

Kyle J. Frantz, PhD

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EDUCATION

- **1991 B.A.** in Psychology from the **University of Pennsylvania**, *cum laude*.
- **1995 M.S.** in Psychobiology/Behavioral Neuroscience from the **University of Florida**.
- **1998 Ph.D.** in Psychobiology/Behavioral Neuroscience from the **University of Florida**.

PROFESSIONAL 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 novelty, sex, and age on the locomotor effects of dopaminergic and glutamatergic drugs in rats.
- **1995-1996** **Karolinska Institute, Department of Physiology and Pharmacology.**
Fulbright Grantee with Dr. Urban Ungerstedt. Functional neuroanatomy using microdialysis and HPLC.
- **1999-2002** **The Scripps Research Institute, Department of Neuropharmacology.**
Individual NRSA-funded Postdoctoral Fellow with Dr. Loren Parsons. Acute and long-term neurobehavioral effects of MDMA (ecstasy) or cocaine using intravenous drug self-administration, microdialysis, and HPLC in adolescent vs. adult rats. Also investigated serotonin₆ receptors in behavior and neurochemistry.
- **2002-present** **Georgia State University, Neuroscience Institute & Department of Biology.**
Assistant Professor (2002-2008)
Associate Professor with tenure (2008-2013)
Professor (since 2013) and Science Educator, with two distinct lines of scholarly activity:
Science Education Administration & Research: Design, implement, and evaluate science education programs for K-12 students, undergraduates, and members of the public. Test hypotheses related to effects of program design on student outcomes, such as scientific research self-efficacy.
Laboratory Research: 20 years conducting behavioral pharmacology research on adolescent vulnerability to drugs of abuse, using the intravenous drug self-administration model in rats.
- **2014-present** **Georgia State University, Offices of the Vice Provost and Provost**
Senior Faculty Associate for Special Programs (2014-2017)
Oversee Special Programs at the university level, including experiential learning and interdisciplinary programs across colleges. Conduct evaluation on student outcomes, design and review new opportunities, and promote engagement by students and faculty. Aid in designing and gaining approval for new cross-college programs, such as a Master of Interdisciplinary Studies (MIS) in Biomedical Enterprise.
Director of the Center for the Advancement of Students and Alumni into Graduate and Professional Programs (CASA; 2017-present)
Launch new university center to support students in transitions to and through PhD, MD, and JD programs at institutions nationwide. Establish and use predictive analytics to identify high potential undergraduates to invite into wrap-around services, including research opportunities, career and professional development, family and financial balance. Recruit faculty as mentors and to integrate programming into courses. Engage alumni as targets of support as well as near-peer-mentors for current undergraduates.

SCIENCE EDUCATION ADMINISTRATION & RESEARCH – PROGRAM LEADERSHIP

- 2003- **Institute On Neuroscience (ION):** Founding Program Director for high school summer research immersion: ~10 students/year, ~ 5 teachers/year, 8 weeks, ~\$7,500-\$100,000/year budget.
- 2003-2011 **BrainsRule! Neuroscience Exposition:** Program Director for public education program: >4,000 visitors total, ~200 volunteers, 2 days each year, ~\$15,000/year budget.
- 2005-2014 **Behavioral Research Advancements in Neuroscience (BRAIN):** Curriculum Designer (2007) and Program Director (2005 and 2009-2014) for undergraduate summer research experience program: ~\$250,000/year operating budget, plus ~\$100,000/year for evaluation.
- 2011-2016 **Atlanta’s Neuroscience Education & Training Program (NET/work):** Program Director for NIH BP-ENDURE Program offering two-year undergraduate research fellowships for students from Agnes Scott College, Emory University, Georgia State, and Spelman College: ~\$260,000/year operating budget, plus ~\$10,000/year for evaluation.
- 2016-2022 **Initiative for Maximizing Student Development (IMSD): Georgia State University:** Co-PI for undergraduate research assistantship program, professional development, curriculum enhancements, and faculty mentor training: ~\$180,000/year budget from the NIH.
- 2016- **The Neuroscience School:** Director of tuition-based short-courses for high school students on select neuroscience-related topics: \$20,000/year budget (self-sustaining).
- 2017- **National Research Mentoring Network (NRMN) and FairPlay:** Trained Mentoring Workshop Facilitator using nationwide curriculum (NRMN) and online game-based materials (FairPlay).
- 2019- **Humanities Inclusivity Program (HIP) at Georgia State University:** Co-PI for undergraduate research assistantship program in the humanities, professional development, and faculty mentor training: ~\$333,000/year from the Andrew W. Mellon Foundation.
- 2019 **CASA-Sloan Scholars Program at Georgia State University:** PI for undergraduate research assistantship program, with professional development and curriculum enhancements: ~\$100,000 for one-year pilot program from the Alfred P. Sloan Foundation.
- 2019- **Maximizing Access to Research Careers (MARC) at Georgia State University:** Co-PI for honors-level undergraduate research assistantship program, professional development, curriculum enhancements, and faculty mentor training: ~\$250-500,000/year budget from the NIH.
- 2020-2023 **Inclusive Excellence 3 Learning Community Cluster on Inclusive Instruction:** PI for HHMI-funded learning community on institutional change toward meaningful evaluation of effective and inclusive teaching in promotion/tenure decisions: \$30,000/2 year collaboration with 15 institutions.
- 2021- **Center for Dynamic Multiscale and Multimodal Mapping Over the Lifespan (D-MAP),** a Center for Research Excellence in Science & Technology (CREST) with the NSF, Co-Director for Science Education with PI, Vince Calhoun, offering high school and undergraduate research assistantships, course-based research experiences, short courses, and public education.
- 2022- **Math Path Program:** PI for education and training initiative in quantitative sciences, funded by the Equitable Pathways to Graduate School initiative of the Alfred P. Sloan Foundation, in collaboration with the National Math Alliance, Arizona State University, Georgia Institute of Technology, Purdue University, University of Michigan, and the University Minnesota. Creates undergraduate research assistantships, facilitated graduate applications, transition grants to start PhD programs, and graduate program development toward inclusivity and belonging. ~\$500,000/3 years
- 2022- **Inclusive Excellence 3 Learning Community Cluster on Inclusive Instruction:** PI for HHMI-funded learning community on institutional change toward meaningful evaluation of effective and inclusive teaching in promotion/tenure decisions: \$475,000/6 year collaboration with 15 institutions.
- 2023- **Genentech:** PI for Innovation Fund Initiative creating undergraduate internships and research courses, with online curriculum modules for onboarding and skill development: ~\$300,000/3 yr.

SCIENCE EDUCATION ADMINISTRATION & RESEARCH – PUBLICATIONS

1. 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.
2. **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.
3. Kirstein, C., White, A., **Frantz, K.J.** (2004) Introduction to Short Papers. *Annals of the New York Academy of Sciences*, 1021: 323.
4. **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.
5. 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.
6. **Frantz, K.J.** (2007) The Human HPLC column: minds-on neuroscience for the next generation. *The Science Teacher* 74(1): 33-39.
7. Pecore, J., Demetrikopoulos, M.K., **Frantz, K.J.** (2007) Student-centered deliberations of ethical care and use of animals. *American Biology Teacher* 69(7): 416-421.
8. **Frantz, K.J.**, McNerney, C., Spitzer, N. (2009) We've got NERVE: A Call to Education Arms. *J Neurosci* 29(11):3337-3339.
9. Goode, C.T., Britner, S. L., Gagne, P.E., Pecore, J.L., Demetrikopoulos, M.K., Williams, B.A., Carruth, L.L., DeHaan, R.L., & **Frantz, K.J.** (2012) Scientific Research Self-Efficacy among Undergraduates: Current Contexts and Approaches to Measurement. In Britner, S. L. (Ed) *Self-Efficacy in Education and Community Contexts*, Nova Science Publishers, Inc., New York.
10. Britner, S. L., Williams, B. A., Pecore, J. L., Gagne, P., Demetrikopoulos, M. K., Poh, R., Carruth, L. L., Goode, C. T., DeHaan, R. L., **Frantz, K. J.** (2012). Portraits of science self-efficacy: Four undergraduate women in a summer research experience. *J Women & Minorities in Science and Engineering*, (18)273-293.
11. Pecore, J.L., Kirchgessner, M.L., Demetrikopoulos, M.K., Carruth, L.L., **Frantz, K.J.** (2017) Formal Lessons Improve Informal Learning: Influence of Novelty, Readiness, and Student Engagement. *Visitor Studies* 20(1):89-104.
12. **Frantz, K. J.**, Demetrikopoulos, M. K., Britner, S. L., Carruth, L. L., Williams, B. A., Pecore, J. L., DeHaan, R. L., Goode, C. T. (2017). A Comparison of Internal Dispositions and Career Trajectories after Collaborative vs. Apprenticed Research Experiences for Undergraduates. *CBE – Life Sciences Education* 16(1): 1-12.
13. Goode, C. T., Demetrikopoulos, M. K., Britner, S. L., Carruth, L. L., Williams, B. A., Pecore, J. L., DeHaan, R. L., **Frantz, K. J.** (2018). Comparing Collaborative vs. Apprenticed Research Experiences for Undergraduates Using the Experience Sampling Method. *Understanding Interventions* 9(1): understanding-interventions.org.
14. Coffman, C., Chen, C., **Frantz, K.J.** (2022) Generating empirical evidence that teacher knowledge of student misconceptions is important. Article annotation for Chen et al. (2020) *CBE – Life Sciences Education* 19(1): 1-16.
15. **Frantz, K.J.**, Gin, L., Coffman, C. (2022) Open-ended methodologies give voice to student experiences with accommodations during the pandemic-related transitions to online learning. Article annotation for Gin et al. (2021) *CBE – Life Sciences Education* 20(3): 1-17.
16. **Frantz, K.J.**, Price, R.M., Russo-Tait, T., Coffman, C.R. (2024) Annotations of LSE research: Enhancing Accessibility and Promoting high Quality Biology Education Research. *CBE – Life Sciences Education* 23(1): 1-6.
17. **Frantz, K.J.**, Fairbanks, B., Crawford, J., Patel, S.P., Clark, S.G., Armistead, L.P. (in prep) Georgia State Launches Program to Push Beyond the Metaphorical “Tap on the Shoulder”. *Inside Higher Ed*.

SCIENCE EDUCATION ADMINISTRATION & RESEARCH - SELECTED PUBLISHED ABSTRACTS

1. **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.
2. 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.
3. **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.
4. 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.

5. Totah, 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.
6. 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.
7. 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.
8. **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.
9. Totah, 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.
10. 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.
11. **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.
12. Carruth, L., **Frantz, K.** (2007) Toward integration: dual-role bench and education scientists. 2007 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2007.
13. Demetrikopoulos, M.K., Pecore, J.L., Britner, S.L., Carruth, L.L., DeHaan, R.L., Falkenberg, K.L., Gagne, P.E., Goode, C.T., Williams, B.A., & **Frantz K.J.** (2009) Comparing Collaborative Research and Apprenticeship Models in Designing Undergraduate Summer Programs. Third Annual Conference on Understanding Interventions that Broaden Participation in Research Careers, Bethesda, MD, May 2009.
14. Pecore, J.L., Carruth, L.L., Hill, C., Demetrikopoulos, M.K., Zardetto-Smith, A., **Frantz, K.J.** (2009) Methods to maximize student engagement in informal science education. *2009 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience, 2009.
15. Pecore, J.L., Demetrikopoulos, M.K., Carruth, L.L., DeHaan, R.L., Britner, S.L., Galkenberg, K.L., Gagne, P.E., Williams, B.A., Oliver, T.R., Goode, C.T., Poh, R., Weaver, E., & **Frantz, K. J.** (2010). Varied summer research experiences for undergraduate students evaluated with a mixed-methods (quantitative and qualitative) approach. *2010 Abstract Viewer/Itinerary Planner*. Society for Neuroscience, Washington, DC.
16. Carruth, L.L., Demetrikopoulos, M.K., Pecore, J.L., Goode, C.T., Britner, S.L., Williams, B.A., Weaver, L., Falkenberg, K.L., Oliver, T., Poh, R., Gagne, P.E., DeHaan, R.L., & **Frantz K.J.** (2011) Use of the experience sampling method (ESM) to assess summer research experiences by undergraduate students. *2011 Abstract Viewer/Itinerary Planner*. Society for Neuroscience, Washington, DC.
17. **Frantz, K.J.**, Britner, S.L., Pecore, J.L., Williams, B.A., Weaver, E.A., Poh, R., Gagne, P., Demetrikopoulos, M.K., Carruth, L.L., Goode, C.T., DeHaan, R.L. (2012) Collaborative research for undergraduates in neuroscience: A case study comprised of qualitative exploration of scientific research self-efficacy. *2012 Abstract Viewer/Itinerary Planner*. Soc for Neuroscience, New Orleans, LA.
18. Goode, C.T., Britner, S.L., Carruth, L.L., Gagne, P., Demetrikopoulos, M.K., Williams, B.A., Pecore, J.L., Weaver, E.A., Poh, R.L., DeHaan, R.L., **Frantz, K.J.** (2012) Collaborative research for undergraduates in neuroscience: Quantitative assessment of scientific research self-efficacy and related constructs. *2012 Abstract Viewer/Itinerary Planner*. Soc for Neuroscience, New Orleans, LA.
19. **Frantz, K.J.**, Goode, C.T., Larimore, J.L., Buffalo, E.A., Smith, Y., Brakke, K., McKlin, T. (2013) BP-ENDURE Atlanta: engaging undergraduates in neuroscience research. *2013 Abstract Viewer/Itinerary Planner*. Soc for Neuroscience, San Diego.
20. **Frantz, KJ**; Carruth, LL; Goode, CT. Collaborative Research for Novice Undergraduates. (2014) AAC&U Transforming STEM Higher Education, Atlanta, GA, September 2014.
21. Goode, C.T., Maney, D.L., De Vries, G., **Frantz, K.J.** (2014) The Institute On Neuroscience (ION) Summer Research Program for Outstanding High School Students and Teachers. *2014 Abstract Viewer/Itinerary Planner*. Soc for Neuroscience, Washington DC.

SCIENCE EDUCATION ADMINISTRATION & RESEARCH - SEMINAR PRESENTATIONS

1. 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.
2. **Frantz, K.J.** (2003&2004) “Stress and the Brain” Seminar for the Ben Carson Academy Brain Camp. Morehouse School of Medicine, July.
3. **Frantz, K.J.** (2003) “Teaching Scientific Ethics” seminar consultant for *Animal Behavior: Why They Do What They Do at the Zoo*, a Teacher Professional Development Workshop at Zoo Atlanta, June 2003.
4. **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.
5. 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.
6. Pecore, J., **Frantz, K.J.** (2004) “Teaching Scientific Ethics” seminar consultant for *Animal Behavior: Why They Do What They Do at the Zoo*, a Teacher Professional Development Workshop at Zoo Atlanta, July 2004.
7. **Frantz, K.J.** (2005) “The Agony of Ecstasy and Other Tales of Teens” Georgia State University Research Seminar, Atlanta, February 2005.
8. **Frantz, K.J.** (2005) “Teen Drug Abuse and Prevention via Science Education and Laboratory Research” Georgia State University Careers Seminar, Atlanta, September 2005.
9. **Frantz, K.J.** (2005) “Best Practices in Science Education” Conference Organizer and Presenter. Yerkes National Primate Research Center, Atlanta, October 2005.
10. **Frantz, K.J.** (2006) “Neuroscience Education: Scholarly *and* Fun” Southeast Nerve Net (SENN) Conference Presentation. The Georgia Aquarium, March 2006.
11. **Frantz, K.J.** (2006) “Professional Skills for Researchers” Discussion Leader, Survival Skills Workshop in conjunction with Society for Neuroscience Annual Meeting, Atlanta, October 2006.
12. **Frantz, K.J.** (2007) “Lessons Learned from BRAIN Research” STC Broadening Participation Workshop on Diversifying the Science & Engineering Workforce. San Francisco, March 2007.
13. **Frantz, K.J.** (2007) “Two Routes to Research: Bench and Education Science at GSU” Georgia State University Graduate Seminar, Atlanta, July 2007.
14. **Frantz, K.J.** (2008) “Undergraduates in Research: A Collaborative Model” Southeastern Society for Developmental Biology Regional Meeting, Atlanta, April 2008.
15. **Frantz, K.J.** & Carruth, L.L. (2008) “Build-A-Brain” Invited presentation at Presidential Awards for Excellence in Math and Science Teaching - Recognition Week, Washington D.C., April 2008.
16. **Frantz, K.J.** (2008) “Collaborative Research for Novice Undergraduates” Invited presentation at Principal Investigators Meeting for NIGMS Efficacy Grant Awardees, Santa Cruz, CA, August 2008.
17. **Frantz, K.J.** (2009) “Neuroscience in Education Summit: Day 1 Summary & Synthesis” Invited discussion at Society for Neuroscience Presidential Initiative, Irvine, CA, June 2009.
18. **Frantz, K.J.** (2009) “Collaborative Research for Novice Undergraduates” Invited presentation at Principal Investigators Meeting for NIGMS Efficacy Grant Awardees, San Francisco, CA, August 2009.
19. **Frantz, K.J.** (2009) “Single-shot and in-depth neuroscience education programs: recruitment and retention.” Invited presentation in symposium entitled “Translational Neuroscience: From Bench to Classroom and Back” 2009 *Abstract Viewer/Itinerary Planner*. Society for Neuroscience, Chicago.
20. **Frantz, K.J.** and Williams, B.A. (2011) “Collaborative learning experiences and traditional apprenticeships produce positive outcomes for undergraduate neuroscientists” and “Self-efficacy and science identity in an undergraduate neuroscience summer program: a case study” 4th Annual Conference on Understanding Interventions that Broaden Participation in Research Careers, Nashville, TN, May 2011.
21. Britner, S. and **Frantz, K.J.** (2012) “Collaborative Research for Novice Undergraduates” Invited presentation at Principal Investigators Meeting for NIGMS Efficacy Grant Awardees, San Francisco, CA, August 2012.
22. Goode, C. and **Frantz, K.J.** (2013) “Collaborative Research for Novice Undergraduates” Invited presentation at Principal Investigators Meeting for NIGMS Efficacy Grant Awardees, San Diego, CA, August 2013.
23. **Frantz, K.J.** (2014) “Funding for our Future” Presentation in Panel entitled “Neuroscience is Looking for a Few Good Brains: Funding Research and Training in Difficult Times”. Panel Organizer and Presenter at Winter Conference on Brain Research, Steamboat Springs, CO, January 2014.
24. **Frantz, K.J.** and Goode, C.T. (2015) “The Institute On Neuroscience Summer Research Program for Outstanding High School Students and Teachers” 9th Annual Conference on Understanding Interventions that Broaden Participation in Research Careers, San Diego, CA, May 2015.

25. Goode, C.T., Brakke, K., Larimore, J., Smith, Y., and **Frantz, K.J.** (2016) “A Retrospective Test of Non-Traditional Predictors of Persistence in Research” 10th Annual Conference on Understanding Interventions that Broaden Participation in Science, Philadelphia, Feb.
26. **Frantz, K.J.**, Goode, C.T., Brakke, K., Larimore, J., and Smith, Y. (2016) “BP-ENDURE Atlanta: Engaging Undergraduates in Neuroscience Research” NINDS Forming a Neural Network, Washington DC, Apr 2016.
27. **Frantz, K.J.**, Kersey, C. (2016) “Engaged Student Learning through Course-Based Experiences: Identifying Impact.” University System of Georgia Teaching and Learning Conference. Athens, GA, Apr.
28. **Frantz, K.J.**, Kersey, C. (2017) “Assessing Impact of Experiential Learning on Student Outcomes.” University System of Georgia Teaching and Learning Conference. Athens, GA, Apr.
29. **Frantz, K.J.** (2017) “Incorporating Public Education into Your Professional Portfolio: A Practical Guide” Professional Development Workshop, Society for Neuroscience Annual Meeting. Washington DC, Nov.
30. **Frantz, K.J.** and Goode, C.T. (2018) “The Institute On Neuroscience (ION) Summer Research Program for Outstanding High School Students and Teachers: An Update.” 11th Annual Conference on Understanding Interventions that Broaden Participation in Science, Baltimore, Mar.
31. Goode, C. T., & **Frantz, K. J.** (2019) “Model systems for inclusive student success.” Invited talk for ABRCMS, Anaheim CA, Nov.
32. **Frantz, K.J.** (2022) “Quantitative and Qualitative Methods for Recruitment and Retention in Professional Pathways.” Invited presenter at the Winter Conference on Brain Research, Snowmass, CO, Feb.
33. DiRita, V., **Frantz, K.J.**, Garth, J., Horn, J.P. (2022) “Picking the Perfect Graduate Program for You.” Invited presenter on panel for ABRCMS, Anaheim, CA, Nov.
34. **Frantz, K.J.** (2023) “On Becoming A (Neuroscience) Person.” Invited keynote address for the Neuroscience Teaching Conference, Winston-Salem, NC, July.
35. **Frantz, K.J.** (2023) “Join the Elite without Becoming Elitist.” Invited speech for the PhD Hooding Ceremony of The Graduate School Commencement, Georgia State University, Dec.

LABORATORY RESEARCH - PUBLICATIONS for PEER-REVIEWED JOURNALS

1. **Frantz, K. J.** & Van Hartesveldt, C. (1994) Sulpiride antagonizes the biphasic locomotor effects of quinpirole in weanling rats. *Psychopharmacology* 119(3): 299-304.
2. **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.
3. 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.
4. **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.
5. **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.
6. **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.
7. **Frantz, K. J.**, Hansson, K. J., Stouffer, D. G., Parsons, L. H. (2002) 5-HT₆ receptor antagonism potentiates the behavioral and neurochemical effects of amphetamine but not cocaine. *Neuropharmacology*, 42: 170-180.
8. **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.
9. 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.
10. **Frantz, K. J.**, O'Dell, L. E. & Parsons, L. H. (2007) Behavioral and neurochemical responses to cocaine in periadolescent and adult rats. *Neuropsychopharmacology*, 32(3): 625-637.
11. Shahbazi, M., Moffett, A., Williams, B., **Frantz, K.J.** (2008) Age- and Sex-Dependent Amphetamine Self-Administration in Rats. *Psychopharmacology*, 196(1): 71-81.
12. Doherty, J.M., Ogbomwan, Y., Williams, B.F., **Frantz, K.J.** (2009) Age-dependent morphine intake and cue-induced reinstatement, but not escalation in intake, by adolescent and adult male rats. *Pharmacology, Biochemistry and Behavior*, 92(1): 164-172.
13. Li, C., **Frantz, K.J.** (2009) Attenuated incubation of cocaine seeking in male rats trained to self-administer cocaine during adolescence. *Psychopharmacology*, 204(4): 725-733.

14. Li, C., **Frantz, K.J.** (2010) Time-dependent increases in cue-induced reinstatement of sucrose seeking after sucrose self-administration in adolescence. *Behavioral Brain Research*, 213: 109-112.
15. Bruggeman, E.C., Li, C., Ross, A.P., Doherty, J.M., Williams, B.F., **Frantz, K.J.**, Parent, M.B. (2011) A high fructose diet does not affect amphetamine self-administration or spatial water maze learning and memory in female rats. *Pharmacology, Biochemistry and Behavior* 99: 356-364.
16. Doherty, J.M., **Frantz, K.J.** (2012) Heroin self-administration and reinstatement of heroin-seeking in adolescent vs. adult male rats. *Psychopharmacology*, 219(3): 763-773.
17. Doherty, J.M., **Frantz, K.J.** (2013) Attenuated effects of experimenter-administered heroin in adolescent vs. adult male rats: physical withdrawal and locomotor sensitization. *Psychopharmacology*, 225(3): 595-604.
18. Doherty, J.M., Cooke, B.M., **Frantz, K.J.** (2013) Attenuated Fos immunoreactivity in prelimbic and infralimbic medial prefrontal cortex during heroin-seeking behavior in adolescent vs. adult male rats. *Neuropsychopharmacology* 38(3): 446-454.
19. Li, C., **Frantz, K.J.** (2017) Abstinence environment contributes to age differences in reinstatement of cocaine seeking between adolescent and adult male rats. *Pharmacology, Biochemistry and Behavior* 158: 49-56.
20. Shanmugarajah, L., Dunigan, A.I., **Frantz, K.J.**, Roseberry, A.G. (2017) Altered sucrose self-administration following injection of melanocortin receptor agonists and antagonists into the ventral tegmental area. *Psychopharmacology* 234(11): 1683-1692.
21. Borland, J.M., **Frantz, K.J.**, Aiani, L.M., Grantham, K.N., Song, Z., Albers, H.E. (2017) A novel operant task to assess social reward and motivation in rodents. *Journal of Neuroscience Methods* 287: 80-88.
22. Borland, J.M., Grantham, K.N., Aiani, L.M., **Frantz, K.J.**, Albers, H.E. (2018) Role of oxytocin in the ventral tegmental area in social reinforcement. *Psychoneuroendocrinology* 95: 128-137.
23. Li, C., White, A., Schochet, T., McGinty, J.F., **Frantz, K.J.** (2018) Cocaine-seeking in adolescent vs. adult male rats correlates with differential expression of plasticity-related genes. *Addict Biol* 23(6): 1223-41.
24. Pham, U., Alvarado, L., Suess, G.J., Shamsi, S.A., **Frantz, K.J.** (2021) Separation of short and medium chain fatty acids using capillary electrophoresis and indirect photometric detection: Identification of fatty acids in rat feces. *Electrophoresis* 0: 1-10.
25. Suess, G.J., Kasiah, J., Simpson, S., Brennan, M., Conlisk, D., Maturin, L., George, O.L., Chassaing, B., **Frantz, K.J.** (2021 preprint) The gut microbiome is associated with cocaine behavior and predicts addiction vulnerability in adult male rats. *BioRxiv*: doi: <https://doi.org/10.1101/2021.07.20.453110>.
26. Suess, G.J., Daniel, B.A., Dawson, J.J., Williams, R.G., Williams, B.F., **Frantz, K.J.** (under revision) Effects of a white noise stimulus on cocaine self-administration, extinction, and cue-induced reinstatement in adolescent and adult male rats.
27. Suess, G.J., Mesape, K.M., Kasiah, J.S., Williams, B.F., **Frantz, K.J.** (in prep) Effects of gut microbial depletion and repletion on cocaine intake in adolescent and adult male rats.

LABORATORY RESEARCH - INVITED CHAPTERS & REVIEWS

1. Kirstein, C, White, A, **Frantz, KJ** (2004) Introduction to Short Papers. *Annals of the NYAS*, 1021: 323.
2. **Frantz, KJ**, Koob, GF (2005) The Neurobiology of Addiction. In Coombs, R.H. (Ed.) *Addiction Counseling Review*. Lawrence Earlbaum Associated, Inc. Mahwah, NJ.
3. Krebs, DL, **Frantz, KJ**, Parent, MB (2007) 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 Corp, NY, pp. 221-256.
4. Ernst, M, Daniele, T, **Frantz, K** (2011) New perspectives on adolescent motivated behavior: attention and conditioning. *Developmental Cognitive Neuroscience*, 1(4): 377-389.
5. **Frantz, KJ** (2016) Loren H Parsons – Prolific Researcher, Powerful Friend and Mentor. *Neuropsychoph* 41: 3123.
6. Borland, J.M., Rilling, J.K., **Frantz, K.J.**, Albers, H.E. (2018) Sex-dependent regulation of social reward by oxytocin: an inverted U hypothesis. *Neuropsychopharmacology* 44(1): 97-110.
7. **Frantz, KJ**, Roberto, M, Mason, B, Volkow, N, Koob, G, Rodriguez de Fonseca, F (2018) Larry Parsons: Researcher, Mentor, and Friend. *Addiction Biology* doi: 10.1111/adb.12686.

LABORATORY RESEARCH - SELECTED PUBLISHED ABSTRACTS

1. **Frantz, KJ**, Babcock, DM & Van Hartesveldt, C (1994) The locomotor effects of a putative dopamine D3 receptor agonist in weanling rats. *Society for Neuroscience Abstracts* 20: 820.
2. 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.

3. **Frantz, KJ**, O'Connor, WT & 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.
4. **Frantz, KJ**, Ungerstedt, U & O'Connor, WT (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.
5. **Frantz, KJ**, Ungerstedt, U and O'Connor, WT (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.
6. Gendreau, PL, Petitto, JM, Schnauss, R, **Frantz, KJ**, Van Hartesveldt, C, Gariépy, J-L & Lewis, MH (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.
7. **Frantz, KJ** & Parsons, LH (2000) Acquisition of cocaine self-administration in periadolescent rats. *Society for Neuroscience Abstracts 26*: 269.
8. **Frantz, KJ**, Hansson, KJ, Stouffer, DG, Parsons, LH (2000) A 5-HT₆ receptor antagonist increases the reinforcing, locomotor, and neurochemical effects of amphetamine but not cocaine. *Society for Neuroscience Abstracts 26*: 1824.
9. **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.
10. **Frantz, KJ** & Parsons, LH (2001) Effects of MDMA on acquisition of cocaine self-administration in periadolescent and adult rats. *Society for Neuroscience Abstracts 27*.
11. Simmons, DL, Hoppenot, R, **Frantz, K**, Walker, J, Feinberg, A, Edwards, S & Self, DW (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*.
12. Simmons, DL, Smagula, C, Hoppenot, R, **Frantz, K**, Walker, J, Feinberg, A & Self, DW (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*.
13. Shahbazi, M, McQueen, A, **Frantz, K** (2005) Acquisition of amphetamine self-administration in periadolescent and adult rats. *Drug and Alcohol Dependence*.
14. Shahbazi, M, Moffett, A, Williams, B, **Frantz, K** (2005) Acquisition of amphetamine self-administration in periadolescent and adult rats. *2005 Abstract Viewer/Itinerary Planner*. Society for Neuroscience.
15. 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*. Society for Neuroscience, Atlanta.
16. 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*. Society for Neuroscience, Atlanta.
17. 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*. Society for Neuroscience, Atlanta.
18. Li, C., Williams, B, Doherty, J, Ogbonmwan, Y, **Frantz, K** (2007) Concentration and volume do not influence cocaine self-administration in adolescent or adult rats. *2007 Abstract Viewer/Itinerary Planner*. Society for Neuroscience, San Diego.
19. Ogbonmwan, Y, Doherty, J, Williams, B, Waldron, N, **Frantz, K** (2007) Escalation and reinstatement of morphine self-administration in periadolescent vs. adults male rats. *2007 Abstract Viewer/Itinerary Planner*. Society for Neuroscience, SD.
20. Doherty, J, Li, C, Ogbonmwan, Y, Williams, B, **Frantz, K** (2009) Reinstatement of Drug-Seeking Behavior in Adolescent and Adult Male Rats. Winter Conference on Brain Research, Copper, CO.
21. Doherty, JM, **Frantz, KJ** (2009) Self-administration of heroin and incubation of heroin-seeking in adolescent vs. adult rats. *2009 Abstract Viewer/Itinerary Planner*. Society for Neuroscience, Chicago.
22. **Frantz, KJ**, Lee, A, Doherty, JM, Li, C, Williams, B, Ross, A, Bruggeman, E, Parent, M (2009) A high fructose diet does not affect amphetamine self-administration in female rats. *2009 Abstract Viewer/Itinerary Planner*. Society for Neuroscience, Chicago.
23. Li, C, Doherty, JM, Lee, A, **Frantz, KJ** (2009) No age differences in cue-induced reinstatement of sucrose-seeking in male rats. *2009 Abstract Viewer/Itinerary Planner*. Society for Neuroscience, Chicago.
24. Doherty JM, **Frantz, KJ** (2010) Self-administration of heroin and incubation of heroin-seeking in adolescent vs. adult rats. Winter Conference on Brain Research, Breckenridge, CO.
25. Doherty, JM, Dunigan, P, Li, C, Lee, A, Williams, B, **Frantz, K** (2010) Self-administration of heroin and incubation of heroin-seeking in adolescent vs adult male rats. Joint South East Nerve Net and Georgia/South Carolina Neuroscience Consortium meeting, Atlanta, GA.

26. Doherty JM, Dunigan P, Lee A, Williams B, **Frantz KJ** (2010) Attenuated effects of experimenter-administered heroin in periadolescent vs. adult male rats: locomotor sensitization and somatic signs of withdrawal. *2010 Abstract Viewer/Itinerary Planner*. Society for Neuroscience, San Diego.
27. Li C, **Frantz KJ** (2011) Age differences in effects of environmental manipulations on cue-induced reinstatement of cocaine-seeking in male rats. Winter Conference on Brain Research, Keystone.
28. Doherty JM, **Frantz, KJ** (2011) Attenuated effects of experimenter-administered heroin in adolescent vs. adult male rats: Locomotor sensitization and somatic signs of withdrawal. Winter Conference on Brain Research, Keystone.
29. Li C, McGinty JF, **Frantz KJ** (2011) Cocaine-seeking in adolescent vs. adult male rats correlates with differential expression of plasticity-related genes. *2011 Abstract Viewer/Itinerary Planner*. Soc for Neurosci, Washington DC.
30. White, AC, Li C, McGinty JF, **Frantz KJ** (2014) Arc and BDNF expression after cocaine self-administration or cue-induced reinstatement of cocaine-seeking in adolescent and adult male rats. *2014 Abstract Viewer/Itinerary Planner*. Society for Neuroscience, Washington DC.
31. Suess, GJ, Dave, JN, White, AC, Williams, RG, Daniel, BA, Williams, BF, **Frantz, KJ** (2016) Effects of an aversive white noise stimulus on cocaine self-administration, extinction, and reinstatement in adolescent and adult male rats. *2016 Abstract Viewer/Itinerary Planner*. Society for Neuroscience, San Diego.
32. Suess GJ, Kasiah J, Chassaing B, **Frantz KJ** (2019) Impact of gut dysbiosis on cocaine-seeking in adolescent and adult male rats. *2019 WCBR Schedule*. Winter conference on Brain Research. Snowmass, CO.
33. Suess, GJ, Kasiah, J, Anthony, B, Williams, BF, Chassaing, B, **Frantz, KJ** (2019) Altering the gut microbiota affects cocaine-seeking in adult but not adolescent male rats. *2019 AbstViewer/Itinerary Planner*. Soc for Neurosci, Chicago.
34. Suess GJ, de Guglielmo G, George OL, Chassaing B, **Frantz KJ** (2020) Gut microbial compositions associated with cocaine self-administration in adult male rats. *2020 WCBR Schedule*. Winter Conference on Brain Research. Big Sky.

LABORATORY RESEARCH - SEMINAR PRESENTATIONS

1. **Frantz, K.J.**, (2002) Psychostimulants in Adolescents. Neurobiology & Behavior Annual Retreat at Indian Creek Lodge, Atlanta, October 2002.
2. **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.
3. **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.
4. **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.
5. **Frantz, K.J.** (2005) “The Agony of Ecstasy and Other Tales of Teens” GSU Research Seminar, Atlanta, Feb 2005.
6. **Frantz, K.J.** (2005) “Teen Drug Abuse and Prevention via Science Education and Laboratory Research” Georgia State University Careers Seminar, Atlanta, September 2005.
7. **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.
8. **Frantz, K.J.** (2007) “Two Routes to Research: Bench and Education Science at GSU” Georgia State University Graduate Seminar, Atlanta, July 2007.
9. **Frantz, K.J.** (2008) “Perspectives on Vulnerability to Drugs among Adolescents” Georgia-South Carolina Neuroscience Consortium, Columbia, SC, March 2008.
10. **Frantz, K.J.** (2009) “The Fountain of Youth: Is Adolescent Resistance Part of the Story?” Seminar Organizer & Speaker “Adolescent Resistance to Long-Term Drug Effects” Speaker; Winter Conference on Brain Research, Copper, CO, Jan 2009.
11. **Frantz, K.J.** (2009) “Adolescent (in) Vulnerability” Georgia State Univ Brains & Behavior Seed Day, Atl, Aug 2009.
12. **Frantz, K.J.** (2009) “Adolescent (in)Vulnerability: Age Differences in Drug Intake and Relapse in Rats” Clayton State University, Jonesboro, GA, September 2009.
13. **Frantz, K.J.** (2010) “Last but not Least: Delayed Onset of Reward-Related Frontal Cortical Function in Adolescence” Invited Presenter with individual title: Adolescent (in)Vulnerability: An update on age differences in drug self-administration and reinstatement in male rats” at the Winter Conference on Brain Research, Breckenridge, CO, January 2010.
14. **Frantz, K.J.** (2011) “Drug sensitivity in adolescence: Vulnerability vs. resilience” Invited Presenter, Winter Conference on Brain Research, Keystone, CO, Jan 2011.
15. **Frantz, K.J.** (2011) “Adolescent Drug Vulnerability: A Period of Vulnerability or Resistance?” Invited Presenter with individual title: “Mechanisms of Adolescent (in)Vulnerability” at the American College on Neuropsychopharmacology, Waikaloa Village, HI, December 2011.

16. **Frantz, K.J.** (2013) “Perishable Potentials: Neural substrates of sex-specific risk for mental disorders during adolescence” Invited Presenter with individual title: “Adolescent Reward and Aversion.” Winter Conference on Brain Research, Breckenridge, CO, Jan 2013.
17. **Frantz, K.J.** (2015) “Sex-Specific Effects of Adolescent Drugs and Stressors on Neural, Metabolic, Immune, and Behavioral Outcomes” Panel Co-Chair (with G. Neigh, Emory), with individual presentation title: “Adolescent (in)Vulnerability to Enduring Effects of Drugs of Abuse” American Society for Neurochemistry Annual Meeting, Atlanta, Mar 2015.
18. **Frantz, K.J.** (2019) “The Gut Microbiota: Our Best Frenemy in Neurological Disorder and Disease.” Panel Chair with individual presentation. Winter Conference on Brain Research, Snowmass, CO, Feb 2019.
19. **Frantz, K.J.** (2019) “The Gut Microbiota: Our Best Frenemy in Neurological Disorder and Disease.” Invited seminar speaker in Pharmacology Lecture Series, University of Michigan, May 2019.
20. **Frantz, K.J.** (2021) “The Gut-Brain Axis in Addiction.” Invited keynote address for Nu Rho Psi Georgia State University Chapter Symposium, Online from Atlanta, Apr 2021.
21. **Frantz, K.J.** (2022) “Micro-level Organisms with Macro-Level Impact: Gut Bacteria in Addiction.” Panel Chair with individual presentation. Winter Conference on Brain Research, Snowmass, CO, Feb 2022.

GRANT SUPPORT (Science Education & Laboratory Research) **Ongoing Program & Research Grant Support**

04/01/2024-03/31/2026

Army Educational Opportunities Program, \$144,000 over 2 years

Institute On Neuroscience (ION) Program at Georgia State University

Education and training grant from the Department of Defense AEOP, administered through Rochester Institute of Technology. Funds summer research program for outstanding high school students.

Role: PI w/Erica Tracey (Key Faculty), Chris Goode (Key Faculty), and Jennifer Walcott (Program Coordinator)

08/01/24-07/31/25

J. William Fulbright Foreign Scholarship Board and U.S. Department of Education, P021A230042, \$143,035/1 yr

Fulbright-Hays Group Projects Abroad: Fostering Afro-Brazilian Curriculum Development and Research

Supports pre-travel cultural education and language acquisition for K-12 teachers, university faculty, university undergraduates, and program directors, with one-month trip to Salvador de Bahia, Brazil, in June 2024. Participants produce curriculum modules for teaching and/or research reports/chapters for professional development.

Role: Key Faculty w/Lakeyta Bonnette-Bailey (PI), Leslie Marsh (Key Faculty), and Elizabeth West (Key Faculty)

9/1/2023-8/31/2026

National Science Foundation, 2324987, \$450,000 over 3 years

Field of Dreams Conference 2023-2025

Conference grant funds support student travel and conference implementation for the annual meeting of the National Math Alliance, based at Purdue University.

Role: Co-PI w/David Goldberg (PI), Pamela Harris (Co-PI), Anne Marie Marshall (Co-PI), Shanise Walker (Co-PI)

6/1/2023-5/31/2026

The Mellon Foundation, 1801-05251, \$1,125,000 over 3 years, RENEWAL

The Humanities Inclusion Program (HIP) at Georgia State University

Funds establishment of mixed quantitative and qualitative approach to identify high academic performers and high potential talents to invite into the new Center for the Advancement of Students and Alumni (CASA), with systematic support for student progressions into PhD programs in humanities and related disciplines.

Role: PI with Denise Davison (Co-PI) and Lakeyta Bonnette-Bailey (Co-PI)

1/1/2023-12/31/2024, NCE – 12/31/2025

The Genentech Foundation, \$296,500 over 3 years

0.33 calendar

2022 Innovation Fund: Routes to Research through the Grady Trauma Project

This initiative recruits and retains undergraduates in pathways toward research careers by creating a course-based undergraduate research experience (CURE) and streamlining an onboarding process for clinical research and community research interns, all working to ameliorate the long-term impact of stress and trauma.

Role: Co-PI, with Briggs

11/01/22-08/01/2028

Howard Hughes Medical Institute, \$475,000 over 6 years

in-kind

Inclusive Excellence 3 Learning Community Cluster on Inclusive Instruction

Leadership and participation in learning community cluster on institutional change toward meaningful evaluation of effective and inclusive teaching in promotion and tenure decisions.

Role: PI

10/1/2022-2/28/2023

Dana Foundation, \$149,883 over 5 months additional comp

Dana Center for Neuroscience and Society: Stress and Trauma Consortium Planning Proposal

This planning grant gathers faculty, staff, and students around the potential to form a science and society center that uses community engagement to drive new research agendas around stress, trauma, recovery, and resilience, including education and training components for the next generation of multidisciplinary investigators who can democratize science.

Role: Co-Director, with PI Kim Huhman and Co-Director Abigail Lott

1/1/2022-12/31/2025

Alfred P. Sloan Foundation, \$500,000 over 3 years

Math Path Program at Georgia State University

Creates undergraduate research assistantships, facilitated graduate applications, transition grants to start PhD programs, and graduate program development toward inclusivity and belonging, as part of the Equitable Pathways to Graduate School initiative of the Alfred P. Sloan Foundation. In collaboration with the National Math Alliance, Arizona State University, Georgia Institute of Technology, Purdue University, University of Michigan, and the University of Minnesota.

Role: PI

9/30/21-8/30/26

NSF Center for Research Excellence in Science & Technology (CREST; 2112455), \$5,000,000 over 5 years

Center for Dynamic Multiscale and Multimodal Mapping Over the Lifespan (D-MAP)

D-MAP CREST uses brain imaging techniques to explore typical and atypical development and senescence in human brain and behavior. Three major basic science projects, along with education and training programs that focus on trainees from underrepresented demographic groups.

Role: Co-PI, and Co-Director for Science Education with Vince Calhoun (PI)

06/01/2019-05/31/2024

National Institute for General Medical Sciences, T34GM131939, \$1,553,412 over 5 years

MARC (Maximizing Access to Research Careers) at Georgia State:

Workforce Diversity through Honors Undergraduates.

Funds 10 honors-level undergraduate research assistants per year over five years, with professional development, CURE course expansions, futuristic biotech courses, and faculty mentor training.

Role: Contact PI with Ritu Aneja (Co-PI), to be Eric Gaucher (Co-PI)

Completed Program & Research Grant Support

7/1/2022-6/30/2023, NCE to 9/1/2023

GSU Research Innovation and Scholarly Excellence (RISE) Challenge Grant, \$250,000 over 1 year in-kind

Neuroscience Stress and Trauma Consortium

Creates collaborative research teams to garner funding for basic, translational, and applied research on stress and trauma, as well as applied and community research internships for undergraduate, graduate, and post-doctoral trainees, in collaboration with Emory University and The Grady Trauma Project.

Role: Co-PI, with PI Albers and Co-PIs Baggett and Huhman

06/01/2021-05/31/2023

National Institute for General Medical Sciences, T34GM131939-03S1, \$80,000 over 2 years

MARC (Maximizing Access to Research Careers) at Georgia State:

Workforce Diversity through Enhanced Mentoring - Supplement

Supplement to the MARC program grant. Funds creation of an online mentoring resource for creating customized mentoring workbooks for us with individuals or teams of trainees.

Role: Contact PI with Sherri Briggs (Key Investigator)

4/30/20-3/31/22, NCE to 2023

Howard Hughes Medical Institute, \$30,000 over 3 years

in-kind

Inclusive Excellence 3 Learning Community Cluster on Inclusive Instruction

Leadership and participation in learning community cluster on institutional change toward meaningful evaluation of effective and inclusive teaching in promotion and tenure decisions.

Role: PI

1/15/20-12/31/20, NCE to 2021

Lallemand Health Solutions, Inc., \$17,142 over 1 year

Frantz-Lallemand Research Agreement

This project supports laboratory research on the impact of probiotic treatments on relapse to cocaine-seeking after abstinence in adolescent and adult male rats.

Role: PI

01/01/2019-06/30/2023, including no-cost extensions from 2021-2023

The Mellon Foundation, 1801-05251, \$1,125,000 over 4 years

The Humanities Inclusivity Program (HIP) at Georgia State University

Funds establishment of mixed quantitative and qualitative approach to identify high academic performers and high potential talents to invite into the new Center for the Advancement of Students and Alumni (CASA), with systematic support for student progressions into PhD programs in humanities and related disciplines.

Role: PI with Denise Davison (Co-PI) and Lisa Armistead (Co-PI)

01/01/2019-12/31/2019

The Alfred P. Sloan Foundation, \$125,000 over 1 year

CASA-Sloan Scholars Program at Georgia State University

Funds establishment of mixed quantitative and qualitative approach to identify high academic performers and high potential talents to invite into the new Center for the Advancement of Students and Alumni (CASA).

Role: PI with Lisa Armistead (Co-PI)

01/23/2018-9/30/2018

The Mellon Foundation, 1801-05251, \$150,000 over 8 months

Early Identification System: Identifying High-Potential Students from Diverse Backgrounds to Support in Pathways toward Humanities PhDs

Funds strategic identification identify high academic performers and high potential talents to invite into the CASA.

Role: PI with Lisa Armistead (Co-PI)

03/17/2016-03/16/2022, including two no-cost extensions

National Institute for General Medical Sciences, R25GM11353206 for \$2,469,227 over 5 years

IMSD Atlanta: Promoting a Diverse Workforce in Atlanta

Funds education and training for undergraduates and graduate teaching assistants, as well as faculty development.

Role: Contact PI with Dan Cox (Co-PI)

03/2016-02/2021, no cost-extension to 2022

NSF 1553667, \$508,708 over 5 years

CAREER: Physiological responses of neural stem cells to low-level silver nanoparticles

CAREER Award to Georgia State University PhD alumna, Nadja Spitzer, Ph.D., now on faculty at Marshall University in West Virginia. Broader Impacts include expansion of public education initiatives.

Role: External Evaluator on Broader Impacts Brain Expo, with Nadja Spitzer (PI)

02/2016-05/2017

Georgia Department of Education, RH216-352/S001006, \$54,551 over 1 year

Atlanta's Professional Preparation for Enhancing Argumentation through Laboratories in Biology. Training in Argument-Driven-Inquiry (ADI) method for middle and high school teachers in the Atlanta Public Schools (APS).

Role: Biology Content Expert, Senior Personnel, with Patrick Enderle (PI)

9/2013-8/2015, no-cost extension to 8/2016

NSF WIDER - Planning Grant, \$249,226 over 2 years

Catalyzing Transformative Change in the STEM Disciplines at Georgia State University

The goal was to enhance STEM majors by encouraging faculty to make evidence-based changes in pedagogy.

Role: Co-Investigator with Dabney Dixon (PI)

5/2013-4/2018

National Institute on Mental Health, 1R25MH095735-01A1, \$543,240 over 5 years

ION/Teach: The Institute On Neuroscience for High School Students and Teachers

Intensive summer research program for high school students and teachers, including evaluation.

Role: PI with Goode, de Vries, Maney, & Smith (formerly Buffalo, then Zola)

9/2010-8/2015, no-cost extension to 8/2016

National Institute for General Medical Sciences, 1R25GM097636 for ~ \$1,700,000 over 5 years

BP-ENDURE-Atlanta: Engaging Undergraduates in Neuroscience Research. Funded two-year undergraduate research assistantships, including summer travel to a partner programs nationwide.

Role: PI with Brakke, Buffalo, Goode, Hopkins, Larimore, Smith (formerly Buffalo), & McKlin

5/2012-8/2012

The Conlee Family Supporting Foundation Program Grant, \$3,000 over 1 year

"Institute On Neuroscience"

Provides supplementary funding for intensive research program for outstanding high school students.

7/2011-6/2012

Georgia State University Brains & Behavior Seed Grant, \$30,000 over 1 year

Adolescent Drug Vulnerability: Impact of Stress

Role: PI

5/2011-8/2011

The Conlee Family Supporting Foundation Program Grant, \$7,500 over 1 year

"Institute On Neuroscience"

Funded intensive research program for outstanding high school students.

Role: PI

4/2009-4/2011

Medical University of South Carolina Pilot Grant, \$25,000 over 2 years

Cocaine-Seeking in Adolescent vs. Adult Male Rats Correlates with Plasticity-Related Transcription Factors

Role: Co-PI with Jacqueline McGinty, Ph.D.

7/2009-6/2010

Georgia State University Scholarly Activity Grant, \$15,000 over 1 year

Cocaine-Seeking in Adolescent vs. Adult Rats Correlates with Differential Expression of Neuroplasticity Genes

Role: PI

7/2009-6/2010

Georgia State University Brains & Behavior Seed Grant, \$30,000 over 1 year

Adolescent Drug Experience: Impact on Behavior and Dendrites

Role: Co-PI with Bradley Cooke, Ph.D.

9/2008-8/2012, no-cost extension through 8/2013

National Institute for General Medical Sciences, 1RO1GM085391-01 for \$1,156,000 over 4 years

Collaborative Research for Novice Undergraduates

Funds 4 year analysis of program, including design and validation of quantitative and qualitative assessment tools.

Role: PI with Britner, Carruth, DeHaan, Demetrikopoulos, Falkenberg, Gagne, Pecore, & Williams

6/2008

Writing Across the Curriculum Faculty Workshop Grant, \$2,000 over 1 summer

Neuroscience Exposition Internship Course Funded participation in workshop to improve writing engagement.

Role: PI/Independent Participant

1/2008-12/2008

The Dana Foundation K-12 Education Program Grant, \$20,000 over 1 year

Institute On Neuroscience. Funded intensive research program for outstanding high school students.

Role: PI

2/2007-1/2008

American College on Neuropharmacology (ACNP) Public Outreach Grant, \$5,000 over 1 year

Initiatives to Maximize Formal and Informal Science Education for Middle School Students

Funded one-year study on effects of pre-field trip visits to middle school classrooms on attention during a field trip.

Role: PI with Co-Investigators Leonard Howell, Michael Kuhar, and John Pecore

1/2006-6/2007

Center for Behavioral Neuroscience Venture Grant, \$27,636 over 1 year

Nucleus Accumbens Efferents in Reward and Reinforcement

Funded research comparing brain mechanisms of reward and reinforcement across various rewards.

Role: Co-PI with Darryl Neill

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

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

Role: Sponsored PI with mentor Margo Brinton

7/2005-7/2006

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

Georgia Aquarium Education / Research Project

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

Role: Co-PI with Paul Katz

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: PI

4/2005-7/2006

University of California, Davis / NSF 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

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

Role: PI

4/2005-4/2006

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

Sex Differences in Adolescent Vulnerability to Morphine.

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

Role: PI

10/2004-10/2005

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.

Funded study on sex differences in acquisition of morphine self-administration in adult rats after neonatal injury.

Role: Co-PI with Anne Murphy

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.

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

Role: Mentored PI (Mentors: Timothy Bartness and Anne Murphy)

6/2003-6/2004

Research Equipment Grant from Georgia State University, \$26,218 in 1 installment.

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

Role: Co-PI (with Laura Carruth)

6/1999-7/2002

NIDA Individual National Research Service Award, 5F32 DA05950 for \$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 PI (with Co-Sponsors George Koob and Loren Parsons)

8/1995-6/1996

Fulbright Grant, \$25,000 over 10 months (with 2-month extension from Ungerstedt).

Sponsored graduate research in Physiology & Pharmacology at the Karolinska Institute in Stockholm, Sweden.

Role: Sponsored PI (with mentors Urban Ungerstedt and William O'Connor)

AWARDS, FELLOWSHIPS, & TRAINEESHIPS

- 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, 96 Graduate Student Council Travel Grants
- 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, Program Grant
- 2003 GSU Writing Across the Curriculum Course Development Grant
- 2004 Society for Neuroscience Local Chapters Grant: Building Brain Boxes, with Demetrikopoulos & Redmond.
- 2006 MedAssociates Summer Workshop Scholarship: MedPC Programming and Intravenous Catheters.
- 2006 Society for Neuro Local Chapters Grant: "The Brain Balloon Project", with M. Demetrikopoulos.
- 2007 Cold Spring Harbor Course Scholarship: Cell Biology of Addiction.
- 2007 Georgia State University College of Arts and Sciences Outstanding Junior Faculty Award
- 2007 Society for Neuroscience Next Generation Science Educator Award
- 2011 American College on Neuropsychopharmacology Travel Bursary
- 2013 Georgia State University Faculty Award for Undergraduate Research
- 2016 Georgia State University Faculty Diversity Award
- 2016 Georgia State University Exceptional Service Award
- 2018 Panther of the Year Award
- 2019 Georgia State University College of Arts and Sciences Undergraduate Mentoring Award
- 2022 Georgia State University Justice, Equity, Diversity, and Inclusion (JEDI) Award for a University Unit

TEACHING & RELATED EXPERIENCE

University of Florida, Department of Psychology

- 1995, 97 **Seminar Participant:** The University Center for Excellence in Teaching
- 1997 **Guest Lecturer:** Merle Meyer's Physiological Psychology Laboratory
- 2000 **Guest Lecturer:** Neil Rowland's Neurochemistry: Drugs of Abuse from Culture to Molecule
- 1992 **Teaching Assistant:** Physiological Psychology Lecture Course
- 1994 **Teaching Assistant:** Physiological Psychology Laboratory Course
- 1997 **Instructor:** Introductory Physiological Psychology: 65 students, 16 weeks (wk)

The University of California at San Diego, Department of Psychology

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

Georgia State University, Department of Biology and Neuroscience Institute

- 2002-2010 **Instructor:** Fundamentals of Biology II, ~35-100 students, 16 wk
- 2003-2007 **Instructor:** Introduction to Neurobiology & Behavior, ~18-25 students, 16 wk
- 2003 **Instructor:** Career Seminar in Biology, ~90-115 students, 16 wk
- 2005-06 **Instructor:** Grad Seminars on Brain Mechanisms of Reward & Reinforcement ~10 students, 16 wk
- 2006-10 **Instructor:** Neuroscience Expo Internship Course, 40 students, 16 wk
- 2008-13 **Instructor:** Neurobiology, 40 students, 16 wk
- 2012-13 **Instructor:** Principles of Neuroscience, 25 students, 15 wk
- 2013-15 **Instructor:** Brain Mechanisms of Reward & Reinforcement (Writing Intensive), 15 students, 15 wk
- 2013-16 **Instructor:** Atlanta Science Festival Expo Internship Course, 15 students, 15 wk
- 2016-19 **Instructor:** Drugs and the Nervous System, 50 students, 15 wk
- 2019 **Instructor:** Thinking Nobel: Study Abroad to the Karolinska Institute, 22 students, 15 wk, 1 wk in-country
- 2021 **Instructor:** Caste Seminar: The Neurobiology of Race, 15 students, 15 wk
- 2023 **Instructor:** Thinking Nobel 2.0: Study Abroad to the Max Planck Institutes, 19 std's, 3 wk, 10 d in-country

SUPERVISORY RESPONSIBILITIES, resulting in dissertations or theses

- 1993-94 Deborah Babcock, University of Florida Undergraduate Honors Thesis
- 1999 K. Jonas Hansson, Karolinska Institute Master's Thesis
- 2003-07 Yvonne Ogbonmwan, GSU Undergraduate Honors Thesis
BS with Honors Awarded Fall 2007
- 2004-05 Mahin Shahbazi, GSU Graduate Research Assistant, Master's Degree Awarded Fall 2005
- 2007-08 Lauren Payne, GSU Graduate Research Assistant,
Master's Degree Awarded Summer 2008
- 2005-11 James Doherty, GSU Graduate Research Assistant, PhD Awarded Summer 2011
- 2005-11 Chen Li, GSU Graduate Research Assistant, PhD Awarded Summer 2011
- 2008-12 Adria Lee, ION High School Summer Program Scholar, GSU Undergraduate Honors Thesis,
BS with Honors Awarded, Spring 2012
- 2013-16 Alexandria White, GSU Undergraduate Honors Thesis,
BS with Honors Awarded, Fall 2015
- 2016-17 Jillian Dawson, GSU Undergraduate Honors Thesis, BS with Honors Awarded Fall 2017
- 2015-20 Gregory Sues, GSU Graduate Research Assistant, PhD Awarded Summer 2020
- 2019-22 Elizabeth Sambor, GSU Graduate Research Assistant, Master's Degree Awarded Summer 2022
- 2020-21 Kevin Mesape, GSU Graduate Research Assistant, Master's Degree Awarded Summer 2021

ADDITIONAL SUPERVISORY RESPONSIBILITIES

- 1997 Co-Director for the University of Florida NSF REU in Psychology (with N. Rowland, Ph.D.)
- 1997-98 Nicole Murrey, University of Florida Undergraduate Research Assistant
- 2000 Carmen Carrillo, University of California-San Diego Undergraduate Research Assistant
- 2001 Ashley Rowinski, University of California-San Diego Undergraduate Research Assistant
- 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 Assistant
- 2003-04 Kelly Smith, GSU Graduate Research Assistant
- 2003-23 Bonnie Williams, GSU Senior Laboratory Manager
- 2004-06 Angus Whyte, GSU Undergraduate Research Assistant
- 2004 Yeou-Rong Jih, ION High School Program Scholar
- 2004 Amanda Pollett, GSU Undergraduate Research Assistant and McNair Program Scholar
- 2004-05 Geary Smith, GSU Graduate Trainee on rotation
- 2004-05 Stephanie Gutzler, GSU Graduate Trainee on rotation
- 2004-07 Aimee McQueen, GSU Laboratory Technician
- 2005-06 Brian Lovell, CBN Education Intern
- 2005-12 Liz Weaver, Education Intern, Neuroscience Education Specialist (BRAIN Program Coordinator)
- 2005-06 Tara Bech, BRAIN Program Research Continuation Grantee
- 2005-06 Casie Lindsly, BRAIN Program Research Continuation Grantee

- 2005-06 Christy Powers, BRAIN Program Research Continuation Grantee
- 2006 Keisha Butler, BRAIN Undergraduate Summer Research Fellow
- 2006 Shereka Banton, ION High School Summer Program Scholar
- 2006-08 Nathan Waldron, GSU Undergraduate Presidential Scholar
- 2007 Aaron Ajlen, GSU Undergraduate Assistant
- 2007-08 Laila Majidi, CBN Education Intern
- 2007 Sasha Nicolaevskaya, ION High School Summer Program Scholar
- 2008-09 Bethany West, CBN Education Intern
- 2008 Khristian Pettigrew, GSU Undergraduate Research Assistant
- 2008-09 Eva Avino, GSU Undergraduate Research Assistant
- 2008-11 Evan Werstler, CBN Education Intern
- 2008-11 Adria Lee, ION High School Summer Program Scholar,
- 2009-10 Patrick Dunigan, GSU Undergraduate Research Assistant
- 2009 Boru Wang, ION High School Summer Program Scholar
- 2010 Rachel Mirpour, CBN Education Intern
- 2011-12 Laurie Murrah-Hanson, M.P.A., Administrative Specialist (NET/work Program Coordinator)
- 2011-13 John Polites, GSU Undergraduate Research Assistant
- 2012-13 Asti Jackson, GSU Undergraduate Research Assistant and McNair Scholar
- 2013-14 Emily Hardy, Administrative Specialist (NET/work and ION Program Coordinator)
- 2013-15 Rapheal Williams, GSU Undergraduate Research Assistant, NET/work Scholar
- 2013-14 Tierra Sanders, GSU Undergraduate Research Assistant, NET/work Scholar
- 2013-15 Maggie Hanley, GSU Graduate Research Assistant
- 2014-15 James Duffy, GSU Undergraduate Research Assistant
- 2014-17 Cheri Kersey, Ph.D., Special Programs Coordinator
- 2015-16 Brandee Winstead, Administrative Specialist (NET/work and ION Program Coordinator)
- 2015-16 Julia Dave, GSU Undergraduate Research Assistant
- 2015 Derrica Burke, GSU Post-Baccalaureate Research Assistant
- 2015-17 Brett Daniel, GSU Undergraduate Research Assistant
- 2016 Jacob Shreckengost, Ph.D., Administrative Specialist (NET/work and IMSD Program Coordinator)
- 2016-17 Alex White, Administrative Specialist (IMSD Program Coordinator)
- 2017-present Karen Hudson, Administrative Specialist (IMSD Program Coordinator)
- 2017-19 Jennysue Kasiah, GSU Undergraduate Research Assistant, IMSD Scholar
- 2018-19 Ben Anthony, GSU Undergraduate Research Assistant
- 2018 Cecily McMillan, CASA Graduate Research Assistant
- 2018-19 Yoshana Jones, CASA Graduate Research Assistant
- 2018-20 Baily Fairbanks, CASA Graduate Research Assistant
- 2018-21 Christopher Aguillon, CASA/IMSD Graduate Research Assistant, MARC Program Coordinator
- 2018-19 Sarah Clark, CASA Post-Doctoral Research Associate
- 2019-22 George Greenidge, CASA Graduate Research Assistant
- 2019 Lelania Watkins, CASA Graduate Research Assistant
- 2019 Julie Corso, CASA Graduate Research Assistant
- 2019 Natalie Brock, GSU Undergraduate Research Assistant
- 2019 Kaleb Carter, GSU Undergraduate Research Assistant
- 2019-22 Elizabeth Sambor, GSU Undergraduate Research Assistant, transition to MS thesis student
- 2019-21 Oyedoyin Oyebimiji, CASA Graduate Research Assistant
- 2019-21 Emem Ukpong, GSU Undergraduate Research Assistant, MARC Scholar
- 2019-21 Sneh Patel, PhD, Administrative Specialist (HIP and CASA Program Coordinator)
- 2019-20 Jamison Crawford, MPA, CASA Data Analyst
- 2019-20 Samantha Hatcher, Undergraduate Research Assistant, Agnes Scott College
- 2020-21 Doyel Datta, GSU Undergraduate Research Assistant
- 2020 Natoli Bora, GSU Undergraduate Research Assistant
- 2021 Li-Hsueh Cheng, CASA Data Analyst
- 2021-present Sherri Briggs, PhD, Project Coordinator (MARC and CASA Program Coordinator)
- 2022 Bentley Spain, CASA Graduate Research Assistant
- 2022-23 Samson DeMisse, CASA Graduate Research Assistant
- 2022-23 Ahsun Memon, CASA Graduate Research Assistant
- 2022-23 Brittany Guyre-Powell, PhD, CASA Graduate Research Assistant

- 2022-present Leslie Whitmire, CASA Graduate Research Assistant, transition to Staff Program Coordinator
- 2022-23 Leslie Spencer, CASA Graduate Research Assistant
- 2022-23 Melease Lynn, CASA Graduate Research Assistant
- 2023 Indiya Aryal, CASA Graduate Research Assistant
- 2023-present Yingqi (Elaine) Wang, CASA Data Analyst
- 2023-present Karis Perusek, CASA Graduate Research Assistant
- 2023-present Victoria Hogans, CASA Graduate Research Assistant
- 2003-present Annual advisor for hired and volunteer instructors and participants in programs listed above (ION, BRAIN, Brains Rule!, NET/work, IMSD, HIP, CASA-Sloan, MARC, Math Path, D-MAP, ATL Sci Fest, The Neuro School, and ad hoc CASA programming).

MAJOR SERVICE ACTIVITIES

CONFERENCE COORDINATION

- 2002-24 **Winter Conference on Brain Research (WCBR)**, Panel Organizer ('02, '09, '14, '16, '19, '22); Board of Directors (since 2011); School Visits Chair (2012-2014); Program Chair/Elect/Past (2014-2018); Conference Chair/Elect/Past (2019-2024)
- 2003 **“Adolescent Development: Challenges and Opportunities” Conference Poster Coordinator**, conference hosted by The New York Academy of Sciences, New York, Oct 2003.
- 2005 **“Best Practices in Science Education” Conference Organizer & Host** for 2-day conference with 100 attendees, 10 invited speakers, and ~\$10,000 budget. Yerkes National Primate Research Center, Oct 2005.
- 2009 **“Neuroscience in Education” Summit Steering Committee & Host**, the Presidential Initiative of T. Carew, Ph.D., as President of the Society for Neuroscience (2008-2009), University of California, Irvine, June 2009.
- 2013- **Georgia State’s Committee on the Atlanta Science Festival: Committee Co-Chair** (with Jeffery Boortz, Art & Design or Joe Normandin, Neuroscience): \$50-90,000/yr budget, with initiatives such as Discovery Day, Eureka Screen Series, Eureka Labs, Fusion Gallery, Plastic Gyre Symposium, etc.
- 2023- **“Field of Dreams” Conference Host**, Annual Meeting of the National Math Alliance, Georgia State University, Nov 2023-2025.

SCIENTIFIC SOCIETIES & UNIVERSITY COMMITTEES

- 1994- **Society for Neuroscience: Public Education and Communications Committee member** ('07-'10)
- 1995-04 **Int Behav Neurosci Soc: Symposium Chair** ('98) Education & Training Committee ('01-'03, Chair '02-'03)
- 2000-07 **The New York Academy of Science**
- 2000-01 **The Serotonin Club**
- 2002- **Winter Conference on Brain Research (WCBR; see above)**
- 2002- **The Center for Behavioral Neuroscience: Undergraduate Education Committee Co-Chair** ('02-'06), Pre-College Education Committee Member ('02-'10), Director of Education ('12-present)
- 2002-08 **National Association of Biology Teachers (NABT) & National Science Teachers Association (NSTA)**
- 2006-11 **Georgia State University Collegiate Neuroscience Society (CNS)**, Founding Faculty Advisor
- 2008-10 **Georgia State University Institutional Animal Care and Use Committee (IACUC)**
- 2009-17 **Georgia State University STEM Initiatives Committee**
- 2009-11 **Green Technologies Academy Advisory Board, DeKalb Technical College**, Secretary 2009-2010
- 2012-19 **Georgia State University Neuroscience Institute Undergraduate Program Committee**
- 2012-14 **Georgia State University Honors College Scholarship Interview Team**
- 2012-16 **Georgia State University Goldwater Scholarship Committee**, Faculty Liaison 2012-2014
- 2013-17 **Woodrow Wilson Graduate Teaching Fellowship Steering Committee**
- 2017 **Georgia State University College of Arts & Sciences Strategic Planning Committee**
- 2017 **Georgia State University Liaison to the APLU NSF INCLUDES Project on Faculty Diversity**
- 2017-19 **Georgia State University Presidential Commission for the Next Generation Faculty**
- 2019-20 **Georgia State University Implementation Committee for the Next Generation Faculty**
- 2020- **Georgia State University Neuroscience Institute Committee on Diversity, Equity, and Inclusion;** Currently known as the **Neuroscience Institute Community Committee**, Founding Chairperson
- 2021-23 **Georgia State University College of Arts & Sciences Elected Executive Committee**
- 2021-23 **Georgia State University Beckman Scholars Coordinating Committee**
- 2021-22 **Georgia State University Neuroscience Institute Elected Executive Committee**
- 2023 **Georgia State University Ad Hoc Review Committee (Chair) for Ignite Research Mentoring Award**
- 2023- **Georgia State University P & T Manual Review Committee**
- 2023 **Georgia State University Ad Hoc Review Committee (Chair) for Third-Year Review of a VP**

AD HOC REVIEWER for PROFESSIONAL JOURNALS

- Advances in Pharmacology
- CBE – Life Sciences Education
- Developmental Cognitive Neuroscience
- Developmental Psychobiology
- European Journal of Pharmacology
- Journal of Neurochemistry
- Journal of Neuroscience
- Journal of Pharmacology and Experimental Therapeutics
- Neuropharmacology
- Neuropsychopharmacology
- Neuroscience
- Pharmacology, Biochemistry and Behavior
- Physiology & Behavior
- PLOS-One
- Psychopharmacology

MONITORING EDITOR for PROFESSIONAL JOURNAL

- Cell Biology Education – Life Sciences Education (CBE-LSE)

REVIEWER for GRANTING AGENCIES

- City University of New York
- Center for Behavioral Neuroscience Venture Grants
- Georgia State University Brains & Behavior Seed Grants
- State of Georgia, Department of Education
- National Science Foundation (NSF)
- National Institute on Drug Abuse (NIDA)
- Nat'l Institute of General Medical Sciences (NIGMS):
Training, Workforce Development and Diversity Review
Panel (TWD-C), Fall 2016-Spring 2021; IDEA Grants
Ad Hoc Reviewer, Fall 2023
- Alfred P. Sloan Foundation