee. 2005, Neurobiology Curriculum, University of North Carolina.
- Member, Exam Committee. 2005-Present, Neurobiology Curriculum, University of North Carolina.
- Member, Admissions Committee. 2005-2007, Neurobiology Curriculum, University of North Carolina.
- Member, Executive Committee. 2005-2007, Neurobiology Curriculum, University of North Carolina.
- Interim Member, Administrative Boards of the College of Arts & Sciences and General College. 2005, University of North Carolina.



- Member, Building Improvement Committee. 2004, Department of Psychology, University of North Carolina.
- Chair, Animal Care and Use Committee. 2002-present, Department of Psychology, University of North Carolina.
- Member, Animal Care and Use Committee. 2001-2002, Department of Psychology, University of North Carolina.
- Member, Baughman Awards Selection Committee. 2002, 2003, Department of Psychology, University of North Carolina.
- Member, IACUC Subcommittee on protocol violations and sanctions. 2002-2003. University of North Carolina.
- Coordinator, Behavioral Neuroscience Graduate Student Search Committee. 2003, 2004, 2005, 2010, 2011. Department of Psychology, University of North Carolina.

SERVICE TO THE DISCIPLINE

PROFESSIONAL ORGANIZATIONS

- International Society for Biomedical Research on Alcoholism
- Research Society on Alcoholism
- Society for Neuroscience

EDITORIAL BOARD & CONFERENCE COMMITTEE MEMBERSHIP:

- Invited Member of the Editorial Board for the journal *International Review of Neurobiology*, 2018-present.
- Guest Editor, *International Review of Neurobiology* (Volume 136, 2017).
- Invited Member of the Editorial Board for the journal *Frontiers in Molecular Neuroscience*, 2015-present.
- Invited Member of the Editorial Board for the journal *Addiction Biology*. 2006-present.
- Invited Member of the Editorial Board for the journal *Neuropeptides*. 2011-present.
- Member of the *Research Society on Alcoholism* (RSA) 2017 Conference Program Committee, 2016-2017.
- Guest Editor, Special Issue of *Peptides* (Volume 28, Issue 2, 2007) on the Proceedings from the 2006 Neuropeptide Y Conference.



AD HOC JOURNAL REVIEWER:

- *Addiction Biology*
- *Alcohol*
- *Alcoholism: Clinical and Experimental Research*
- *Alcoholism, Drug Abuse and Substance Dependence*
- *Appetite*
- *American Journal of Physiology*
- *Behavioral Neuroscience*
- *Behavioural Brain Research*
- *Brain*
- *Brain, Behavior, and Immunity*
- *Brain Research*
- *Biochemical Pharmacology*
- *Biochimica et Biophysica Acta*
- *Biological Psychiatry*
- *Cerebral Cortex*
- *CNS Drugs*
- *CNS Neurological Disorders & Drug Targets*
- *European Journal of Neuroscience*
- *European Neuropsychopharmacology*
- *Genes, Brain, & Behavior*
- *Journal of Biology*
- *Journal of Neurochemistry*
- *Journal of Neuroscience*
- *Journal of Neuroscience Research*
- *Journal of Pharmacology and Experimental Therapeutics*
- *Journal of Studies on Alcohol*
- *Molecular Pharmacology*
- *Nature*
- *Neuropeptides*
- *Neuropharmacology*
- *Neuropsychopharmacology*
- *Neuroreport*
- *Neuroscience*
- *Neuroscience Letters*
- *Neuroscience & Biobehavioral Reviews*
- *Obesity Research*
- *Peptides*
- *Pharmacogenomics*
- *Pharmacology, Biochemistry, & Behavior*
- *Physiology & Behavior*
- *PLOS ONE*
- *Proceedings of the National Academy of Sciences, U.S.A.*



- *Psychonomic Bulletin & Review*
- *Psychopharmacology*
- *Regulatory Peptides*
- *Science*
- *Science Translational Medicine*

AD HOC REVIEW STUDY SECTIONS:

- *National Institute of Health*. Ad hoc reviewer for a Special Emphasis Panel (ZNS1 SRB-M (03)) (December, 2017).
- *National Institute of Health*. Ad hoc reviewer for a Special Emphasis Panel (ZAA1 CC (02)) (June, 2016).
- *National Institute of Health*. Ad hoc reviewer for a Special Emphasis Panel (ZAA1 DD (04) 1) (November, 2014).
- *National Institute of Health*. Ad hoc reviewer for a Special Emphasis Panel (ZRG1 IFCN-C (02) M) (May, 2014).
- *National Institute of Health*. Ad hoc reviewer for a Special Emphasis Panel (ZRG1 IFCN-C (03) M) (December, 2013).
- *National Institute of Health*. Ad hoc reviewer for a Special Emphasis Panel (ZRG1 IFCN-C (02) M) (May, 2013).
- *National Institute of Health*. Ad hoc reviewer for a Special Emphasis Panel (ZAA1 DD(50)) (May, 2011).
- *North Carolina TraC\$10K Pilot Award Program*. University of North Carolina, Chapel Hill, NC (March, 2009).
- *National Institute of Health*. Ad hoc reviewer for the Neurotoxicology and Alcohol Study Section (2008/05 NAL) (February, 2008).
- *National Institute of Health*. Ad hoc reviewer for the Neurotoxicology and Alcohol Study Section (2008/01 NAL) (October, 2007).
- *National Institute on Alcohol Abuse and Alcoholism*. Ad hoc reviewer for a Special Emphasis Review Panel (ZAA1 CC(16)) (August, 2007).
- *Centers for Health Research*, Research Triangle Park, NC. Ad hoc fellowship reviewer (April, 2007).
- *Neuroendocrinology, Neuroimmunology, and Behavior Study Section of NIH*. Ad hoc reviewer (October, 2006).
- *Jeffress Trust grant review for Bank of America*, Richmond, VA (August, 2006).



- *National Institute on Alcohol Abuse and Alcoholism*. Ad hoc reviewer for a Special Emphasis Review Panel (ZAA1 DD(62)) (March, 2006).
- *National Institute on Alcohol Abuse and Alcoholism*. Ad hoc reviewer for a Special Emphasis Review Panel (ZAA1 DD(42)) (July, 2005).
- *National Institute on Alcohol Abuse and Alcoholism*. Ad hoc reviewer for a Special Emphasis Review Panel (ZAA1 DD(30)) (March, 2005).
- *National Institute on Alcohol Abuse and Alcoholism*. Ad hoc reviewer for a Special Emphasis Review Panel (ZAA1 HH (04)) (December, 2004).
- *National Institute on Alcohol Abuse and Alcoholism*. Ad hoc reviewer for the Biomedical Research Review Subcommittee (AA-1) (June, 2004).
- *Biotechnology and Biological Sciences Research Council*, Swindon, UK (2000).

CONFERENCES & SYMPOSIUMS ORGANIZED AND/OR CHAIRED AND JUDGING

Poster Judge at the 2016 Triangle Society for Neuroscience (SFN) Spring Neuroscience Meeting, Research Triangle Park, NC.

Poster Judge at the 2015 Triangle Society for Neuroscience (SFN) Spring Neuroscience Meeting, Research Triangle Park, NC.

Co-Organized and chairing a symposium for the 2011 annual meeting of the Research Society on Alcoholism, Atlanta, GA. Symposium titled *Common Regulators of Excessive Alcohol Drinking in Dependent and Non-Dependent Animals*.

Co-Organizing the 8th NPY Meeting, St. Petersburg, Florida, 2006.

Co-Organized a symposium for the 2003 annual meeting of the Research Society on Alcoholism, Fort Lauderdale, Florida. Symposium titled *The Role of Ingestive Neuropeptides in the Regulation of Alcohol Self-Administration*.

Co-Organized and chaired a symposium for the 2002 annual meeting of the Research Society on Alcoholism, San Francisco, California. Symposium titled *Neuropeptide Y and Alcoholism: Genetic, Molecular, and Pharmacological Evidence*.

Chaired a session for the 2002 annual meeting of the Society for Neuroscience, Orlando, Florida. Session titled *Drugs of Abuse: Alcohol, Barbiturates, and Benzodiazepines II*.

Organized and chaired a symposium for the 2001 6th International NPY Conference, Sydney, Australia. Session titled *NPY and Drug Addiction*.