

CURRICULUM VITAE
Updated: 03-06-18

Name: Sandra Jean Kelly
 Date of Birth: September 18, 1958
 Place of Birth: Sault Ste. Marie, Ontario, Canada
 Citizenship: Canadian, American
 Current Positions: Vice Provost and Dean of Undergraduate Studies, University of South Carolina
 Carolina Trustee Professor of Psychology, University of South Carolina, Columbia SC
 Adjunct Professor of Pharmacology, Physiology, and Neuroscience, University of South Carolina School of Medicine
 Affiliate, Institute of Mind and Brain, University of South Carolina, Columbia

Place	Years	Degree or Position
University of South Carolina	01-01-2017-present	Vice Provost & Dean of Undergraduate Studies
University of South Carolina	08-16-2016- present	Affiliate, Institute of Mind and Brain
University of South Carolina	01-2015 to 08-2016	Associate Dean, South Carolina Honors College
University of South Carolina	1988 -present	Assistant, Associate and Full Professor of Psychology
Rudolf Magnus Institute of Neuroscience, Utrecht, Holland	2002	Visiting Scholar
University of South Carolina School of Medicine	1988-present	Adjunct Faculty (Pharmacology, Physiology, and Neuroscience)
State University of New York at Albany	1988	Research Assistant
University of Iowa	1985-1987	Professor (Psychology) Postdoctoral Assoc. (Anatomy)
McGill University	1983-1985	Ph.D. (Psychology)
McGill University	1981-1982	M.S. (Psychology)
McMaster University	1977-1981	Hon. B.S. (Psychology)

Awards and Honors

Faculty Fellow, South Carolina Honors College, 2014

SEC Academic Leadership Development Program Fellow, 2010 to 2011

Carolina Trustee Professorship in the area of Humanities, Social Sciences, Business and Law, Awarded by the Board of Trustees of the University of South Carolina, April 2008

Distinguished Undergraduate Mentor Award, University of South Carolina, April 2006.

Named in Who's Who Among America's Teachers, July 2005.

Russell Research Award for the Humanities and Social Sciences, University of South Carolina, 2004.

Michael J. Mungo Undergraduate Teaching Award, April 2000, University of South Carolina, Columbia SC.

Golden Key Faculty Award for Creative Integration of Research and Undergraduate Teaching, April 1999, University of South Carolina, Columbia, SC.

Mortar Board Award for Excellence in Teaching, November 1996, University of South Carolina, Columbia, SC.

THESIS AND DISSERTATION

M.Sc. (Psychology), McGill University, 1982. The influence of test conditions on morphine analgesia and a possible serotonergic mechanism.

Ph.D. (Psychology), McGill University, 1985. Analgesia induced by morphine and stress: An analysis of mechanisms.

GRANTS RECEIVED

1. Grant Title: Effects of early postnatal alcohol exposure on environmental reactivity
Principal Investigator: Sandra J. Kelly
Type of Award: Biomedical research support grant
Awarded by: University of South Carolina
Project Period: 12-01-88 through 11-30-1989
Amount of award: \$9,200
2. Grant Title: Alcohol Exposure during the Brain Growth Spurt
Principal Investigator: Sandra J. Kelly
Type of Award: First independent research support and transition
Grant Number: 1 R29 AA08080-01
Awarded by: National Institute on Alcoholism and Alcohol Abuse
Project Period: 03-01-89 through 02-28-94
Amount of award over five years: \$373,343
3. ADAMHA Small Instrumentation Grant
Awarded by: ADAMHA
Amount of award: \$12,391 for purchase of fume hood

4. Grant Title: An Animal Model of Attentional Dysfunctions in Infants with Respiratory Distress Syndrome or Fetal Alcohol Syndrome
Principal Investigator: John E. Richards, Ph.D.
Co-Principal Investigators: Sandra J. Kelly, Ph.D. and James R. Coleman, Ph.D.
Grant Number: 12-273
Awarded by: March of Dimes Social and Behavioral Research Division
Project Period: 03-01-91 through 02-28-93
Amount of award over two years: \$40,000
5. Grant Title: Alcohol exposure during all three trimester equivalents and social cooperation in rats.
Principal Investigator: Sandra J. Kelly, Ph.D.
Awarded by: Carolina Venture Fund Committee of the University of South Carolina
Project Period: 05-01-94 through 04-30-95
Amount of award: \$14,364
6. Grant Title: The Neurobiology of Social Motivation
Principal Investigator: Sandra J. Kelly, Ph.D.
Awarded by: University Research and Productive Scholarship Committee
Project Period: 01/01/97 through 12/31/97
Amount of award: \$9,974
7. Grant Title: Alcohol Exposure, Social Behavior and Development
Principal Investigator: Sandra J. Kelly, Ph.D.
Awarded by: National Institute on Alcohol Abuse and Alcoholism
Grant Number: R55 AA/OD11566-01
Project Period: 10/01/97 through 09/30/99
Amount of award: \$100,000 over 2 years
NOTE: Grant terminated upon award of RO1 AA11566 since both awards were based on same proposal.
8. Grant Title: Initiative for the Sharing of Teaching Resources
Principal Investigator: Sandra J. Kelly, Ph.D.
Awarded by: Provost's Instructional Innovation Grant Committee
Project period: 8/15/97 to 5/15/97
Amount of award: \$3,000
9. Grant Title: Symposium: The role of the hippocampus in learning and memory
Principal Investigator: Sandra J. Kelly, Ph.D.
National Science Foundation
Grant Number: IBN 9802692
Amount of Award: \$2,865
10. Grant Title: Gender differences in brain and behavior
Principal Investigator: Marlene A. Wilson, Ph.D.
Co-Principal Investigator: Sandra J. Kelly, Ph.D.
Funded by NIDA and NINDS
Grant number: R13DA12406
For a meeting in Nancy, France on June, 23, 1999. Funds are for travel by participants and meeting costs.
Funds: \$24,385

11. Grant Title: Request for a Liquid Scintillation Counter
Principal Investigator: Sandra J. Kelly, Ph.D.
South Carolina Research Institute
Grant Number: K300
Project Period: 01/01/2000 to 03/31/2000
Project Cost: \$23,000
12. Grant Title: Alcohol Exposure, Social Behavior and Development
Principal Investigator: Sandra J. Kelly, Ph.D.
National Institute on Alcohol Abuse and Alcoholism
Grant Number: RO1 AA11566-01
Project Period: 03/31/98 through 03/31/02
Projected Costs: \$646,000
13. Grant Title: Alcohol Exposure, social behavior and the amygdala
Principal Investigator: Joaquin N. Lugo
Sponsor: Sandra J. Kelly, Ph.D.
National Institute on Alcohol Abuse and Alcoholism
Grant Number: F31 AA05583
Project Period: 08/15/00 to 08/14/04
Project Cost: \$21,167 per year
14. Grant Title: Cortical organization and the limits of human potential
Principal Investigator: Sandra J. Kelly
Co-Principal Investigator: Robin Morris
Research and Productive Scholarship, University of South Carolina
Project Period: 04/01/04 to 03/30/05
Project Cost: \$11,000
15. Grant Title: Alcohol Exposure, Social Behavior and Development
Principal Investigator: Sandra J. Kelly, Ph.D.
Agency: National Institute on Alcohol Abuse and Alcoholism
Grant Number: RO1 AA11566-04
Project Period: 03/31/02 through 03/31/05
Project Costs: \$898,351
16. Grant Title: FIBR: Planning for a grant proposal on cortical organization and limits of human potential.
Principal Investigator: Sandra J. Kelly
Co-Principal Investigator: Robin Morris
National Science Foundation EF04042939
Project Period: 03/15/04 to 03/14/05
Project Cost: \$49,676
17. Grant Title: Effect of S 18986 on working memory tasks and oxidative stress in middle-aged rats
Principal Investigator: Lawrence Reagan, Ph.D.
Co-PI: Sandra J. Kelly
Agency: Institut de Recherches Internationales Servier
Project Period: 1 year 2005
Projected Costs: \$162,000
18. Grant Title: Social anticipation in an animal model of autism

- Magellan Scholar: L. Codi Black, Mentor: Sandra J. Kelly
 Agency: University of South Carolina Magellan Scholars Program
 Project Period: 01/01/07 to 12/31/07
 Projected Costs: \$3,000
19. Grant title: The effects of fetal ethanol exposure on the CB1 receptor in the amygdala and hippocampus
 Magellan Scholar: Cale Bonner, Mentor: Sandra J. Kelly
 Agency: University of South Carolina Magellan Scholars Program
 Project Period: 01/01/08 to 12/31/08
 Projected Costs: \$2,705
20. Grant Title: Hippocampal insulin signaling deficits in diabetic rats
 Principal Investigator: Lawrence Reagan, Ph.D.
 Co-I: Sandra J. Kelly (10%)
 Agency: National Institute of Health
 Project Period: 07/01/05 to 06/30/09
 Projected Costs: \$1,727,750 (First year direct costs: \$250,000)
21. Grant title: Alcohol exposure during development and the rewarding properties of sugar
 Magellan Scholar: Casey E. O'Neill, Mentor: Sandra J. Kelly
 Agency: University of South Carolina Magellan Scholars Program
 Project Period: 08/15/2008 to 08/14/2009
 Project costs: \$3,000
22. Grant Title: Alcohol Exposure, social behavior and development
 Principal Investigator: Sandra J. Kelly, Ph.D.
 Agency: National Institute of Alcoholism and Alcohol Abuse
 Project Period: 09/05/2010 to 08/31/2011
 Award: \$133,258
 Note: Supplement to RO1 AA11566 under American Recovery and Investment Act
23. Grant Title: Alcohol exposure, social behavior, and development
 Principal Investigator: Sandra J. Kelly, Ph.D.
 Agency: National Institute of Alcoholism and Alcohol Abuse RO1 AA11566
 Project Period: 12/1/05 to 11/30/11
 Award: \$2,300,845 (First year direct costs: \$324,008)
24. Grant title: Social buffering of the stress response in *Peromyscus polionotus*
 Magellan Scholarship Program University of South Carolina
 Principal Investigator: Anna Capps, Mentor: Sandra Kelly
 Project Period: 01/01/12 to 12/31/12
 Project Costs: \$3000
25. Grant title: Impact of alcohol exposure during development on dopamine receptors
 Magellan Scholarship Program University of South Carolina
 Principal Investigator: Daniel Wood, Mentor: Sandra J. Kelly
 Project Period 01/01/14 to 12/31/14
 Project Costs: \$2500

26. Magellan Guarantee Award
Principal Investigator: Tessa Crawford, Mentor: Sandra J. Kelly
Project Period: September 10, 2014 to May 15, 2015
Project Cost: \$2000
27. Grant title: SPARC: Neurochemical bases of attention in a rat model of Fetal Alcohol Spectrum Disorders
Principal Investigator: Victoria Macht, Mentor: Sandra J. Kelly
Project Period: May 15, 2015 to May 14, 2016
Project Cost: \$3,700

REFEREED PAPERS

1. Kelly, S. J. and Franklin, K. B. J. (1984) Evidence that stress augments morphine analgesia by increasing brain tryptophan. *Neuroscience Letters* 44: 305-310.
2. Kelly, S. J. and Franklin, K. B. J. (1984) Electrolytic raphe magnus lesions block analgesia induced by a stress-morphine interaction but not analgesia induced by morphine alone. *Neuroscience Letters* 52: 147-152.
3. Kelly, S. J. and Franklin, K. B. J. (1985) An increase in tryptophan in brain may be a general mechanism for the effect of stress on sensitivity to pain. *Neuropharmacology* 24: 1019-1025.
4. Franklin, K. B. J. and Kelly, S. J. (1986) Sympathetic control of tryptophan uptake and morphine analgesia in stressed rats. *European Journal of Pharmacology* 126: 145-150.
5. West, J. R., Kelly, S. J. and Pierce, D. R. (1987) Severity of alcohol-induced deficits in rats during the third trimester is determined by the pattern of exposure. *Alcohol and Alcoholism*, Suppl. 1: 461-465.
6. Goodlett, C. R., Kelly, S. J. and West, J. R. (1987) Early postnatal alcohol exposure that produces high blood alcohol levels impairs development of spatial navigation learning. *Psychobiology* 15: 580-593.
7. Kelly, S. J., Bonthius, D. J. and West, J. R. (1987) Developmental changes in alcohol pharmacokinetics in rats. *Alcoholism: Clinical and Experimental Research* 11: 281-286.
8. Kelly, S. J., Pierce, D. R. and West, J. R. (1987) Microencephaly and hyperactivity in adults rats can be induced by neonatal exposure to high blood alcohol concentrations. *Experimental Neurology* 96: 580-593.
9. Kelly, S. J., Hulsether, S. A. and West, J. R. (1987) Alterations in sensorimotor development: Relationship to postnatal alcohol exposure. *Neurotoxicology and Teratology* 9: 243-251.

10. Kelly, S. J. and Franklin, K. B. J. (1987) Role of peripheral and central opioid activity in analgesia induced by restraint stress. *Life Sciences* 41: 789-794.
11. West, J. R., Kelly, S. J. and Goodlett, C. R. (1988) Fetal alcohol syndrome and brain damage. *Australian Alcohol and Drug Review* 7: 61-64.
12. Kelly, S. J., Goodlett, C. R., Hulsether, S. A. and West, J. R. (1988) Impaired spatial navigation in adult female but not adult male rats exposed to alcohol during the brain growth spurt. *Behavioral Brain Research* 27: 247-257.
13. Kelly, S. J., Black, Jr., A. C. and West, J. R. (1989) Changes in muscarinic cholinergic receptors in the hippocampus of rats exposed to ethyl alcohol during the brain growth spurt. *Journal of Pharmacology and Experimental Therapeutics* 249: 798-804.
14. Kelly, S. J., Mahoney, J. C. and West, J. R. (1990) Changes in brain microvasculature resulting from early postnatal alcohol exposure. *Alcohol* 7: 43-47.
15. Barron, S., Kelly, S. J. and Riley, E. P. (1991) Neonatal alcohol exposure alters suckling behavior in neonatal rat pups. *Pharmacology, Biochemistry, & Behavior* 39: 423-428.
16. Kelly, S. J., Mahoney, J. C., Randich, A. and West, J. R. (1991) Indices of stress in rats: Effects of sex, perinatal alcohol and artificial rearing. *Physiology and Behavior* 49: 751-756.
17. Kelly, S. J. (1993) Sex differences and Fetal Alcohol Syndrome. *Science Matters* 3: 22-23.
18. Kelly, S. J. and Dillingham, R. J. (1994) Sexually dimorphic effects of perinatal alcohol exposure on social interactions and amygdala DNA and DOPAC concentrations. *Neurotoxicology and Teratology*, 16: 377-384.
19. Kelly, S. J. (1995) Fetal alcohol syndrome and social behavior. *Sci-Mat* 1: 37-38.
20. Kelly, S. J. (1996) Alcohol exposure during development alters hypothalamic neurotransmitter content. *Journal of Neural Transmission* 103: 55-67.
21. Wilson, J. H., Kelly, S. J., and Wilson, M. A. (1996) Early postnatal alcohol exposure in rats: Maternal behavior and estradiol levels. *Physiology and Behavior* 59: 287-293.
22. Kelly, S. J. (1996) Effects of alcohol exposure and artificial rearing during development on septal and hippocampal neurotransmitters in adult rats. *Alcoholism: Clinical and Experimental Research*, 20: 670-676.
23. Kelly, S. J. and Richards, J. E. (1997) Development of heart inter-beat variability in preweanling rats: Effects of exposure to alcohol and hypoxia. *Physiology and Behavior*, 61: 231-241.

24. Kelly, S. J. and Tran, T. D. (1997) Alcohol exposure alters social recognition and social communication in rats. *Neurotoxicology and Teratology*, 19: 383-389.
25. Kelly, S. J. and Richards, J. E. (1998) Heart rate and respiratory sinus arrhythmia in rats exposed to alcohol or hypoxia. *Neurotoxicology and Teratology*, 20: 193-202.
26. Thomas, S. E., Kelly, S. J., Mattson, S. N., and Riley, E. P. (1998) Comparison of social abilities of children with fetal alcohol syndrome to those of children with similar IQ scores and normal controls. *Alcoholism: Clinical and Experimental Research* 22: 528-533.
27. Tran, T. D. and Kelly, S. J. (1999) Alterations in hippocampal and hypothalamic monoaminergic neurotransmitter systems after alcohol exposure during all three trimester equivalents in adult rats. *Journal of Neural Transmission* 106:773-786.
28. Kelly, S. J., Ostrowski, N., and Wilson, M. A. (1999) Gender differences in brain and behavior: hormonal and neural bases. *Pharmacology, Biochemistry and Behavior* 64: 655-664.
29. Kelly, S. J., Day, N., and Streissguth, A. P. (2000) Effects of prenatal alcohol exposure on social behavior in humans and other species. *Neurotoxicology and Teratology* 22: 143-149.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3589998/?tool=nihms>
30. Tran, T. D., Cronise, K., Marino, M. D., Jenkins, W. J. and Kelly, S. J. (2000) Critical periods for the effects of alcohol exposure on brain weight, body weight, activity, and investigation. *Behavioural Brain Research* 116: 99-110.
31. Cronise, K. and Kelly, S. J. (2001) Maternal urinary tract infection alters water maze performance in the offspring. *Neurotoxicology and Teratology* 23: 373-379.
32. Cronise, K., Marino, M. D., Tran, T. D. and Kelly, S. J. (2001) Critical periods for the effects of alcohol exposure on learning in rats. *Behavioral Neuroscience* 115: 138-145.
33. Marino, M. D., Cronise, K., Lugo, J. N. and Kelly S. J. (2002) Ultrasonic vocalizations and maternal-infant interactions in a rat model of Fetal Alcohol Syndrome. *Developmental Psychobiology* 41: 341-351.
34. Lugo, Jr., J. N., Marino, M. D., Cronise, K., and Kelly, S. J. (2003) Effects of alcohol exposure during development on social behavior in rats. *Physiology and Behavior* 78 185-194.
35. Tran, T. D. and Kelly, S. J. (2003) Critical Periods for Ethanol-Induced Cell Loss in the Hippocampal Formation. *Neurotoxicology and Teratology* 25: 519-528.

36. Wilson, M. A. and Kelly, S. J. (2004) Editorial for the special issue of Pharmacology, Biochemistry and Behavior on "Sex and Drugs". *Pharmacology, Biochemistry and Behavior* 78: 377.
37. Marino, M., Askenov, M. and Kelly, S. J. (2004) Vitamin E protects against alcohol-induced cell loss and oxidative stress in the neonatal rat hippocampus. *International Journal of Developmental Neuroscience* 22: 363-377.
38. Lugo, J. N., Jr., Marino, M. D., Gass, J. T., Wilson, M. A. and Kelly, S. J. (2006) Alcohol exposure during development reduces resident aggression and testosterone in rats. *Physiology and Behavior* 87: 330-337. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3589998/>
39. Lugo, J. N., Jr., Wilson, M. A. and Kelly S. J. (2006) Perinatal ethanol exposure alters met-enkephalin levels of male and female rats. *Neuroteratology and Toxicology* 28: 238 – 244. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3596822/>
40. Lawrence, R. C., Bonner, H. C., Newsom, R. J. and Kelly, S. J. (2008) Effects of alcohol exposure during development on play behavior and c-Fos expression in response to play behavior. *Behavioural Brain Research* 188: 209-218. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2268088/>
41. Gass, J. T., Jenkins, W. J., Marino, M. D., Lugo, Jr., J. N. And Kelly, S. J. (2007) Alcohol exposure during development: Analysis of effects on female sexual behavior. *Alcoholism: Clinical and Experimental Research* 31: 2065-2072. DOI 10.1111/j.1530-0277.2007.00525
42. Newsom, R. J. and Kelly, S. J. (2008) Prenatal tetrahydrocannabinol (THC) exposure disrupts social and open field behavior in male rats. *Neurotoxicology and Teratology* 30: 213-219. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2497338/>
43. Kelly, S. J., Bernard, K., Muñoz, C., Lawrence, R. C., Thacker, J., Grillo, C. A., Piroli, G. G. and Reagan L. P. (2009) Effects of the AMPA receptor modulator S 18986 on cognition and oxidative stress in aged rats. *Psychopharmacology* 202: 225-235.
44. Kelly, S. J., Leggett, D., and Cronise, K. (2009) Sexually dimorphic effects of alcohol exposure during development on processing of social cues. *Alcohol and Alcoholism* 4: 555 - 560.
45. Kelly, S. J., Goodlett, C. R., and Hannigan, J. H. (2009) Animal models of Fetal Alcohol Spectrum Disorders: Impact of the social environment. *Developmental Disabilities Research Reviews* 15: 200-208. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3598020/>
46. Lawrence, R. C., Otero, N. K. H., and Kelly, S. J. (2012) Selective effects of perinatal ethanol exposure in medial prefrontal cortex and nucleus accumbens. *Neurotoxicology and Teratology* 34: 128-135.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3245770/>

47. Otero, N. K. H., Thomas, J. D., Saski, C. A., Xia, X. and Kelly, S. J. (2012) Choline supplementation and DNA methylation in the hippocampus and prefrontal cortex of rats exposed to alcohol during development. *Alcoholism: Clinical and Experimental Research* 36: 1701-1709.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3402564/>
48. Perkins, A., Lehmann, C., Lawrence, R. C. and Kelly S. J. (2013) Alcohol exposure during development: Impact on the epigenome. *International Journal of Developmental Neuroscience*, 31: 391-397.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3703477/>
49. Shorter, K. R., Owen, A., Anderson, V., Hall-South, A., Hayford, S., Cakora, P., Crossland, J. P., Georgi, V. R. M., Perkins, A., Kelly, S. J., Felder, M. R., and Vrana, P. B. (2014) Natural genetic variation underlying differences in *Peromyscus* Repetitive & Social/Aggressive Behaviors. *Behavioral Genetics* 44: 125-135.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3951310/>
50. Perkins, A. E., Fadel, J. R. and Kelly, S. J. (2015) The effects of postnatal alcohol exposure and galantamine on the context pre-exposure facilitation effect and acetylcholine efflux using *in vivo* microdialysis. *Alcohol* 49: 193-205.
51. Grillo, C., Piroli, G., Lawrence, R., Wrihten, S., Evans, A., Green, A., Wilson, S. Sakai, R., Kelly, S. Wilson, M., Mott, D. and Reagan, L. (2015) Downregulation of hippocampal insulin receptor expression impairs spatial learning and synaptic plasticity. *Diabetes* 64: 3927-3936.
52. Macht, V. A., Kelly, S. J. and Gass, J. T. (2017) Sex-specific effects of developmental alcohol exposure on cocaine-induced place preference in adulthood. *Behavioral Brain Research* 332: 259-268.

INVITED BOOK CHAPTERS AND BOOK REVIEWS

1. West, J. R., Goodlett, C. R. and Kelly, S. J. (1987) Alcohol and brain development. In D. H. Clouet and D. P. Friedman, Eds., *The role of Neuroplasticity in the Response to Drugs. NIDA Research Monograph*, 45-60.
2. Kelly, S. J. (1998) Review of *Alcohol, Pregnancy and the Developing Child*, edited by H.-L. Spohr and H.-C. Steinhausen, Cambridge University Press, 1996. *Journal of Studies on Alcohol* 59: 351-352.
3. Kelly, S. J. (2000) Review of *Control Mechanisms of Stress and Emotion: Neuroendocrine-Based Studies*, edited by H. Yamashita, J. W. Funder, J. g. Verbalis, Y. Ueta and Y. Endo, Elsevier Science Ltd., 1999. *Trends in Endocrinology and Metabolism* 11: 345-346.
4. Kelly, S. J. and Lawrence, R. C. (2008) Intra-gastric intubations of alcohol during the perinatal period. In: *Alcohol: Methods in Molecular Medicine*,

L. E. Nagy, ed., Humana Press, Totowa, NJ, pp. 104-112.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3596825/>

5. Otero, N. K. H. and Kelly, S. J. (2010) Sex differences in the teratogenic effects of alcohol: Findings from animal models. In: *Gender Differences in Effects of Prenatal Substance Exposure*, L. Kestler and M. Lewis, eds., American Psychological Association, Washington, DC, pp. 155 – 167.

REFEREED CONFERENCE ABSTRACTS AND PRESENTATIONS

1. Kelly, S. J. and Franklin, K. B. J. (1983) Raphe magnus lesions block the restraint potentiation of morphine analgesia. *Society for Neuroscience Abstracts* 9: 788.
2. Kelly, S. J. and Franklin, K. B. J. (1984) Environmental novelty potentiates morphine analgesia by increasing brain tryptophan uptake. *Canadian Psychology* 25: 2a.
3. Kelly, S. J. and Franklin, K. B. J. (1984) A stress-induced increase in brain tryptophan uptake: A general mechanism for the effect of stress on pain sensitivity. *Society for Neuroscience Abstracts* 10: 104.
4. Kelly, S. J. and Franklin, K. B. J. (1985) Tryptophan uptake, opioids, and sympathetic activity in analgesia induced by stress or by an interaction of stress and morphine. *Society for Neuroscience Abstracts* 11: 129.
5. Pierce, D. R., Kelly, S. J. and West, J. R. (1986) Permanent microencephaly is dependent on third trimester equivalent alcohol exposure pattern. *Alcoholism: Clinical and Experimental Research* 10: 118.
6. Kelly, S. J., Hulsether, S. A. and West, J. R. (1986) Alcohol exposure and artificial rearing during the third trimester equivalent have specific effects on the physical and motor development of rats. *Alcoholism: Clinical and Experimental Research* 10: 115.
7. Bonthius, D. J., Kelly, S. J. and West, J. R. (1986) Developmental changes in alcohol clearance in rats. *Alcoholism: Clinical and Experimental Research* 10: 106.
8. Goodlett, C. R., Kelly, S. J. and West, J. R. (1986) Early postnatal alcohol exposure that produces high blood alcohol concentrations (BACs) causes impaired development of spatial navigation learning. Meeting of International Society for Developmental Psychobiology at Annapolis, MD, page 24 of Program and Abstracts.
9. Kelly, S. J., Pierce, D. R. and West, J. R. (1986) Adult male and female rats exhibit microencephaly and increased locomotion when exposed to

- high but not low blood alcohol concentrations as neonates. *Society for Neuroscience Abstracts* 12: 1559.
10. Kelly, S. J., Black, Jr., A. C. and West, J. R. (1987) Early postnatal alcohol permanently alters cyclic GMP response to muscarinic cholinergic stimulation in the hippocampus. *Alcoholism: Clinical and Experimental Research* 11: 203.
 11. Kelly, S. J., Randich, A. and West, J. R. (1987) Increased rate of extinction of conditioned suppression in adult female but not male rats artificially reared during the early postnatal period. Meeting of International Society for Developmental Psychobiology at New Orleans, LA, page 28 of Program and Abstracts.
 12. Kelly, S. J., Goodlett, C. R., Hulsether, S. A. and West, J. R. (1987) Impaired spatial navigation in adult female but not adult male rats exposed to alcohol during the brain growth spurt. *Society for Neuroscience Abstracts* 13: 507.
 13. Kelly, S. J., Mahoney, J. C. and West, J. R. (1988) Adult corticosterone response to swim stress: Potentiation by alcohol exposure during the brain growth spurt. *Alcoholism: Clinical and Experimental Research* 12: 344.
 14. West, J. R. and Kelly, S. J. (1988) Effect of alcohol exposure during the brain growth spurt on the microvasculature of the central nervous system. *Alcoholism: Clinical and Experimental Research* 12: 343.
 15. Kelly, S. J., Black, A. C., Jr. and West, J. R. (1988) Increase in number and Kd of muscarinic cholinergic receptors in hippocampus of adult rats exposed to alcohol during the brain growth spurt. *Society for Neuroscience Abstracts* 14: 705.
 16. Goodlett, C. R., Kelly, S. J., Black, A. C., Bonthius, D. J. and West, J. R. (1988) Effects of early postnatal alcohol on the hippocampus and cerebellum: Links to impaired spatial performance. Meeting of International Society for Developmental Psychobiology at Toronto, Ont., page 16 of Program and Abstracts.
 17. Kelly, S. J. and Riley, E. P. (1989) Effects of alcohol exposure during the brain growth spurt on neurotransmitter levels in adult rats. *Alcoholism: Clinical and Experimental Research* 13: 319.
 18. Barron, S., Kelly, S. J., and Riley, E. P. (1989) The effects of neonatal alcohol exposure on suckling performance in rat pups. *Alcoholism: Clinical and Experimental Research* 13: 319.
 19. Kelly, S. J. (1990) Social and object interactions in rats: Effects of early postnatal alcohol exposure. *Alcoholism: Clinical and Experimental Research* 14: 302.
 20. Kelly, S. J. and Dillingham, R. R. (1990) Effect of alcohol exposure during the brain growth spurt on composition of four limbic areas in 40 to 45 day old rats. . *Society for Neuroscience Abstracts* 16: 32.

21. Kelly, S. J. (1991) Alcohol exposure during the brain growth spurt causes changes in social behavior and limbic regions in adult rats. *Alcoholism: Clinical and Experimental Research* 5: 337.
22. Kelly, S. J. and Dillingham, R. R. (1991) Neurotransmitter levels in limbic regions in stressed and nonstressed rats exposed to alcohol during development. . *Society for Neuroscience Abstracts* 17: 1505.
23. Wilson, J. H. and Kelly, S. J. (1991) Effect of exposure to ethanol during development on play behavior. *Society for Neuroscience Abstracts* 17: 1505.
24. Kelly, S. J. (1992) Effects of alcohol exposure during development of the amygdala. *Alcoholism: Clinical and Experimental Research* 16: 378.
25. Bailey, S. P., Davis, J. M., Ahlborn, E. and Kelly, S. J. (1992) Increased brain serotonergic (5-HT_{1C}) activity reduces endurance performance in the rat. *Medicine and Science in Sport and Exercise* 24(5): S179.
26. Bailey, S. P., Davis, J. M., Kelly, S. J. and Ahlborn, E. N. (1992) Effects of prolonged exercise to fatigue on brain monoamines in the rat. *Society for Neuroscience Abstracts* 18: 1528.
27. Kelly, S. J. (1992) Effects of alcohol exposure during development on the neurochemistry of the amygdala. *Society for Neuroscience Abstracts* 18: 1115.
28. Wilson, J. H. and Kelly, S. J. (1992) The effect of early postnatal ethanol exposure on light-dark preference in preweanling rats. *Society for Neuroscience Abstracts* 18: 1115.
29. Kelly, S. J. (1993) Neurochemical changes in the amygdala region under stressed conditions in 21 day old rats exposed to alcohol during development. *Alcoholism: Clinical and Experimental Research* 17: 453.
30. Thomas, S. E., Grant, J. L. and Kelly, S. J. (1993) Social recognition in rats: Effects of alcohol exposure during development. *Society for Neuroscience Abstracts* 19: 1834.
31. Miyazaki, C. R. and Kelly, S. J. (1994) Effect of alcohol exposure during development on the amygdala region. *Society for Neuroscience Abstracts* 20: 1619.
32. Kelly, S. J., O'Neill, R. and Beylotte F. (1995) Enhanced responsiveness to social communication of diet preference observed in female rats exposed to alcohol during development. *Alcoholism: Clinical and Experimental Research* 19: 102A.
33. Wilson, J. H., Kelly, S. J. and Wilson, M. A. (1995) Early postnatal alcohol exposure in rats: Maternal Behavior and estradiol levels. *Alcoholism: Clinical and Experimental Research* 19: 20A.
34. Kelly, S. J. and Tran, T. D. (1995) Social recognition memory is disrupted in adult rats of both sexes by alcohol exposure from postnatal day 2

- through 10. *Abstracts of the International Behavioral Neuroscience Society* 4: 55.
34. Tran, T. D. and Kelly, S. J. (1995) Impaired social memory in rats of both sexes exposed to alcohol during the brain growth spurt. *Society for Neuroscience Abstracts* 21: 2016.
 35. Richards, J. E. and Kelly, S. J. (1995) Development of heart rate, RSA, and heart rate orienting in rat pups: A model for Fetal Alcohol Syndrome and Respiratory Distress Syndrome? *Psychophysiology* 32(Suppl.1): S62.
 36. Thomas, S. E., Kelly, S. J., Mattson, S. N. and Riley, E. P. (1996) Specific social abilities in children with FAS: A comparison to cognitively-matched and normal controls. *Alcoholism: Clinical and Experimental Research* 20: 74A.
 37. Kelly, S. J. and Richards, J. E. (1996) Heart rate orienting response and respiratory sinus arrhythmia in rats exposed to alcohol or hypoxia during the early postnatal period. *Abstracts of the International Behavioral Neuroscience Society* 5: 68.
 38. Tran, T. D. and Kelly, S. J. (1996) Alterations in neurotransmitter and metabolite levels within the hypothalamus of rats pre- and postnatally exposed to alcohol. *Society for Neuroscience Abstracts* 22: 1968 .
 39. Kelly, S. J. (1997) Affiliative motivation in rats of both sexes. *Abstracts of the International Behavioral Neuroscience Society* 6: 41.
 40. Tran, T. D. and Kelly, S. J. (1997) Exposure to alcohol during all three trimester equivalents increases basal hippocampal noradrenaline levels in female rats. *Alcoholism: Clinical and Experimental Research* 21: 84A.
 41. Cronise, K. and Kelly, S. J. (1998) Alcohol exposure during development alters social motivation in rats. *Alcoholism: Clinical and Experimental Research* 22: 341.
 42. Tran, T. D. and Kelly, S. J. (1998) The three trimester model: A characterization of body weight and blood alcohol concentration. *Alcoholism: Clin. Exp. Res.* 593.
 43. Cronise, K, Kelly, S. J. and Wilson, M. (1998) Alcohol exposure alters social motivation and oxytocin binding in rats. *Abstracts of the International Behavioral Neuroscience Society* 7: 23 .
 44. Tran, T. D. and Kelly, S. J. (1998) A three trimester model of alcohol exposure that induces high perinatal BACs and does not induce nutritional deficits in rats. *Society for Neuroscience Abstracts* 24: 47.
 45. Jackson, T.C. and Kelly, S.J. (1999) Medial amygdala lesions alter social affiliation in male and female rats in a sexually dimorphic manner. *Abstracts of the International Behavioral Neuroscience Society* 7: 23.

46. Cronise, K. and Kelly, S. J. (1999) Does a maternal urinary tract infection during gestation produce teratogenic effects in the Long-Evans rat? *Society for Neuroscience Abstracts* 25: 2019.
47. Tran, T. D., Marino, M. D., Cronise, K., Gobbel, C. L. and Kelly, S. J. (1999) Critical periods of alcohol exposure during development for behavioral dysfunction. *Society for Neuroscience Abstracts*, 25:2021.
48. Kelly, S. J., Tran, T. D., Cronise, K., and Marino, M. D. (2000) Critical periods of alcohol exposure during development for hyperactivity and decreased brain weight. *Abstracts of the International Behavioral Neuroscience Society* 9: 29.
49. Cronise, K., Marino, M., Tran, T. and Kelly, S. J. (2000) Critical periods of perinatal ethanol exposure on brain weight and brain/body weight ratios. *Alcoholism: Clinical and Experimental Research* 29: 29A.
50. Marino, M. D., Cronise, K., Tran, T. D., Lugo, J. N., Slappey, L. G. and Kelly S. J. (2000) Critical periods of perinatal alcohol exposure on activity and exploratory behavior. . *Alcoholism: Clinical and Experimental Research*, 29: 59A.
51. Tran, T. D., Cronise, K. and Kelly, S.J. (2000) Systematic examination of the effects of alcohol on the total number of neurons in the rat hippocampal formation during different periods of development using unbiased stereology. *Alcoholism: Clinical and Experimental Research* 24: 30A.
52. Lugo, Jr., J. N., Cronise, K., Marino, M. D., Slappey, L. G., and Kelly S. J. (2000) Effects of perinatal ethanol exposure on social motivation in juvenile rats. *Abstracts of the Society for Neuroscience* 26: 1307.
53. Marino, M. D., Cronise, K., Lugo, J. N., Slappey, L. G. and Kelly, S. J. (2000) Effects of combined prenatal and postnatal alcohol exposure on dam-pup interactions: Retrieval latencies. *Abstracts of the Society for Neuroscience* 26: 1307.
54. Cronise, K., Marino, M. D., Lugo, J. N., Slappey, L. G. and Kelly, S. J. (2000) Effects of perinatal ethanol exposure on attentive maternal behaviors. *Abstracts of the Society for Neuroscience* 26: 1097.
55. Wilson, M. A., Primeaux, S. P., Kelly, S. J., Ford, K., Smith, A. S. and Wilson, S. P. (2001) The role of amygdalar enkephalin (ENK) and neuropeptide Y (NPY) in ethanol consumption: Studies using herpes virus-mediated gene transfer. Program No. 980.10 2001 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience 2001. CD-ROM.
56. Lugo, J. N. and Kelly, S. J. Perinatal alcohol exposure decreases volume of accessory olfactory and frontotemporal systems of the extended amygdala. Program No. 877.5 2001 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience 2001. CD-ROM.

57. Marino, M. D. and Kelly, S. J. Effects of antioxidant treatment on learning deficits in alcohol-exposed rats. Program No. 207.13. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2002. CD-ROM.
58. Lugo, J. N., Marino, M. D., Gass, J. T., Heape, E. and Kelly, S. J. The effects of perinatal ethanol exposure on aggressive behaviors in male and female rats. Program No. 207.15. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2002. CD-ROM
59. Gass, J. T., Marino, M. D., Lugo, J. N., Champion, A., Reese, M. K. and Kelly, S. J. Perinatal alcohol exposure alters sexual behavior in rats. Program No. 207.17. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2002. CD-ROM.
60. Kelly, S. J., Gerritts, M. A. F. M., Wolterink-Donselaar, I. G., and van Ree, J. M. (2003) Effects of neonatal bilateral amygdala lesions on group social dynamics in adult rats. *Abstracts of the International Behavioral Neuroscience Society* 12: 48.
61. Marino, M.D. and Kelly, S. J. Vitamin E reduces oxidative stress in the hippocampus of alcohol-treated neonatal rats. Program No. 423.9. 2003 Abstract Viewer/Itinerary Planner. New Orleans, LA: Society for Neuroscience, 2003. CD-ROM.
62. Gass, J. T., Lugo, J. N. and Kelly, S. J. Perinatal alcohol exposure alters responsiveness to olfactory cues in rats. Program No. 41.6. 2004. Abstract Viewer/Itinerary Planner. San Diego, CA: Society for Neuroscience, 2004. CD-ROM.
63. Lugo, J. N. and Kelly, S. J. Effect of early ethanol exposure on mu and delta receptors in adult male and female rats. Program No. 616.12. 2004. Abstract Viewer/Itinerary Planner. San Diego, CA: Society for Neuroscience, 2004. CD-ROM.
64. Gass, J. T., S.J. Kelly, C.A. Grillo, and Reagan, L. P. (2005) The effect of Perinatal Alcohol Exposure on HNE Immunoreactivity in the Hippocampus. *Alcoholism: Clinical and Experimental Research* 29: 14A.
65. Warren, A. C., Harvey, R. S., Gass, J. T., Bright, L. A., Newsom, R. J. and Kelly, S. J. Program No. 916.2. 2005. Analysis of changes in play behavior induced by alcohol exposure during development. Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2005. CD-ROM.
66. Newsom, R. J., Gass, J. T., Oliver, N. K. H., Davis, J. B., Bright, L.A. and Kelly, S. J. Program No. 995.18. 2005. Influence of skill acquisition on later performance in tests of social behavior and cognition. Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2005. CD-ROM.
67. Gass, J. T., Lugo, J. N., Marino, M. D., and Kelly, S. J. Program No. 110.6. 2005. The effect of perinatal alcohol exposure on ultrasonic vocalization response: the role of alcohol withdrawal. Abstract

- Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2005. CD-ROM.*
68. Gass, J. T. and Kelly, S. J. Program No. 477.15. 2006. The effect of developmental alcohol exposure on drug cue processing in adulthood. *Abstract/Viewer/Itinerary Planner. Atlanta, GA: Society for Neuroscience, 2006. CD-ROM.*
 69. Black, L. C., Walton, A. L., Gazda, R. L. and Kelly, S. J. Developmental alcohol exposure and effects on attentional set shifting in Long-Evans rats: A pilot study. Presented at the SYNAPSE Meeting, Davidson College, Davidson, NC March 31, 2007.
 70. Bonner, H. C., Lawrence, R. C. and Kelly S. J. Neuronal activation as measured by c-fos immunoreactivity by play behavior is altered in rats exposed to ethanol during development. Presented at the SYNAPSE Meeting, Davidson College, Davidson, NC March 31, 2007.
 71. Teal, J. M., Keita, J., Iyengar, S., Newsom, R. J., Lawrence, R. C., Coleman, J., Bonilha, L., Kelly, S. J. and Mott, D. D. Seizure-induced neurodegeneration impairs spatial memory in temporal lobe epilepsy. Presented at the SYNAPSE Meeting, Davidson College, Davidson, NC March 31, 2007.
 72. Lawrence, R. C., Bonner, C. H., Newsom, R. J. and Kelly, S. J. (2007) Effects of alcohol exposure during development on play behavior and c-Fos expression in response to play behavior. Presented at the GA/SC Neuroscience Consortium, Augusta, GA, April 21, 2007.
 73. Gazda, R. L. and Kelly, S. J. Attentional set shifting: A rat model of the Wisconsin card sorting test. Presented at the GA/SC Neuroscience Consortium, Augusta, GA, April 21, 2007.
 74. Kelly, S. J. and Leggett, D. (2007) Implications of the impact of alcohol exposure during development on social recognition memory. Abstracts of the International Behavioral Neuroscience Society, June 2007.
 75. Lawrence, R. C., Newsom, R., Bonner, C. H. and Kelly, S. J. (2007) Neural and behavioral basis of alcohol's teratogenic effects on play in the rat. Abstracts of the International Behavioral Neuroscience Society, June 2007.
 76. Newsom, R. J. and Kelly, S. J. Prenatal tetrahydrocannabinol (THC) disrupts social and open field behavior in Long-Evans male rats. Abstracts of the International Behavioral Neuroscience Society, June 2007.
 77. Reagan, L. P., Bernard, K., Munoz, C., Thacker, J., and Kelly, S. J. The AMPA/kine S 18986 inhibits cognitive decline in memory performance in middle-aged rats. Program No. 96.10 2007. *Abstract Viewer/Itinerary Planner. San Diego, CA: Society for Neuroscience, 2007. CD-ROM.*
 78. Lawrence, R. C., Newsom, R. J., Bonner, H. C. and Kelly, S. J. Alcohol exposure during development may alter social play via its impact on somatosensory processing. Program No. 64.9 2007. *Abstract*

- Viewer/Itinerary Planner. San Diego, CA: Society for Neuroscience, 2007. CD-ROM.*
79. Gazda, R. L., Black, L. C., Walton, A. L. and Kelly, S. J. Effect of ethanol exposure during development on attentional set shifting. Program No. 209.19 2007. *Abstract Viewer/Itinerary Planner. San Diego, CA: Society for Neuroscience, 2007. CD-ROM.*
 80. Newsom, R. J., Iyengar, S., Lawrence, R. C., Coleman, J., Bonilha, L., Kelly, S. J. and Mott, D. D. Changes in open field activity and social interactions in a model of temporal lobe epilepsy vary as a function of time from first seizure. Program No. 375.3 2007. *Abstract Viewer/Itinerary Planner. San Diego, CA: Society for Neuroscience, 2007. CD-ROM.*
 81. Iyengar, S., Teal, J. M., Keata, J., Newsom, R. J., Lawrence, R., C., Coleman, J., Bonilha, L., Kelly, S. J., and Mott, D. D. Progressive impairment in spatial memory, but not social recognition memory in temporal lobe epilepsy. Program No. 375.4 2007. *Abstract Viewer/Itinerary Planner. San Diego, CA: Society for Neuroscience, 2007. CD-ROM.*
 82. Lawrence, R. C. and Kelly, S. J. (2008) Alterations in dendritic morphology following perinatal alcohol exposure changes over the lifespan. *Alcoholism: Clinical and Experimental Research*, 32: 22A.
 83. Gazda, R. L. and Kelly S. J. Effect of alcohol exposure during development on acquisition of cocaine sensitization in adolescent rats. Program No. 847.6 2008. *Abstract viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2008. CD-ROM.*
 84. Lawrence, R. and Kelly S. J. Longitudinal assessment of dendritic morphology in an animal model of Fetal Alcohol Spectrum Disorder. Program No. 747.13 2008. *Abstract viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2008. CD-ROM.*
 85. Oliver, N. K. and Kelly, S. J. Sex differences in behavioral and corticosterone responses after chronic stress in the adolescent rat. Program No. 96.19 2008. *Abstract viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2008. CD-ROM.*
 86. Yates, C. L., Lawrence, R. C., Bonner, H. C. and Kelly, S. J. Effects of ethanol exposure during development on the cannabinoid CB1 receptor. Program No. 747.14 2008. *Abstract viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2008. CD-ROM.*
 87. O'Neill, C. E. and Kelly, S. J. The Rewarding Properties of Sugar in an Animal Model of Fetal Alcohol Spectrum Disorders. *Symposium for Young Neuroscientists and Professors of the Southeast*, College of Charleston, Charleston SC, March 24, 2009.
 88. O'Neill, C. E. and Kelly, S. J. The Rewarding Properties of Sugar in an Animal Model of Fetal Alcohol Spectrum Disorders. *GA/SC Neuroscience Consortium*, University of Georgia, Athens, GA, April 25, 2009.

89. Lawrence, R. C. and Kelly, S. J. Perinatal ethanol exposure produces alterations in synaptic distribution in pre-limbic cortex. *GA/SC Neuroscience Consortium, University of Georgia, Athens, GA, April 25, 2009.*
90. Yates, C. L and Kelly, S. J. Neuroprotectant properties of neurosteroids following neonatal ethanol exposure. *International Behavioral Neuroscience Society, Bahamas, June 2009.*
91. Gazda, R. L., Piroli, G., Reagan, L. P. and Kelly S. J. Impact of alcohol exposure during development on locomotion and dopamine transporter levels in response to chronic cocaine. Program No. 157.12 2009. *Abstract viewer/Itinerary Planner. Chicago, IL: Society for Neuroscience, 2009. CD-ROM.*
92. Lawrence, R. C., Yates, C. L., and Kelly, S. J. Alterations in endocannabinoid receptor (CB1) binding following perinatal ethanol exposure. Program No. 157.9 2009. *Abstract viewer/Itinerary Planner. Chicago, IL: Society for Neuroscience, 2009. CD-ROM.*
93. Otero, N. K. H., Lawrence, R. C. and Kelly S. J. Alcohol Exposure during Development: A Stereological Cell Count in the Nucleus Accumbens. Program No. 157.6 2009. *Abstract viewer/Itinerary Planner. Chicago, IL: Society for Neuroscience, 2009. CD-ROM.*
94. Kelly, S. J., Lawrence, R. C. and Otero, N. K. H. Alcohol exposure during development and its impact on the nucleus accumbens. *Alcoholism: Clinical and Experimental Research* 34: 161A, 2010.
95. Perkins, A. E., Lehmann, C. F., Lawrence, R. C. and Kelly, S. J. Alterations in the hippocampal epigenome as a result of perinatal exposure to ethanol in the rat. Presented at the *12th Annual Frontiers in Neuroscience Research Meeting, Seabrook Island, SC, April 2011.*
96. Perkins, A. E., Lehmann, C. F., Lawrence, R. C. and Kelly, S. J. Alterations in the hippocampal epigenome as a result of perinatal exposure to ethanol in the rat. Abstracts of the International Behavioral Neuroscience Meeting; Steamboat Springs, CO, May 2011.
97. Jones, S, Capps, A., and Kelly, S. J. Pair bonding and alcohol consumption in monogamous and promiscuous *Peromyscus*. Presented at the *12th Annual Frontiers in Neuroscience Research Meeting, Seabrook Island, SC, April 2011.*
98. Thomas, J. D., Monk, B., Idrus, N. M., Otero, N. K. H. and Kelly, S. J. Mechanisms by which choline mitigates fetal alcohol spectrum disorders. *Alcoholism: Clinical and Experimental Research* 35: 274A, 2011.
99. Perkins, A. E., Lehmann, C. F., Lawrence, R. C. and Kelly, S. J. Alterations in the hippocampal epigenome as a result of perinatal exposure to ethanol in the rat. Program No. 777.11 2011. *Abstract viewer/Itinerary Planner. Washing DC: Society for Neuroscience, 2011. CD-ROM.*

100. Grillo, C. A., Piroli, G. G., Lawrence, R. C., Evans, A. N., Wrighten, S. A., Wilson, S. P., Kelly, S. J., Mott, D. D. and Reagan, L. P. Downregulation of hippocampal insulin receptor impairs spatial learning and synaptic plasticity. Program No. 731.08 2011. *Abstract viewer/Itinerary Planner*. Washing DC: Society for Neuroscience, 2011. CD-ROM.
101. Perkins, A. E. and Kelly S. J. Voluntary ethanol consumption in three Peromyscus species that differ in social structure. *Alcoholism: Clinical and Experimental Research* 36: 94A, 2012.
102. Macht, V. A., Capps, A. C., Perkins, A. E. and Kelly, S. J. Comparison of stress reactivity to predator odor in promiscuous and monogamous species of Peromyscus. Program No. 655.09 2013. *Abstract Viewer/Itinerary Planner, San Diego, CA: Society for Neuroscience 2013*. <http://www.sfn.org/annual-meeting/neuroscience-2013/Abstracts-and-Sessions/Program/Abstract-PDFs-2013>
103. Perkins, A. E., Capps, A. C., and Kelly, S. J. The relationship between social structure, voluntary alcohol consumption and tyrosin hydroxylase in three Peromyscus species. Program No. 448.05, 2013. *Abstract Viewer/Itinerary Planner, San Diego, CA: Society for Neuroscience 2013*. <http://www.sfn.org/annual-meeting/neuroscience-2013/Abstracts-and-Sessions/Program/Abstract-PDFs-2013>
104. Macht, V. A., Wood, D. Perkins, A. E. and Kelly, S. J. The impact of chronic juvenile amphetamine treatment on locomotor activity: Implications for the treatment of Fetal Alcohol Syndrome. *Annual meeting of the Southeast Neuroscience Meeting*, Augusta Georgia April 19, 2014.
105. Capps, A. C., Perkins, A. E., Macht, V. A., and Kelly, S. J. Social buffering of the stress response in *Peromyscus Polionotus*. *Annual Meeting of the Southeast Neuroscience Meeting*, Augusta Georgia April 19, 2014.
106. Macht, V. A. and Kelly, S. J. Impact of chronic low-dose amphetamine treatment during juvenile development on catecholamine neurons in a model of Fetal Alcohol Spectrum Disorders. *Alcoholism: Clinical and Experimental Research* 39S1: 52A, 2015.
107. Perkins, A. E., Fadel, J. R. and Kelly, S. J. Disruption of hippocampal acetylcholine efflux in an animal model of Fetal Alcohol Spectrum Disorders. *Alcoholism: Clinical and Experimental Research* 39S1:53A, 2015.
108. VanScoy, I., Bowers, P. and Kelly, S. J. Promoting, Tracking and Recognizing Meaningful Engagement at a Large Institution. Session CS-65, Dec 4, 2017. SACSCOC Conference, December 4 2017, Dalla, TX, USA.

INVITED TALKS

1. South Carolina Chapter of Society for Neuroscience. "Effects of alcohol exposure during the brain growth spurt on the hippocampus". April 21, 1989

2. University of South Carolina School of Medicine's Biomedical Seminar Series. "Effects of perinatal alcohol exposure on the central nervous system in the rat". March 4, 1991
3. Fetal Alcohol Syndrome Network of the South Carolina Alcohol and Drug Abuse Commission. "Effects of perinatal alcohol exposure on learning and social behavior". May 21, 1991
4. South Carolina Chapter of Society for Neuroscience. "Perspectives on Social Cognition". May 27, 1992.
5. South Carolina Chapter of Society for Neuroscience. "Affiliation and Oxytocin." March 24, 1993.
6. Annual Meeting of the South Carolina Chapter of the Society for Neuroscience, Invited Address at Wild Dunes, SC. "Effects of Alcohol Exposure during Development of Social Behavior and The Amygdala." May 21, 1993.
7. Annual Meeting of Research Society on Alcoholism, Fetal Alcohol Study Group, Invited Address in San Antonio, TX. "Long Term Changes in Social Behaviors of Rats exposed to Ethanol in "the third trimester" correlated to DNA concentration and neurotransmitters in the Amygdala". June 19, 1993.
8. Chair of APA Science Weekend Session entitled "Hebbian Contributions to Contemporary Psychology". The speakers were Brenda Milner, Sc.D., Peter Milner, Ph.D., and Marilyn Jager Adams, Ph.D. August 20, 1993.
9. Invited Colloquium at the Department of Psychology, Augusta College, Augusta, GA. "Fetal Alcohol Syndrome and Social Behavior". October 15, 1993.
10. Seminar for Neuroscience Journal Club, Columbia, SC. "Social Recognition, Testosterone, and Vasopressin". August 31, 1994.
11. Invited Colloquium at the Department of Psychology, Midlands Technical College, Columbia SC. "Fetal Alcohol Syndrome: Implications of Animal Models". November 30, 1994.
12. Seminar for Neuroscience Journal Club, Columbia, SC. "The Study of Consciousness in Neuroscience". January 25, 1995.
13. Invited Colloquium at the Department of Exercise Science, University of South Carolina, Columbia SC. "Fetal Alcohol Syndrome: Implications of Animal Models". February 13, 1995.
14. Invited Chair of "Session IIIa: Memory", at Fourth Annual Meeting of International Behavioral Neuroscience Society, Santiago de Compostela, Spain. May 19, 1995.
15. Invited Panelist in a session on "The role of the peer leader in freshman seminars" at the 15th Annual Freshman Year Experience Conference, Columbia, SC. Feb. 17, 1996.

16. Symposium at Research Society on Alcoholism, San Francisco, CA. "The Effects of Alcohol Exposure during Development on Social Behavior". July 21, 1997.
17. Seminar for Relationships Interest Group, Columbia SC. "Fetal Alcohol Syndrome: Social Development gone awry.", September 26, 1997.
18. Seminar for Neuroscience Journal Club, Columbia SC. "Neurobiology and Functional Significance of Social Play." October 1, 1997
19. Keynote Speaker, Pharmacology, Biochemistry and Behavior Third Annual European Meeting, Morzine, France. "Alcohol Exposure during Development: Effects on Social Behavior.", January 6, 1998.
20. Invited Colloquium for SC Association for Women in Science, School of Public Health, University of South Carolina. "Alcohol exposure during Development: Effect on the brain and behavior." March 27, 1998.
21. Seminar for Neuroscience Journal Club, Columbia, SC. "Multiple interactions between stress and the process of drug addiction. March 17, 1999.
22. Invited Speaker for the Neuroscience Class of 1960's Scholars Program, Williams College, Williamstown, MA. "Social dysfunction as a core characteristic of Fetal Alcohol Syndrome: Brain and behavioral mechanisms." April 19, 1999.
23. Seminar for Department of Developmental Biology and Anatomy, University of South Carolina School of Medicine. "Developmental Psychobiology", August 24, 1999.
24. Invited Colloquium at the Department of Psychology, University of Ottawa, Ottawa, Ontario, Canada. "Critical periods and social deficits in Fetal Alcohol Syndrome". February 18, 2000.
25. Invited Speaker, International Society for Research on Aggression, Montreal, Quebec, Canada. "Alcohol exposure during development and aggression: Trying to establish a causal link". August 29, 2002.
26. Invited Speaker, Department of Pharmacology, Physiology, and Neuroscience, University of South Carolina School of Medicine, Columbia, SC. "Effects on the social behavior system by exposure to alcohol during development". September 26, 2003.
27. Invited Speaker, Fifth European Meeting sponsored by journal of Pharmacology, Biochemistry and Behavior. "Developmental alcohol exposure and sexual behavior". Morzine, France. January 5, 2004.
28. Invited Colloquium at the Department of Exercise Science, University of South Carolina, Columbia, SC. "Alcohol exposure during development and alterations in social behavior". March 19, 2004.
29. Invited speaker, Celebrating Women in Science in South Carolina symposium. "Alcohol effects on the brain". March 20, 2004.

30. Invited speaker, Curso "Ricardo Miledi", Instituto de Neurobiología, UNAM, Juriquilla, Queretaro, Mexico. "Motor behavior as a measure, as a confound, and as a model system" August 31, 2004. "Animal models of developmental disorders", September 1, 2004.
31. Invited speaker, Russell Research Award Lecture, University of South Carolina. "Fetal Alcohol Syndrome: A behavioral analysis of the deficits in social behavior". November 1, 2004.
32. Invited speaker, Middlebury College, Middlebury VT. "Fetal Alcohol Syndrome: A behavioral analysis of the deficits in social behavior". Feb. 26, 2005.
33. Invited Speaker, GA/SC Neuroscience Consortium, Augusta, GA. "Social deficits in an animal model of Fetal Alcohol Spectrum Disorder: Neural and behavioral mechanisms". April 21, 2007.
34. Invited Speaker, International Behavioral Neuroscience Society, Rio de Janeiro, Brazil, "Implications of the impact of alcohol exposure during development on social recognition memory" June 18, 2007.
35. Invited Speaker, TA/IA Training Workshop. "Preparation for the classroom: Getting ready before the start of a semester, and being prepared before each class" University of South Carolina, Columbia, SC, August 13, 2008.
36. Keynote invited Speaker, International Workshop on Effects of Perinatal and Adult Ethanol Intake on Brain and Behavior: Animal Studies, "Translational Research on Fetal Alcohol Spectrum Disorder", Visit sponsored by Turkish Scientific Council TÜBİTAK and Middle-East Technical University (METU), Ankara, Turkey, October 20, 2008.
37. Invited Speaker, Departmental Seminar Series, Department of Biology, Middle-East Technical University, "Neural and Behavioral Bases of Social Behavior Deficits induced by Alcohol Exposure during Development", October 23, 2008, Visit sponsored by Turkish Scientific Council TÜBİTAK and Middle-East Technical University (METU), October 23, 2008.
38. Invited Keynote Address, "Alcohol Exposure during Development and the Epigenome", 12th Annual Neuroscience Symposium, sponsored by the Eastern Carolina Chapter of the Society for Neuroscience and the Grass Foundation Travelling Scientist Program, Greenville, NC, November 2, 2010.
39. Invited Speaker, Biomedical Seminar Series, University of South Carolina School of Medicine, "Effects of Alcohol Exposure during Development: Mechanisms and Treatment", October 1, 2012.
40. Invited Speaker, "The Value of Research on FASD", FASD Awareness Day at the SC State House, September 9, 2013.
41. Invited Speaker, "What is new in FASD research? SC FASD Collaborative, Columbia SC, October 16, 2013.

42. Invited Speaker, Last Lecture Presentation entitled The Brain, Living and Life: A Personal Synergy, Invited by a student group called Scholars United based on student nominations, April 13, 2016, University of South Carolina.

TEACHING AND STUDENT MENTORING

Undergraduate courses taught: Introductory Psychology, Introduction to Neuroscience (Honors), Physiological Psychology, Survey of Learning and Memory, Advanced Physiological Psychology, Laboratory in Neuroscience, Psychology of Drug Abuse and Effects, Laboratory in Psychology

Graduate courses taught: Basics in Neuroscience, Integrative Survey of Cognitive, Developmental, and Biological Psychology (team-taught), Advanced Seminar in Neurobiology of Development, Advanced Seminar in Neurobiology of Learning and Memory, Basics in Neuroscience, Integration across Neuroscience and Social Psychology (Social Neuroscience), Grant Writing 101, Teaching at the College Level

Former Graduate Students, Years at the University of South Carolina, and their Current Positions

Janie H. Wilson, 1989-1994, Full Professor, Department of Psychology, Georgia Southern University, Statesboro, GA
 Suzanne E. Thomas, 1991-1996, Associate Professor, Department of Psychiatry, Medical University of South Carolina, Charleston, SC
 Tuan D. Tran, 1994-1999, Associate Professor, Department of Psychology, East Carolina University, Greenville, NC
 Kim Cronise, 1996-2001, Associate Professor, Department of Psychology, Middlebury College, Middlebury, VT
 Melissa D. Marino, 1997-2003, Science Writer, School of Medicine, Vanderbilt University, Nashville, TN
 Joaquin, N. Lugo, 1999-2004, Associate Professor, Department of Psychology, Baylor University, Waco TX
 Justin T. Gass, 2000-2005, Assistant Professor, Medical University of South Carolina, Charleston, SC
 Nicha K. Otero, 2004- 2010, Assistant Professor, Department of Psychology, University of Arkansas, Fort Smith, AR.
 Amy Perkins, 2009 – 2014, Postdoctoral Fellow, Department of Psychology, Binghamton University, Binghamton, NY

PROFESSIONAL SERVICE

- Field Editor for *Science Matters*, the newsletter for the Alcoholism and Drug Research Communications Center, 1990-1993
- Reviewer for *Teratology, Pharmacology, Biochemistry and Behavior, Physiology and Behavior, Behavioral Brain Research, Neurotoxicology and Teratology, Alcoholism: Clinical and Experimental Research, Neurobiology of Learning and Memory, Behavioral Neuroscience, International Journal of Developmental Neuroscience, Neuroscience, Developmental Psychobiology.*
- Councilor for South Carolina Chapter of Society for Neuroscience (elected position) 1989-1992
- Secretary-Treasurer of South Carolina Chapter of Society for Neuroscience (elected position) 1992-1994
- President of South Carolina Chapter of Society for Neuroscience (elected position) 1995-1996, 2006-2007
- Appointed as Ad hoc Member of Biopsychology (BPO) Study Section, National Institute of Health, 1996
- Co-Chair, Program Committee for International Society for Behavioral Neuroscience, 1997-98
- Chair, Program Committee for International Society for Behavioral Neuroscience, 1998-99
- Guest Editor for Pharmacology, Biochemistry, and Behavior. Special volume on gender differences in brain and behavior, 1999
- Member of Nominations Committee for International Society for Behavioral Neuroscience, 1999-2002
- President of South Carolina Chapter of Society for Neuroscience (1999-2000) (elected position)
- Councilor (USA) for the International Society for Behavioral Neuroscience (2000-2003) (elected position)
- Chair of Nominations Committee for International Society for Behavioral Neuroscience, 2002-2003
- Guest Editor for Pharmacology, Biochemistry, and Behavior. Special volume on sex and drugs, 2004
- Appointed member of NAL Study Section, NIH, Fall 2002-Fall 2006
- Member for special NIH review panel on Social Neuroscience, June 2006
- President of South Carolina Chapter of Society for Neuroscience (2006-2007) (elected position)
- Standing member of review panel for NSF grants through the SOMAS (Support of Mentors and their Students) program 2006 to 2008
- Workshop on Surviving the Current Funding Crunch. GA/SC Neuroscience Consortium, Augusta, GA. April 21, 2007
- Chair, Symposium on Contributing Factors to Normal and Pathological Development of Social Behavior, International Behavioral Neuroscience Society meeting, Rio de Janeiro, Brazil, June 16, 2007
- Member of NIH Special Emphasis Panel/Scientific Review Group, ZAA1 CC (15), July 2007

Member of NIH Special Emphasis Panel/Scientific Review Group, 2008, ZAA BB (92), June 2008

Member of NIH Special Emphasis Panel/Scientific Review Group, 2009, Developmental Pharmacology, April 2009

Chair and member of NIH Special Emphasis Panel, Scientific Review Group, October 2009, ZRG1 RPHB-A, Interventions for Substance Abuse

Chair and member of NIH Special Emphasis Panel, Scientific Review Group, July 2010, ZRG1 RPHB-C, Intervention and Addictions.

NSF Grant Review, Fall 2010

Member of NIH Special Emphasis Panel, Scientific Review Group ZRG1 RPHB-02, December 2010, Prevention and Health Behavior

Member of NIAAA Special Emphasis Panel, Intervention to prevent and treat substance abuse among children, adolescents, and adults with FASD, ZAA1 EE, October 31, 2012

Member of NIAAA Special Emphasis Panel 2013/10 ZAA1 CC, Alcohol and Development Center Grant review. April 9, 2013

Member of NIH Special Emphasis Panel 2014/ZRG1 IFCN- C (02) M, Alcohol and Drugs, February 19-20, 2014

Member of NIH Special Emphasis Panel 2014/10 ZRG1 IFCN-C (02)M, Drugs, Alcohol and Heavy Metals, May 21-22, 2014.

Chair, NIH Special Emphasis Panel 2015/10 ZRG1 ETTN-C(02) M Molecular Neurogenetics, Imaging Technologies and Bioengineering, June 5, 2015

PUBLIC SERVICE (selected list)

Webinar for The Arc, “How much alcohol can a woman drink during pregnancy and be sure not to harm her baby? Why the answer is none.” January 14, 2015. The Arc is a national organization that works for people with intellectual and developmental disabilities. The webinar can be viewed here <http://www.thearc.org/FASD-Prevention-Project/training/webinar-archive>. The webinar was viewed as outstanding and the Arc has allowed it to be viewed for Continuing Education Credit for physicians and nurses. It was and still is free to the public.

Half-day Workshop, South Carolina Fetal Alcohol Spectrum Disorders Collaborative, October 17, 2014, Title: Research on Fetal Alcohol Spectrum Disorders and Implications for Treatment.

Invited Speaker, “The Value of Research on FASD”, FASD Awareness Day at the SC State House, Columbia SC. September 9, 2013.

Invited Speaker, “What is new in FASD research?”, SC FASD Collaborative, Columbia SC. October 16, 2013

Invited Speaker, “Basics for Getting Funds for Research”, 10th Annual Women’s Leadership Institute, Columbia, SC. May 1, 2013.

COLLEGE AND UNIVERSITY SERVICE (selected list)

Chair, Venture Fund Review Committee, 1996-97
 Venture Fund Review Committee 1995-96
 Senate Committee, member 1992-1994
 Institutional Animal Care and Use Committee, member 1991-1998
 Library Representative for the Department of Psychology, 1993-1994
 Member, University Admissions Committee, 1999-2001
 Chair, Committee on Financial Conflict of Interest, 2004-2006
 Co-director and founder of Interdisciplinary Minor in Neuroscience, 2005 to present
 Member, Academic Planning Council, College of Arts and Sciences, 2005-2008
 Member, Search Committee for Physiologist, Search Committee for Veterinarian in charge of animal services, 2007
 Member, Search Committee for the chair of Pharmacology, Physiology and Neuroscience, 2008
 Member, University Committee on Tenure and Promotion, Fall 2008 through Spring 2011
 Panel Chair, University Committee on Tenure and Promotion, Fall 2009-2010
 Member, Research and Graduate Advisory Council, 2010-2011
 Member, Provost's SACs Accreditation Committee 2009-2010
 Member, SCHC Dean Review Committee, 2009-2010
 Member, COEE Search Committee for Childhood Neurotherapeutics, 2009 to 2012
 Chair, Search Committee for Chair of the Department of Biological Sciences, University of South Carolina 2011 - 2013
 Faculty Senate Chair, elected position, Fall 2011 to Summer 2013
 Chair, Search Committee for the Director of the School of Journalism and Mass Communication, Fall 2013-Spring 2014.
 Honors College Faculty Fellow, 2013 – 2014.
 Associate Dean, South Carolina Honors College, 01-2015 to 08-2016.
 Chair, Social Compact Committee, 2015-2016
 Member, College of Arts and Sciences Dean Search Committee, 2015-2016
 Chair, Vice-Provost and Dean of Undergraduate Studies Search Committee, 2015

DEPARTMENT OF PSYCHOLOGY SERVICE (selected list)

Undergraduate Program Director, 1995-1998
 Undergraduate Committee, Chair 1995-1998
 Undergraduate Committee, member 1994-1995, 1998-2000, 2004-2005
 Executive Committee, member 1993-1994, 1989-1990, 1995-1999, 2004-2005, 2006 to 2007, 2011 to 2013
 Search Committees: member of 12 search committees, chair of 4 search committees
 Experimental Graduate Program Curriculum Committee, chair 1993-1995
 Experimental Graduate Program Director, 1998-2000, 2006-2007, 2011 to 2013
 Director of Student Affairs, 2004-2005
 Chair, Tenure and Promotion Committee of the Department of Psychology 2001-2002, 2006-2007

Chair, Ad hoc Committee on Policies and Procedures, 2014-15