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**EDUCATION**

- 1991 B.A. in Psychology from the **University of Pennsylvania.**
- 1995 M.S. in Psychobiology from the **University of Florida.**
- 1998 Ph.D. in Psychobiology from the **University of Florida.**

**LABORATORY RESEARCH POSITIONS**

- 1989-1992 **University of Pennsylvania, Department of Psychology.**  
Undergraduate Assistant and Post-graduate Technician with Drs. Harvey Grill and Alan Spector. Gustatory mechanisms and brainstem regulation of caloric intake in rats.
- 1992-1998 **University of Florida, Department of Psychology.**  
Graduate Assistant with Dr. Carol Van Hartesveldt. Developmental psychobiology, influence of environmental novelty, gender, and postnatal age on the locomotor effects of dopaminergic and glutamatergic drugs, injected peripherally or centrally (nucleus accumbens or striatum) in rats.
- 1995-1996 **Karolinska Institute, Department of Physiology and Pharmacology.**  
Fulbright Grantee with Dr. Urban Ungerstedt. Functional neuroanatomy investigating prefrontal cortex to ventral tegmental area projections using dual-probe microdialysis and high performance liquid chromatography (HPLC).
- 1998 **University of Florida, Department of Psychiatry.**  
Research Associate with Dr. Mark Lewis. Effects of fluoxetine (Prozac) or a serotonin synthesis inhibitor on environmentally-induced motor stereotypies in *Peromyscus maniculatus* (deer mouse).
- 1999-2002 **The Scripps Research Institute, Department of Neuropharmacology.**  
NRSA-funded postdoctoral Fellow with Dr. Loren Parsons. Research on acute and long-term neurobehavioral effects of MDMA (ecstasy) or cocaine in periadolescent and adult rats using drug self-administration, microdialysis, and HPLC. Also investigated serotonin<sub>6</sub> receptors in behavior and neurochemistry.
- 2002-present **Georgia State University, Department of Biology, Center for Behavioral Neuroscience.**  
Assistant Professor (and Science Educator, see below). Exploration of the ontological development of reinforcement via social, physiological, and hormonal factors in psychomotor stimulant drug intake and effects in developing rats, using behavioral and neurochemical assays.

**LABORATORY VISITATIONS**

- 1995 **Dr. Jeffrey Joyce**, Department of Psychiatry, University of Pennsylvania.
- 1995&2000 **Dr. Joanna Peris**, Department of Pharmacodynamics, University of Florida.
- 2001 **Dr. John Walker**, The Novartis Institute for Functional Genomics, Affymetrix Chip Technology.

**LABORATORY RESEARCH - PUBLICATIONS for PEER-REVIEWED JOURNALS**

**Frantz, K. J.** & Van Hartesveldt, C. (1994) Sulpiride antagonizes the biphasic locomotor effects of quinpirole in weanling rats. *Psychopharmacology* 119(3): 299-304.

**Frantz, K. J.**, Babcock, D. M. & Van Hartesveldt, C. (1996) The locomotor effects of a putative dopamine D3 receptor agonist in weanling rats. *European Journal of Pharmacology*, 302: 1-6.

Gendreau, P. L., Petitto, J. M., Schnauss, R., **Frantz, K. J.**, Van Hartesveldt, C., Gariépy, J.-L. & Lewis, M. H. (1997) Effects of the putative D3 dopamine receptor antagonist PNU-99194A on motor behavior and emotional reactivity in C57BL/6J mice. *European Journal of Pharmacology*, 337: 147-155.

**Frantz, K. J.** & Van Hartesveldt, C. (1999) The locomotor effects of MK801 in the nucleus accumbens of developing and adult rats. *European Journal of Pharmacology*, 368: 125-135.

**Frantz, K. J.** & Van Hartesveldt, C. (1999) Locomotion elicited by MK801 in developing and adult rats: temporal, environmental, and gender effects. *European Journal of Pharmacology*, 369: 145-157.

**Frantz, K. J.** & Van Hartesveldt, C. (1999) The locomotor effects of quinpirole in rats depend on age and gender. *Pharmacology, Biochemistry and Behavior*, 64(4): 821-826.

**Frantz, K. J.**, Hansson, K. J., Stouffer, D. G., Parsons, L. H. (2002) 5-HT<sub>6</sub> receptor antagonism potentiates the behavioral and neurochemical effects of amphetamine but not cocaine. *Neuropharmacology*, 42: 170-180.

**Frantz, K. J.**, Harte, M., Ungerstedt, U. and O'Connor, W.T. (2002) A dual probe characterization of dialysate amino acid levels in the medial prefrontal cortex and ventral tegmental area of the awake freely moving rat. *Journal of Neuroscience Methods*, 119: 109-119.

Smith, A., Watson, C.J., **Frantz, K.J.**, Eppler, F., Kennedy, R.T., Peris, J. (2004) Differential increase in taurine levels by low-dose ethanol in the dorsal and ventral striatum revealed by microdialysis with on-line capillary electrophoresis. *Alcoholism: Clinical and Experimental Research*, 28(7): 1028-38.

**Frantz, K. J.**, O'Dell, L. E. & Parsons, L. H. (2006) Behavioral and neurochemical responses to cocaine in periadolescent and adult rats. *Neuropsychopharmacology*. Adv OnLine Pub June 21: 1-13.

**Frantz, K. J.**, Rowinski, A. A., & Parsons, L. H. Effects of MDMA on acquisition of cocaine self-administration in periadolescent and adult rats. (in preparation).

Shahbazi, M., Moffett, A., Williams, B., **Frantz, K.J.** Acquisition of amphetamine self-administration in periadolescent and adult rats. (in preparation).

Li, C., **Frantz, K.J.** Injection volume and concentration do not alter cocaine self-administration in periadolescent or adult rats. (in preparation).

**LABORATORY RESEARCH - INVITED CHAPTERS**

**Frantz, K.J.**, Koob, G.F. (2005) The Neurobiology of Addiction. In Coombs, R.H. (Ed.) *Addiction Counseling Review*. Lawrence Erlbaum Associated, Inc. Mahwah, NJ.

Krebs, D.L., **Frantz, K.J.**, Parent, M.B. (in press) In vivo microdialysis: a method for sampling extracellular fluid in discrete brain regions. In Lajtha, A. (Ed.) *Handbook of Neurochemistry and Molecular Neurobiology*, Baker, G., Dunn, S., Holt, A. (Eds.) *Practical Neurochemistry (Methods) Vol. 18*. Plenum Publishing Corporation, NY.

**LABORATORY RESEARCH - SELECTED PUBLISHED ABSTRACTS**

**Frantz, K. J.**, Babcock, D. M. & Van Hartesveldt, C. (1994) The locomotor effects of a putative dopamine D3 receptor agonist in weanling rats. *Society for Neuroscience Abstracts* 20: 820.

**Frantz, K. J.** & Van Hartesveldt, C. (1995) Locomotor effects of quinpirole in the nucleus accumbens of developing rat pups. *Society for Neuroscience Abstracts* 21: 1689.

**Frantz, K. J.**, O'Connor, W. T. & Ungerstedt, U. (1996) Evidence for a non-dopaminergic behavioural hyper-reactivity associated with TTX perfusion in the medial prefrontal cortex of the rat. *Behavioural Pharmacology* 7 Supp 1: 39.

**Frantz, K. J.**, Ungerstedt, U. & O'Connor, W. T. (1996) Aspartate and glutamate release in the ventral tegmental area increases biphasically following N-methyl-D-aspartate perfusion in rat prefrontal cortex. A dual microdialysis probe study in the awake rat. *Society for Neuroscience Abstracts* 22: 1533.

**Frantz, K. J.**, Ungerstedt, U. and O'Connor, W. T. (1997) The effects of N-methyl-D-aspartate receptor activation in the rat prefrontal cortex on serotonin and GABA transmission. A microdialysis study in the awake rat. *Society for Neuroscience Abstracts* 23: 1229.

- Gendreau, P. L., Petitto, J. M., Schnauss, R., **Frantz, K. J.**, Van Hartesveldt, C., Gariépy, J.-L. & Lewis, M. H. (1997) Effects of the putative D3 dopamine receptor antagonist U-99194A on emotional reactivity and motor behavior in C57BL/6J mice. *Society for Neuroscience Abstracts 23*: 1856.
- Frantz, K. J.** & Parsons, L. H. (2000) Acquisition of cocaine self-administration in periadolescent rats. *Society for Neuroscience Abstracts 26*: 269.
- Frantz, K. J.**, Hansson, K. J., Stouffer, D. G., Parsons, L. H. (2000) A 5-HT<sub>6</sub> receptor antagonist increases the reinforcing, locomotor, and neurochemical effects of amphetamine but not cocaine. *Society for Neuroscience Abstracts 26*: 1824.
- Frantz, K.**, Eppler, B., Smith, A., Gonzales, R., & Peris, J. (2001) Ethanol exposure leads to increased taurine in the striatum of rats. *Drug and Alcohol Dependence 63(S1)*: S50.
- Frantz, K. J.** & Parsons, L. H. (2001) Effects of MDMA on acquisition of cocaine self-administration in periadolescent and adult rats. *Society for Neuroscience Abstracts 27*.
- Simmons, D.L., Hoppenot, R., **Frantz, K.**, Walker, J., Feinberg, A. Edwards, S. & Self, D.W. (2002) Long-term changes in nucleus accumbens gene expression following chronic cocaine self-administration. Program No. 500.14. *2002 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2002. Online.
- European Society for Biochemical Research on Alcoholism 9th Congress.*
- Simmons, D.L., Smagula, C., Hoppenot, R., **Frantz, K.**, Walker, J., Feinberg, A. & Self, D.W. (2002) Gene expression and cocaine seeking in prolonged abstinence: modulation by withdrawal time and extinction training. *European Society for Biochemical Research on Alcoholism 9th Congress.*
- Shahbazi, M., McQueen, A., **Frantz, K.** (2005) Acquisition of amphetamine self-administration in periadolescent and adult rats. *Drug and Alcohol Dependence*.
- Shahbazi, M., Moffett, A., Williams, B., **Frantz, K.** (2005) Acquisition of amphetamine self-administration in periadolescent and adult rats. 2005 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2005.
- Doherty, J., Moffett, A., Ogbonmwan, Y., Whyte, A., Williams, B., **Frantz, K.** (2006) Morphine self-administration in adolescent versus adult male rats. 2006 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2006.
- Whyte, A., Moffett, A., Williams, B., Shahbazi, M., O'Farrell, L., **Frantz, K.** (2006) Evans blue dye as a quantitative measure of catheter patency. 2006 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2006.
- Bech, T., Lindsly, C., Powers, C., Edwards, D., **Frantz, K.** (2006) Sex differences in amphetamine conditioned place preference in crayfish. 2006 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2006.

### **LABORATORY RESEARCH - SEMINAR PRESENTATIONS**

- Frantz, K.J.**, Kuczenski, R., Steiner, H., Carlezon, W. (2003) Changing Their Minds: Enduring Effects of Early Stimulant Exposure. Winter Conference on Brain Research, Aspen, CO, January 2003.
- Frantz, K.J.** (2003) Psychostimulants in adolescent rats: What do we know and how do we know it? Georgia State University Research Seminar, Atlanta, September 2003.
- Frantz, K.J.** (2004) "Adolescent Drug Use: Animal Models" Spelman College Bridges to Baccalaureate program for pre-college or transitional undergraduate underrepresented minority female students, June 2004.
- Frantz, K.J.** (2005) "The Agony of Ecstasy and Other Tales of Teens" Georgia State University Research Seminar, Atlanta, February 2005.
- Frantz, K.J.** (2005) "Teen Drug Abuse and Prevention via Science Education and Laboratory Research" Georgia State University Careers Seminar, Atlanta, September 2005.
- Frantz, K.J.** (2006) "Drug Self-Administration in Adolescent Rats: Implications for Future Research" Harvard University School of Medicine at McLean Hospital, Belmont, MA, June 2006.

**SCIENCE EDUCATION RESEARCH - POSITION**

•**2002-present**      **Georgia State University, Department of Biology, Center for Behavioral Neuroscience.**  
 Science Educator. Science education and community partnership efforts to test research hypotheses related to science education program design and implementation, improve science education at the kindergarten through twelfth grade levels, advance training opportunities in higher education, and increase public awareness of issues related to neuroscience.

**SCIENCE EDUCATION RESEARCH - PUBLICATIONS**

Demetrikopoulos, M.K., Parlier, D., Caldwell, H.K., Rose, J.D., **Frantz, K.J.**, Carruth, L. (2004) Developing Flexible Professional Development Opportunities to Meet Diverse Teacher Needs. *Science Scope*, 27(5): 16-19.

**Frantz, K.J.** (2004) The Human HPLC column: minds-on neuroscience for the next generation. *Annals of the New York Academy of Sciences*, 1021: 323, 371-375.

Kirstein, C., White, A., **Frantz, K.J.** (2004) Introduction to Short Papers. *Annals of the New York Academy of Sciences*, 1021: 323.

**Frantz, K.J.**, DeHaan, R.L., Demetrikopoulos, M.K., Carruth, L.L. (2006) Routes to Research for Novice Undergraduate Neuroscientists. *Cell Biology Education – Life Sciences Education*, 5: 175-187.

Zardetto-Smith, A.M., Mu, K., Carruth, L.L., **Frantz, K.J.** (2006) Brains Rule!: A Model Program for Developing Professional Stewardship Among Neuroscientists. *Cell Biology Education – Life Sciences Education*, 5: 158-166.

**Frantz, K.J.** (*in press*) The Human HPLC column: minds-on neuroscience for the next generation. *The Science Teacher*.

Pecore, J., Demetrikopoulos, M.K., **Frantz, K.J.** Using case studies to engage students actively in discussing ethical conduct in the care and use of animals. *American Biology Teacher* (accepted with revisions).

**SCIENCE EDUCATION RESEARCH - SELECTED PUBLISHED ABSTRACTS**

**Frantz, K.J.** & Bodawala, H. (2003) M&MDMA: Teaching A Human Model of MDMA Pharmacodynamics. Program No. 27.6. 2003 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2003. Online.

Carruth, L.L., Rose, J.D., Caldwell, H.K., **Frantz, K.J.**, Boyle, K., Duckett, A.E., Morris, L.G., Demetrikopoulos, M.K. (2003) Developing community partnerships for sustained neuroscience K-12 and public educational programs. Program No. 27.7. 2003 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2003. Online.

**Frantz, K.J.**, Redmond, J.C., Rose, J.D., Demetrikopoulos, M.K., Morris, L.G., Gray, D., Zardetto-Smith, A., Carruth, L.L. Undergraduate opportunities in K-12 neuroscience education. Program No. 27.5. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2004. Online.

Zardetto-Smith, A.M., Schneider, R., Rose, J.D., Redmond, J.C., Mu, K., **Frantz, K.J.**, Demetrikopoulos, M.K., Carruth, L.L. Brains rule! Neuroscience expositions: A model for improving the ability of neuroscience professionals to communicate neuroscience. Program No. 26.10. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2004. Online.

Total, N.K.B., Morris, L.G., Lurtz, M.M., Waikel, R.L., Gray, D., **Frantz, K.J.** Becoming a scientist: High school apprenticeships in neuroscience. Program No. 26.14. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2004. Online.

Zola, S.M., Demetrikopoulos, M.K., **Frantz, K.J.**, Redmond, J.C., Morris, L.G., Carruth, L.L., Chudler, E.H., Cameron, W.E. Society for neuroscience presence at science teacher meetings. Program No. 27.10. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2004. Online.

Redmond, J.C., Demetrikopoulos, M.K., Morris, L.G., Pecore, J., Parlier, D., **Frantz, K.J.**, Carruth, L.L. Teaching about gender differences in memory and performance. Program No. 28.1. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2004. Online.

**Frantz, K.J.**, Carruth, L.L., Hanna, N.R., DeHaan, R.L. (2005) A Study in Neuroscience Education: Comparing Two Routes to Research for Novice Undergraduates. Program No. 22.5. 2005 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2005. Online.

Total, N.K.B., Hayslett, R., Morris, L.G., Lurtz, M.M., **Frantz, K.J.** Capturing Student Interest: High School Apprenticeships in Neuroscience. Program No. 19.15. 2005 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2005. Online.

Carruth, L., **Frantz, K.**, Pecore, J., Murphy, S., Parlier, D., Demetrikopoulos, M. (2006) Brain camp for kids: using neuroscience as a theme for summer camp enrichment. 2006 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2006.

**Frantz, K.**, Carruth, L., DeHaan, R. (2006) Best practices in science education: a conference on active teaching and learning. 2006 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2006.

### **SCIENCE EDUCATION RESEARCH - SEMINAR PRESENTATIONS**

- Morris, L.G., Zardetto-Smith, A., **Frantz, K.J.** (2003) Hands-On Neuroscience Activity at the Society for Neuroscience Annual Meeting: “Analyze This: Neurotransmission and Chemical Separation”, New Orleans, November 2004.
- Frantz, K.J.** (2003&2004) Stress and the Brain Seminar for the Ben Carson Academy Brain Camp. Morehouse School of Medicine, July.
- Frantz, K.J.** (2003) “Teaching Scientific Ethics” seminar consultant for *Animal Behavior: Why They Do What They Do at the Zoo*: Dr. L. Carruth’s Animal Behavior Teacher Professional Development Workshop at Zoo Atlanta, June 2003.
- K.J. Frantz**, L.L. Carruth, J. Redmond, D. Parlier, J. Pecore, L.G. Morris, M.K. Demetrikopoulos. (2004) “His & Her Brain Turn Ons.” National Science Teacher’s Association (NSTA), Atlanta, April 2004.
- L.L. Carruth, **K.J. Frantz**, D. Parlier, J. Pecore, M.K. Demetrikopoulos. (2004) “Sex on Your Mind: Gender Differences in Learning.” National Science Teacher’s Association (NSTA), Atlanta, April 2004.
- Pecore, J., **Frantz, K.J.** (2004) “Teaching Scientific Ethics” seminar consultant for *Animal Behavior: Why They Do What They Do at the Zoo*: Dr. L. Carruth’s Animal Behavior Teacher Professional Development Workshop at Zoo Atlanta, July 2004.
- Frantz, K.J.** (2005) “The Agony of Ecstasy and Other Tales of Teens” Georgia State University Research Seminar, Atlanta, February 2005.
- Frantz, K.J.** (2005) “Teen Drug Abuse and Prevention via Science Education and Laboratory Research” Georgia State University Careers Seminar, Atlanta, September 2005.
- Frantz, K.J.** (2005) “Best Practices in Science Education” Conference Organizer and Presenter. Yerkes National Primate Research Center, Atlanta, October 2005.
- Frantz, K.J.** (2006) “Neuroscience Education: Scholarly \*and\* Fun” Southeast Nerve Net (SENN) Conference Presentation. The Georgia Aquarium, March, 2006.

### **RESEARCH GRANT SUPPORT (Laboratory Research & Science Education Research)**

#### **Ongoing Research Support**

1/2006-6/2007

Center for Behavioral Neuroscience Venture Grant, \$27,636

Nucleus Accumbens Efferents in Reward and Reinforcement

Funds development of intracranial drug self-administration paradigm for use in comparing brain mechanisms of reward and reinforcement across food, drug, and electrical stimulation reward paradigms.

Role: Co-Principal Investigator with Darryl Neill, Ph.D. (Emory University, Department of Psychology)

7/2006-6/2007

Georgia State University Advancement of Women Faculty Mentoring Grant, \$6,000 over 1 year.

The Impact of Age and Sex on Morphine Self-Administration

Funds revisions of RO1 proposal, including pilot studies on sex differences in acquisition of morphine self-administration.

Role: Principal Investigator with Mentor M. Brinton

4/2005-7/2006

University of California, Davis / National Science Foundation Science & Technology Center Education Grant, \$149,000 over 1.5 years.

Routes to Research for Women and Minorities: A Pilot Structured Research Experience for Multi-STC Testing

Funds one-year program on effectiveness of summer programs for undergraduate research experiences.

Role: Principal Investigator

7/2005-7/2009

Center for Behavioral Neuroscience Venture Grant, \$30,000 over 4 years

Retention in Research of Women and Minorities

Funds 4-year follow-up analysis of maintained interest and participation in science by participants in 2005 summer research experience program.

Role: Principal Investigator

7/2005-7/2006

Center for Behavioral Neuroscience Venture Grant, \$30,000 over 1 year

Georgia Aquarium Education / Research Project

Funds development of curriculum for informal science research by K-12 students, teachers, and general public at new Georgia Aquarium.

Role: Co-Principal Investigator with PI Paul Katz, Ph.D.

4/2005-4/2006

1 RO3 DA020110-01 National Institute on Drug Abuse B/START, \$79,000 over 1 year.

Sex Differences in Adolescent Vulnerability to Morphine.

Funds pilot studies on sex differences in acquisition of morphine self-administration in adolescent male vs. female rats after neonatal injury.

Role: Principal Investigator

### **Completed Research Support**

10/2004-10/005

Program in Brains and Behaviors Seed Grant, \$30,000 over 1 year.

Sexual Dimorphism in the Long-Term Effects of Neonatal Stress on Vulnerability to Opiates.

Funds pilot studies on sex differences in acquisition of morphine self-administration in adult male vs. female rats after neonatal injury.

Role: Co-Principal Investigator with Anne Z. Murphy, Ph.D.

7/2004-7/2005

Research Initiation Grant from Georgia State University, \$11,000 over 1 year.

Neonatal Injury Increases Vulnerability to Morphine Reinforcement in Rats.

Funds pilot studies on acquisition of morphine self-administration in male rats after neonatal injury.

Role: Mentored Principal Investigator (Mentors: Timothy J. Bartness and Anne Z. Murphy, Ph.D.s)

6/2003-6/2004

Research Equipment Grant, \$26,218 in 1 installment.

Georgia State University

Instrumentation for the Molecular Analysis of Sex Differences in Psychomotor Stimulant Effects in Adult Rats.

Purchase equipment to compare male and female responses to psychomotor stimulants (cocaine and amphetamine) using gene expression analyses.

Role: Co-Principal Investigator (with Laura L. Carruth, Ph.D.)

6/1999-7/2002

5F32 DA05950 Individual National Research Service Award, National Institute on Drug Abuse, \$85,760 over 3 years.

Neurobehavioral Effects of MDMA in Periadolescent and Adult Rats.

Compared periadolescent and adult responses to psychomotor stimulants (cocaine and 3,4-methylenedioxymethamphetamine, MDMA, ecstasy).

Role: Sponsored Principal Investigator (with Co-Sponsors G.F. Koob and L.H. Parsons, Ph.D.s)

8/1995-6/1996

Fulbright Grant for Graduate Studies in Physiology & Pharmacology at the Karolinska Institute in Stockholm, Sweden, \$25,000 over 10 months (with 2 month informal extension from Urban Ungerstedt).

Tested dopaminergic and glutamatergic feedback pathways between frontal cortex and ventral tegmental area in adult male rats using in vivo microdialysis.

Role: Sponsored Principal Investigator (with mentors Urban Ungerstedt and William T. O'Connor, Ph.D.s)

## TEACHING & RELATED EXPERIENCE

### **University of Florida, Department of Psychology.**

- 1992 **Teaching Assistant:** Physiological Psychology Lecture Course
- 1994 **Teaching Assistant:** Physiological Psychology Laboratory Course
- 1995&1997 **Seminar Participant:** The University Center for Excellence in Teaching
- 1997 **Guest Lecturer:** Merle Meyer's Physiological Psychology Laboratory
- 1997 **Course Instructor:** Introductory Physiological Psychology: 65 students, 16 weeks
- 2000 **Guest Lecturer:** Neil Rowland's Neurochemistry: Drugs of Abuse from Culture to Molecule

### **The University of California at San Diego, Department of Psychology.**

- 1999 **Guest Lecturer:** George Koob's Drugs, Addiction and Mental Disorders: Caffeine
- 1999 **Course Instructor:** Social Psychology: ~250 students, 10 weeks
- 2000 **Course Instructor:** Adolescence: ~75 students, 6 weeks

### **Georgia State University, Department of Biology.**

- 2002- **Course Instructor:** Fundamentals of Biology II, ~35-75 students, 16 weeks
- 2002 **Guest Lecturer:** Paul Katz' Fundamentals of Neurobiology: Neuroanatomy
- 2002&03 **Guest Lecturer:** Aras Petrusis' Drugs and Behavior: Drugs of Abuse and Development
- 2002&03 **Guest Lecturer:** Marise Parent's Drugs and Behavior: MDMA
- 2003- **Course Instructor:** Introduction to Neurobiology & Behavior, ~18-25 students, 16 weeks
- 2003- **Course Instructor:** Career Seminar in Biology, ~90-115 students, 16 weeks
- 2005&06 **Course Instructor:** Graduate Seminars on Brain Mechanisms of Reward & Reinforcement ~10 students, 16 weeks

- 2003- **Institute On Neuroscience: Program Director** for high school summer research experience: 14 students total, 8 weeks each year, \$34,000 operating budget.
- 2003- **BrainsRule! Neuroscience Exposition: Program Director** for public education program: >4,000 visitors total, ~200 volunteers, 2 days each year, \$15,000 budget.
- 2005 **"Behavioral Research Advancements in Neuroscience (BRAIN)": Program Director** for undergraduate summer research experience program: 42 students, 10 weeks, ~\$250,000 budget.

## SUPERVISORY RESPONSIBILITIES

- 1993-94 Deborah Babcock, Undergraduate Thesis, Conference Presentation, Publication Co-Authorship
- 1997-98 Nicole Murrey, Undergraduate Research Experience and Publication Acknowledgements
- 1999 K. Jonas Hansson, Master's Thesis and Publication Co-Authorship
- 2000 Carmen Carrillo, Undergraduate Research, Minority Fellowship, Conference Presentations
- 2001 Ashley Rowinski, Undergraduate Research, Conference Presentation, Publication Co-Authorship
- 2002-03 Torrieona Everhart, GSU Undergraduate Presidential Scholar
- 2002-03 Prashanthi Menon, GSU Graduate Research Assistant
- 2002-03 Ajay Kanwar, GSU Graduate Research Assistant
- 2003 Savanna St. Clair, ION High School Summer Program Scholar
- 2003-04 Afshan Ali, GSU Post-Baccalaureate Research Volunteer
- 2003-04 Lauren Minor, Spelman College Undergraduate Research Volunteer
- 2003-04 Kelly Smith, GSU Graduate Research Assistant
- 2003 Michael Wesley, GSU Graduate Trainee on rotation
- 2004 Stephanie Gutzler, GSU Graduate Trainee on rotation
- 2003- Yvonne Ogbonmwan, GSU Undergraduate Presidential Scholar
- 2003-05 Bonnie Williams, GSU Senior Technician
- 2004- Angus Whyte, GSU Undergraduate Research Assistant
- 2004 Yeou-Rong Jih, ION High School Program Scholar
- 2004 Amanda Pollett, McNair Program Scholar
- 2004-05 Geary Smith, GSU Graduate Trainee on rotation
- 2004-05 Mahin Shahbazi, Master's Degree Awarded Fall 2005
- 2004- Aimee McQueen, GSU Laboratory Technician
- 2005-06 Brian Lovell, CBN Education Intern
- 2005- Liz Weaver, CBN Conference Coordinator, Education Intern

- 2005- James Doherty, GSU Graduate Research Assistant, PhD Student
- 2005- Chen Li, GSU Graduate Research Assistant, PhD Student
- 2006 Keisha Butler, BRAIN Undergraduate Summer Research Fellow
- 2006 Shereka Banton, ION High School Summer Program Scholar
- 2006- Nathan Waldron, GSU Undergraduate Presidential Scholar

**SMALL GRANTS AND AWARDS**

- 1990 The National Science Foundation and Pennsylvania State University Summer Research Fellowship
- 1992-96 Grinter Fellowship
- 1993 Grass Foundation Travel Grant
- 1993-95 The Center for Neurobiological Sciences Traineeships
- 1994 The Levitt Award for Outstanding Graduate Study in Psychobiology
- 1994&1996 Graduate Student Council Travel Grants
- 1995-96 Fulbright Grant
- 1996-98 The Center for Neurobiological Sciences Traineeships
- 1996 European Behavioural Pharmacology Society Student Bursary
- 1996 College of Liberal Arts and Sciences Travel Grant
- 1997 International Behavioral Neuroscience Society Student Travel Bursary
- 1997 AccuScan Travel Fellowship
- 2000 The Scripps Research Institute Society of Fellows Travel Award
- 2000 The Serotonin Club Travel Award
- 2001 National Institute on Drug Abuse (NIDA) Director’s Travel Award
- 2003 Survival Skills and Ethics Program, University of Pittsburgh (\$2,000): “First Annual Professional Conduct & Community Outreach Workshops at the International Behavioral Neuroscience Society”
- 2003 GSU Writing Across the Curriculum Course Development Grant (\$2,000): “Writing Mentor for Neurobiology Laboratory Course”
- 2004 Society for Neuroscience Local Chapters Grant (\$2,000): “Building Brain Boxes: An Educational Endeavor for Middle School Teachers and Students to Kick Off during Brain Awareness Month”, with M. Demetrikopoulos and J. Redmond.
- 2006 Society for Neuroscience Local Chapters Grant (\$2,000): “The Brain Balloon Project”, with M. Demetrikopoulos.

**COMMUNITY OUTREACH & PROFESSIONAL ACTIVITIES (PRIOR TO 2003)**

- 1993 **The Corner Drug Store of Gainesville:** informal counseling at respite home for teens
- 1993, 94, 95 **Southeast Nerve Net:** conference attendee / presenter
- 1993&97 **International Society for Developmental Psychobiology:** conference presenter
- 1994-95 **National Aeronautics and Space Administration and National Institutes of Health:** birth monitor for **Dr. Jeff Alberts’** project on prenatal development in space
- 1995 **Summer Research Experiences for Undergraduates:** Program Assistant Director
- 2000 **Minority Biomedical Research Support Program (MBRS):** roundtable discussion leader
- 2000 **Society for Advancement of Chicanos and Native Americans in Science:** sponsor
- 2000-01 **Society for Neuroscience Workshop for Pre-College Science Teachers:** volunteer
- 2001-02 **Winter Conference on Brain Research (WCBR) School & Community Outreach:** volunteer
- 2001 **Coalition for Excellence and Diversity in Mathematics, Science and Engineering:** sponsor
- 2001-2002 **Salk Institute BioBus:** volunteer
- 2002- **Center for Behavioral Neuroscience Undergraduate Education Committee:** Co-Chair
- 2002- **Center for Behavioral Neuroscience Pre-College Education Committee:** active member

## **MEMBERSHIP IN PROFESSIONAL AND SCIENTIFIC SOCIETIES**

- 1994- **Society for Neuroscience**
- 1995- **International Behavioral Neuroscience Society**: symposium organizer in 1998
- 2000 **International Behavioral Neuroscience Society**: Education & Training Committee (Chair '02-'03)
- 2000- **The New York Academy of Sciences**: poster session coordinator in 2003
- 2000-2001 **The Serotonin Club**
- 2001-2002 **Society for Research in Child Development**
- 2002- **The Center for Behavioral Neuroscience**: Undergraduate Educ Committee Co-Chair (since '02)
- 2002- **National Association of Biology Teachers**
- 2003- **National Science Teachers Association**

## **AD HOC REVIEWER**

- Brain Research (with G.F. Koob)
- Journal of Pharmacology and Experimental Therapeutics (with G.F. Koob)
- Life Sciences (with G.F. Koob)
- Nature (with G.F. Koob)
- Nature Neuroscience (with G.F. Koob)
- Neuropsychopharmacology (with G.F. Koob)
- Pharmacology, Biochemistry and Behavior
- Physiology & Behavior
- Psychopharmacology
- The National Science Foundation

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