Gregg D. Stanwood, Ph.D.

Work:
Professor of Biomedical Sciences
Associate Director, Center for Brain Repair
Associate Director, Graduate Program in Biomedical Sciences
Florida State University, College of Medicine
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Education

University of Pennsylvania, Ph.D. in Neuroscience	1992 – 1997
Temple University, B.A. in Biology and Psychology, *summa cum laude*	1987 – 1991

Employment

Florida State University, Professor of Biomedical Sciences	Aug 2024 –
Florida State University, Associate Professor of Biomedical Sciences	2015 – 2024
Vanderbilt University, Adjunct Associate Professor of Pharmacology	2015 – 2017
Vanderbilt University, Assistant Professor of Pharmacology	2007 – 2015
Vanderbilt University, Research Assistant Professor of Pharmacology	2002 – 2007
University of Pittsburgh, Research Associate	1999 – 2002
University of Pittsburgh, Postdoctoral Fellow	1997 – 1998
Temple University, Research Technician	1989 – 1992

Awards and Honors

Rising Star, Academy of Science, Engineering and Medicine of Florida	2023
Outstanding Senior Faculty Educator, FSU College of Medicine	2022
Outstanding Senior Faculty Researcher, FSU College of Medicine	2022
Outstanding Reviewer, Experimental Biology and Medicine	2020
Outstanding Reviewer, The Journal of Neuroscience	2018
Elected President of the Developmental Neurotoxicology Society (DNTS)	2016 – 2017
Patricia Rodier Mid-Career Award in Research and Mentoring, Teratology Society	2015
"Mentor of the Year", Vanderbilt Neuroscience Graduate Group	2014
Organization of Black Graduate and Professional Students, Distinguished Faculty Award	2013
American College of Neuropsychopharmacology Travel Fellow	2010
PhRMA Foundation Pharmacology/Morphology Postdoctoral Award	1999 – 2001
NRSA Postdoctoral Training Grant Fellowship	1997 – 1998
NRSA Predoctoral Training Grant Fellowship	1996 – 1997
NSF Predoctoral Fellowship (Univ. of Pennsylvania)	1993 – 1996
Outstanding Achievement Scholar, Temple University	1987 – 1991

Current Research Support

G23C113779649 Stanwood (Multi-PI) 09/01/23 – 08/31/27
US Environmental Protection Agency
The Bioecological Center for Rural Children's Health (BeRCH)
BeRCH is a forward-thinking and environmental justice-based center that focuses on identifying and mitigating the interactive cumulative health consequences of pathological synergies amongst chemical and non-chemical stressors in children. BeRCH will 1) multilaterally attend to both chemical (pesticides,

heavy metals, particulate matter) and psychosocial stressors, 2) use transdisciplinary approaches to create new models, data streams and language to encompass insights drawing from intersectionality of disciplines, and 3) promote a participatory framework to increase community engagement and empowerment. Stanwood will direct the BeRCH.
Role: Principal Investigator

R21 OH012124-01A1 Stanwood (PI) 09/01/22 – 08/31/24
NIH / NIOSH
Noninvasive Pesticide Biomonitoring Using Sweat Patches
This project is scaling-up our effort to validate sweat patches as a novel non-intrusive strategy for pesticide biomonitoring in rural agricultural workers and expand our analyses to include endogenous markers of cellular and neural stress and inflammation.
Role: Principal Investigator

FSU Council on Research and Creativity Stanwood (PI) 06/21/24 – 06/20/25
NIH / NIMH
Adaptive and Maladaptive Consequences of Developmental Exposure to Semaglutide
Long-lasting GLP-1 analogs are perhaps the most effective medications ever developed to treat diabetes and obesity. However, their use has exploded across multiple patient and age groups, without much data to address potential effects on childhood and adolescent development. We will test whether juvenile and/or adolescent exposure to the GLP-1R agonist semaglutide alters neurobiological development.
Role: Principal Investigator

Planned Research Support

P50 MDXXXXXX-01 Stanwood (Multi-PI) 10/01/25 – 09/30/30
NIH / NIMHD
Pathways to Environmental and Health Resiliency: Research and Capacity Building in Environmental Health Disparities for Rural Agricultural Communities
Our proposed center will identify chemical and nonchemical environmental stressors affecting children in agricultural communities, build transdisciplinary research capacity around environmental exposures, and promote a participatory framework to increase community engagement and resiliency among populations experiencing environmental health disparities.
Role: Principal Investigator

Completed Research Support

Translational Health Research Seed Grant Stanwood & Hickner (Multi-PI) 06/01/20 – 06/30/24
FSU College of Medicine / UF-FSU Clinical and Translational Science Award
Rural Children's Health Pilot
Pesticides are ubiquitous, particularly in rural communities where agriculture is often the dominant industry, and have been implicated in birth defects, neurodevelopmental delays/disorders, and cardiometabolic complications. A multidisciplinary team is recruiting a preschool-based cohort of 100 parent-child dyads to identify pesticide compounds in biological samples, and relate these exposures to neurobehavioral status, learning disabilities, and inflammatory and metabolic dysregulation.
Role: Principal Investigator

Team Seed Grant Stanwood (PI) 03/01/20 – 06/30/22
FSU College of Medicine
Neuroendocrine and Neuroinflammatory Substrates of Dysregulated Sleep and Mood

This pilot proposal merges the research approaches of three laboratories (Olcese, Pickett, Stanwood) to examine the relationships between habitual short sleep and disturbed sleep and dysregulated neuroendocrine and inflammatory functioning.
Role: Principal Investigator

Planning Grant Kim (PI) 06/15/21 – 06/14/22
FSU Council on Research and Creativity
"Dribble4Change": The effectiveness of a mobile-app guided soccer program for promoting commitment to moderate-to-vigorous physical activity and enhancing mental health among older adults
The effects of a mobile-app guided, 6-week soccer program on the moderate-to-vigorous physical activity levels, sport commitment levels, and mental health among older adults will be tested and evaluated. Outcomes included physical activity, perceived stress, anxiety, depressive symptoms, sleep quality, and salivary cortisol.
Role: Co-Investigator

Research Grants in the Arts - Track II Van Lith (PI) 07/01/20 – 12/31/21
National Endowment for the Arts
Using the Arts as a Proactive Mental Health Strategy for Generation Z
A randomized controlled trial determined the unique role of the arts as a proactive mental health strategy for college students. Arts-only, mindfulness-only, and arts-based mindfulness interventions were compared in order to understand the biological and psychological mechanisms by which mindfulness-based art therapy can reduce mood disorder symptoms and physiological stress responses.
Role: Co- Investigator

R21 MH116429-01 Stanwood (PI) 07/01/18 – 06/30/21
NIH / NIMH
Regulation of Mood by Dopamine D1 Receptors on Cerebral Cortical Interneurons
Depression is a multifactorial brain disorder caused by a variety of alterations in neural structure and function. Available pharmacotherapies are effective in only a fraction of patients and have considerable side effects. We have discovered that blockade of dopamine D1 receptor signaling in a subset of cortical GABAergic interneurons produces antidepressant-like effects. We are defining the circuits and signaling molecules that confer this response, in order to identify new targets for the treatment of mood disorders.
Role: Principal Investigator

Pilot Project Stanwood (PI) 04/30/18 – 04/30/20
Southeastern Coastal Center for Agricultural Health and Safety
A Novel Approach to Monitoring Pesticide Exposure
Chronic low dose exposure to agricultural pesticides is a fundamental health threat to farmworkers. We identified sweat patches as a novel non-intrusive strategy for pesticide biomonitoring, in collaboration with Co-I Joseph Grzywacz, a productive researcher with 2 decades of experience conducting pesticide exposure research among immigrant Latino farmworkers.
Role: Principal Investigator

Multidisciplinary Support Grant VanLith (PI) 03/01/18-02/28/19
FSU Council on Research and Creativity
Biofeedback Responses to Art Therapy: A Multidisciplinary Approach to Reducing Anxiety and Stress in College Students
This proof-of-concept pilot award enabled us to use behavioral and physiological biomarkers to assess the possible beneficial effects of art therapy on stress responses.
Role: Co-Investigator

Independent Investigator Award Stanwood (PI) 09/15/15 – 09/14/18
NARSAD
Dopamine D2 Receptors Modulate Interneuron Development and Neuropsychiatric Behaviors
The goals of this NARSAD were to identify cell-specific mechanisms by which D_2Rs contribute to interneuron structure and function and increase risk for the development of mental health disorders.
Role: Principal Investigator

R21 DA035588-02 Stanwood (Multi-PI) 05/01/14 – 04/30/17
NIH / NIDA
GLP-1 Receptors and Psychostimulant Addiction
This NIDA Cutting-Edge Basic Research Award (CEBRA) application examined novel roles for brain incretin GLP-1 receptors in the regulation of drug reward.
Role: Multi-Principal Investigator

R01 MH086629-05 Stanwood (PI) 07/01/10 – 04/30/16
NIH / NIMH
Dopaminergic Modulation of Brain Development
The goal of this project was to identify developmentally modulated aspects of dopamine receptor expression and function in the central nervous system and establish novel strategies for normalizing neurodevelopmental trajectory following genetic and/or environmental perturbation.
Role: Principal Investigator

R01 NS078291-01 Colbran (PI) 10/01/12 – 01/31/15
NIH / NINDA
CAMKII, Endocannabinoids, Synaptic Plasticity, and Motor Function
Striatal medium spiny neurons integrate input signals from motor cortex and thalamus to provide precisely balanced output to other brain regions that control motor activity. This project investigated molecular mechanisms that control the strength of these signals, with the goal of identifying novel therapeutic targets to treat movement disorders.
Role: Co-Investigator

P50 MH096972-02 Blakely (PI) 07/01/12 – 01/31/15
NIH / NIMH
Enduring Effects of Early-Life Serotonin Signaling
The Silvio O. Conte Center for Neuroscience Research at Vanderbilt University investigates the developmental roles of serotonin in brain formation and function. I co-directed the Conte Physiology and Behavior Core Facility. In this role, I assisted Conte Center investigators in the design and implementation of neurobehavioral methods and supervised a research assistant devoted to behavioral studies within Center projects.
Role: Co-Investigator

P30HD015052 Mirnics (PI) 07/01/10 – 06/30/14
NIH / NICHD
VAND - CORE B (BASIC NEUROSCIENCE SERVICES)
Core B of the Vanderbilt Kennedy Center includes five integrated core services and facilities: (1) Molecular Neurobiology and Genomics, (2) Advanced Optical Microscopy, (3) Neurochemistry, (4) Mouse Behavioral Phenotyping, and (5) Scientific Instrumentation. I served as the Director of the Mouse Behavioral Phenotyping service.
Role: Co-Investigator

R01 ES020852 Aschner (PI) 08/03/12 – 07/31/13

NIH / NIEHS
Genetic Modulation of MEHG-induced oxidative stress in the developing brain
Provided behavioral expertise and support for studies on the role gene-environment interactions in methylmercury-induced neurodevelopmental toxicity.
Role: Co-Investigator

R01 MH066128 Perkel (PI) 07/01/09 – 05/31/13
NIH / NIMH
Synaptic processing in the basal ganglia
The goal of this project was to characterize the anterior forebrain pathway in the zebrafinch. This ortholog of the mammalian basal ganglia is a crucial site of experience-dependent plasticity in the songbird. My contribution involved the localization of specific dopamine receptors and dopamine-dependent signaling pathways to identified neuronal subtypes within this circuit.
Role: Principal Investigator (Vanderbilt University site)

Special Project Stanwood (PI) 11/01/10 – 12/31/11
AAALAC International
Environmental Enrichment and Anxiety State in Laboratory Mice
This proposal examined to what degree inclusion of simple, inexpensive, and disposable enrichment devices may alter brain function and behavior in laboratory mice.
Role: Principal Investigator

Young Investigator Award Stanwood (PI) 01/01/10 – 12/31/11
NARSAD
Prodromal Molecular Foundations of Mood Disorders
The goals of my NARSAD Young Investigator award were to identify the functional consequences of dopamine and serotonin receptor protein-protein interactions, and to examine how disruptions of these interactions might contribute to neurobehavioral disorders.
Role: Principal Investigator

Memberships / Professional Activities

Member, Child and Adolescent Mood Disorders Task Group of the National Network of Depression Centers	2018 – present
Member, American Society for Pharmacology and Experimental Therapeutics	2004 – present
Member, Developmental Neurotoxicology Society	2004 – present
Member, Society for Neuroscience	1994 – present

Editorial Service and Duties

Editor in Chief, Neurotoxicology and Teratology	2024 – present
Associate Editor, Frontiers in Behavioural Neuroscience	2018 – present
Editorial Board, Scientific Reports	2023 – present
Editorial Board, Experimental Biology and Medicine	2016 – present
Associate Editor, Developmental Neuroscience	2013 – present
Section Editor, Neurotoxicology and Teratology	2017 – 2024
Reviewing Editor, Frontiers in Behavioural Neuroscience	2007 – 2018
Editorial Board, Neurotoxicology and Teratology	2011 – 2017
Editorial Board, Developmental Neuroscience	2011 – 2013

Ad hoc reviewer for Journal of Neuroscience, Molecular Psychiatry, Neuropsychopharmacology, European Journal of Pharmacology, Genes, Brain & Behavior, Translational Psychiatry, Neuropeptides, Physiology and Behavior, Pharmacology, Biochemistry & Behavior, PLoS One,

Neurotoxicology, Toxicology Letters, Neuroscience Letters, Neuropharmacology, Psychopharmacology, Neurobiology of Stress, JAMA Psychiatry, Scientific Reports (list restricted to preceding 5-year period)

Study Section Service

Ad hoc Study Section Member, US-EPA Nov 2023, Feb 2024
Ad hoc Study Section Member, F02A – Behav. Neurosci. Fellowships Jun 2022, Nov 2022, Jul 2023. Mar 2024, Jul 2024
Ad hoc Study Section Member, Developmental Brain Disorders Jun 2009, Oct 2010, Jun 2011, Oct 2011, Jun 2013, Jun 2015 Feb 2021, Jun 2021, Oct 2021
University of Minnesota's Medical Discovery Team on Addiction Pilot Grant Program June 2020
Ad hoc Study Section Member, F03A – Dev Neurosci Fellowships Feb 2019, Nov 2019, Feb 2020 July 2020, Nov 2020
Qatar National Research Fund (QNRF) 2016, 2019
United States-Israel Binational Science Foundation Jan 2020
Ad hoc Study Section Member, ZRG1 IFCN-C (56) (Virtual Meeting) Mar 2018
Oak Ridge Associated Universities, Ralph E. Powe Awards 2016
Ad hoc Study Section Member, ZRG1 IFCN-L (56) R (video conference) Nov 2016
Ad hoc Study Section Member, ZRG1 IFCN-L (55) R (teleconference) Mar 2016
Ad hoc Study Section Member, Neurogenesis and Cell Fate Feb 2016
Ad hoc Study Section Member, ZMH1 ERB-L (02) S (teleconference) Nov 2013
NWO Council for the Earth and Life Sciences 2013
The Netherlands Organisation for Health Research and Development 2012, 2013
Ad hoc Study Section Member, MDCN J(04) (teleconference) Nov 2012
Ad hoc Study Section Member, ZMH1 ERB-L (05) S (teleconference) Jul 2011
Ad hoc Study Section Member, BRAINS (ZMH1 ERB-L) Jun 2009, Mar 2010, Mar 2011
Ad hoc Study Section Member, ZRG1 MDCN-G (AED) Mar 2009

Invited Seminars

Southern Georgia University, College of Science and Mathematics, June 2024
NIDA Minicourse - Frontiers in Addiction Research and Pregnancy, San Diego CA, March 2024
Symposium Speaker, Spring Brain Meeting (Sedona, AZ), April 2023
NIDA Minicourse - Frontiers in Addiction Research and Pregnancy, San Diego CA, February 2023
Mississippi Public Health Institute, Effects of Prenatal Drug Exposures: From Society to Self to Cells, October 2022
NIDA Minicourse - Frontiers in Addiction Research and Pregnancy, virtual, February 2022
NIDA Minicourse - Frontiers in Addiction Research and Pregnancy, virtual, June 2021
NIDA Minicourse - Frontiers in Addiction Research and Pregnancy, San Diego CA, January 2020
Juvenile Toxicology Symposium (10^{th}), Janssen R&D, Beerse, Belgium, March 2019
Plenary Speaker, Spring Brain Meeting (Sedona, AZ), April 2019
Florida Atlantic University, FAU Brain Institute, November 2018
Teratology Society Education Course, Clearwater, FL, June 2018
Brazilian Society of Neurosciences and Behavior, Santos, Brazil, August 2018
Tennessee State University, Department of Biology, April 2016
Samford University, Department of Biology, November 2015
University of Texas Medical Branch, Galveston, April 2015
Plenary Speaker, American College of Neuropsychopharmacology (ACNP), December 2014
Case Western Reserve University, Department of Neurosciences, October 2014
NIDA Intramural Program, September 2014

University of Alabama Birmingham, Department of Psychiatry, March 2014
University of Texas San Antonio, Department of Pharmacology, February 2014
Medical University of South Carolina, Dept of Neurosciences, January 2014
University of Colorado at Boulder, Neuroscience Program, November 2013
Florida State University, Biomedical Sciences Department, July 2013
Methods in Behavioral Neuroscience, Satellite/Ancillary Event to SfN Meeting, October 2012
National Institute of Environmental Health Sciences (NIEHS), Durham, NC, August 2011
Meharry Medical College, Nashville, TN, May 2011
University of Cincinnati, Neuroscience Graduate Program and Dept Pediatrics, December 2009
Cortical Modularity in Autism Congress, Louisville, KY, October 2007
University of Michigan, Biopsychology Department, June 2007
Massachusetts General Hospital Center for Neuroscience, January 2007

Teaching

Course Director, Introduction to Biomedical Sciences Research I and II	2022 –
Lecturer, Current Research in Biomedical Sciences	2022
Course Director, Neuroscience: CNS and Behavior, FSU College of Medicine	2017 –
Course Co-Director, Research Opportunities in BMS, FSU College of Medicine	2017 –
Course Co-Director, Biomed Science Seminar, FSU College of Medicine	2017 –
Lecturer, Professional Development, Florida State University College of Medicine	2015 –
Course Director, Special Topics in Biomedical Sciences, Developmental Neuroscience	2020
Lecturer, BMS Bootcamp, Florida State University College of Medicine	2019 – 2021
Lecturer, Molecular Basis of Common Human Diseases, FSU College of Medicine	2019
Course Co-Director, Developmental Neuroscience, FSU College of Medicine	2018, 2021, 2024
Course Co-Organizer and Content Expert, Neuroscience: CNS and Behavior	2015 – 2016
Lecturer, Research Techniques, Florida State University College of Medicine	2015 – 2017
Lecturer, IGP, Getting Hooked: The Biology of Addiction, Vanderbilt University	2011 – 2015
Co-Director, PHAR322, Scientific Communication Skills	2011 – 2015
Lecturer, PHAR320, Targets, Systems & Drug Action	2010 – 2015
Lecturer, NURO340, Systems Neuroscience, Vanderbilt University	2009 – 2014
Guest Lecturer, NSC 269, Developmental Neuroscience	2013
Course Director, NURO331, Advanced Topics in Mammalian Forebrain Development, Vanderbilt University	2010
Lecturer, IGP, Bioregulation (Neuroscience Section), Vanderbilt University	2008 – 2010
Lecturer, VMSII, Brain & Behavior, Vanderbilt University	2008 – 2010
Independent Study Director, NEURO 291, Vanderbilt University	2006 – 2010
Lecturer, NURO346, Advanced Molecular Neurobiology, Vanderbilt University	2006 – 2008
Lecturer, PHAR321, Principles of Drug Action, Vanderbilt University	2008
Lecturer, PHAR320, Pharmacological Targets & Mechanisms, Vanderbilt University	2006, 2011
Instructor, Cellular Communication and Signaling, University of Pittsburgh	2001
Chief Teaching Assistant for Biological Basis of Behavior 209 Introduction to Brain and Behavior, University of Pennsylvania	1994 – 1995

Service / Committees / Training Activities

Member, Faculty Senate, FSU	2023 -
Member, University Curriculum Committee, FSU	2023 -
Member, Faculty Development Committee, Dept Biomedical Sciences, FSU	2022 –
Councilor, Developmental Neurotoxicology Society (elected position)	2021 – 2024
Faculty Advisor, Student Interest Group in Neurology (SIGN), FSU College of Medicine	2020 –
Quality Enhancement Review of Graduate Programs, FSU College of Medicine	2018

Year 1 and 2 Medical Education Committee, FSU College of Medicine	2017 –
Graduate Policy Committee, Dept Biomedical Sciences, FSU College of Medicine	2016 –
Nominations Committee, Developmental Neurotoxicology Society	2017 – 2020
President, Developmental Neurotoxicology Society (elected position)	2016 – 2017
Councilor, Developmental Neurotoxicology Society (elected position)	2016 – 2019
Chair, Faculty Development Committee, Dept Biomedical Sciences, FSU	2015 – 2017
Financial Coordination, Vanderbilt Brain Institute Neuroscience Cores	2013 – 2015
Director, Vanderbilt Mouse Neurobehavioral Core	2013 – 2015
Associate Director, Vanderbilt Mouse Neurobehavioral Core	2007 – 2013
Panel Member, Grants & Fellowships Workshop	2011
Symposium Speaker, KY Governor's Scholars Workshop, Nashville, TN	2013 – 2014
Neurobehavioral Teratology Society (NBTS) Council Member (elected position)	2009 – 2011
Chair, NBTS Publications Committee	2012 – 2015
Member, NBTS Membership Committee	2007 – 2010
Member, NBTS Public Affairs Committee	2006 – 2009
Member, IACUC, Vanderbilt University	2006 – 2008
Member, Large Animal Advisory Committee, Vanderbilt University	2006 – 2015
Member, Vanderbilt University School of Medicine Basic Sciences Planning Committee on Enhancing Communication	2008
Member, Vanderbilt Kennedy Center Strategic Planning Committee on Balance	2008
Member, Vanderbilt University Department of Pharmacology Taskforce on Improving Graduate and Postdoctoral Training	2006
Member, Vanderbilt University Department of Pharmacology Training Program Advisory Committee	2010

Student Mentoring (Research)

Undergraduate Research Mentor, Elena Malchevskaya	2024 –
Undergraduate Research Mentor, Kayla Frameli	2023 –
Rotation Advisor, Andre Nuta (FSU Biomedical Sciences)	2023
Rotation Advisor, Quill Thomas (FSU Biomedical Sciences)	2023
Undergraduate Research Mentor, Zoe Krassos	2023 – 2024
College of Medicine Summer Research Fellowship Mentor, Matthew Blum	2023
Undergraduate Research Mentor, Ryan Terry	2023 – 2024
Rotation Advisor, Sediqua Bufford (FSU Biomedical Sciences)	2023
Rotation Advisor, Violet Bodycot (FSU Biomedical Sciences)	2022
Undergraduate Research Mentor, Giovanni Moraes	2022 – 2023
Rotation Advisor, Mia Trupiano (FSU Biomedical Sciences)	2022
Rotation Advisor, Daniel Betancourt (FSU Biomedical Sciences)	2022
College of Medicine Summer Research Fellowship Mentor, Rida Darji	2021
Thesis Advisor, Yasmeena Thabet (FSU Biomedical Sciences)	2021 –
Undergraduate Research Mentor, Alicia Hellman	2021 – 2023
Undergraduate Research Mentor, Marcya Bobian	2021
Thesis Advisor, Nella Delva (FSU Biomedical Sciences)	2020 –
Undergraduate Research Mentor, Melanie Trespalacios	2019 – 2021
Undergraduate Research Mentor, Daniella Ortiz	2018 – 2020
Undergraduate Research Mentor, Haley Madkour (including Honors in the Major)	2018 – 2020
Undergraduate Research Mentor, Tyson Murray	2016 – 2018
Undergraduate Research Mentor, Olivia Williams	2016 – 2018
Undergraduate Research Mentor, Matthew Menzel	2017 – 2018
Undergraduate Research Mentor, Olivia Jackson	2016 – 2017

Undergraduate Research Mentor, Taylor Trammel (including Honors in the Major) 2015 – 2018
Thesis Advisor, Gloria Lee (FSU Biomedical Sciences) 2016 – 2018
Postdoctoral Mentor, Dr. Yuanhu Jin 2015 – 2017
Undergraduate Research Mentor, Rachel Abercrombie 2015 – 2017
Undergraduate Research Mentor, Kala Brown 2015
Undergraduate Research Mentor, Jenniffer Rodriguez-Diaz 2015 – 2016
Thesis Co-Advisor, Kelli Money, Vanderbilt Neuroscience Graduate Group 2012 – 2016
Postdoctoral Mentor, Dr. Devon Graham 2011 – 2015
Thesis Advisor, Aliya L. Frederick, Vanderbilt Neuroscience Graduate Group 2008 – 2012
(Aliya was supported by NRSA F31 DA029499 and the SfN Neuroscience Scholars Program)
Rotation Advisor, Victoria Cavener (Vanderbilt IGP) 2012
Rotation Advisor, Katie Sprinkel (Vanderbilt IGP) 2012
Rotation Advisor, LeAnne Kurela (Vanderbilt IGP) 2012
Rotation Advisor, Max Joffe (Vanderbilt IGP) 2011
Rotation Advisor, Daniel Bermingham (Vanderbilt IGP) 2011
Rotation Advisor, Justin Siemann (Vanderbilt IGP) 2011
Rotation Advisor, India Reddy (Vanderbilt MSTP) 2011
Rotation Advisor, Caitlin Gessner (Vanderbilt IGP) 2010
Rotation Advisor, Martin Schmidt (Vanderbilt IGP) 2009
Rotation Advisor, Aliya L. Frederick (Vanderbilt MSTP) 2008
Rotation Advisor, Fazal Arain (Vanderbilt IGP) 2008
Rotation Advisor, Jennifer Pryweller (Vanderbilt CPB) 2008
Undergraduate Honors Research Mentor, Michelle Chapman (B.S. candidate 2016) 2013 – 2015
Undergraduate Research Mentor, Vanessa Fuentes (B.S. candidate 2015) 2012 – 2014
Research Mentor, Conte Center Summer Program, Tair Werner 2014
Research Mentor, Conte Center Summer Program, Will Schreiber-Stainthorp 2013
Undergraduate Research Mentor, Jamie Garden (B.S. candidate 2014) 2012 – 2014
Undergraduate Honors Research Mentor, Rebecca Bluett (B.A. candidate 2012) 2010 – 2012
Undergraduate Honors Research Mentor, Tushina Jain (B.A. candidate 2011) 2010 – 2011
Undergraduate Research Mentor, Alex Carpenter (B.S. candidate 2012) 2009 – 2011
Research Mentor, Vanderbilt/Lipscomb Summer Research Program, Manjula Jalaban 2011
Research Mentor, Vanderbilt/Lipscomb Summer Research Program, Jason Boswell 2010
Undergraduate Honors Thesis Member, Margaret Reich (laboratory of Pat Levitt) 2009 – 2010
Undergraduate Research Mentor, Catherine Killinger (B.A. candidate 2010) 2008 – 2010
Undergraduate Research Mentor, Rachel Fogg (B.S. 2009) 2007 – 2009
Research Mentor, ASPET Summer Undergraduate Program, Moriah Scarborough 2008
Undergraduate Research Mentor, Moriah Scarborough (B.A. 2009) 2008
Undergraduate Research Mentor, Matthew Crozier (B.S. 2007) 2006 – 2007
Undergraduate Research Mentor, Michael Putman (B.S. 2009) 2006 – 2007
Undergraduate Research Mentor, Lee Rebecca Rantz (B.A. 2007) 2006
Research Mentor, ASPET Summer Undergraduate Program, Kari Jackson 2006
Undergraduate Research Mentor, Duncan Leitch (B.S., Vanderbilt, 2006) 2005 – 2006
Undergraduate Research Mentor, Jennifer Schwartz (B.A., Vanderbilt, 2005) 2004 – 2005

Student Committees

Thesis Committee Member, Abby Randolph (laboratory of Linda Rinaman) 2024 –
Florida State University Neuroscience Program
Thesis Committee Member, Stefani Morgan (laboratory of Chris Martin) 2024 –
Florida State University Psychology Program
Thesis Committee Member, Inge Guerrero (laboratory of Linda Rinaman) 2023 –

Florida State University Neuroscience Program
Thesis Committee Member, McKinney Pitts (laboratory of Derek Nee) 2023 – 2024
Florida State University Psychology Program
Thesis Committee Member, Danah Alquraish (laboratory of Yuan Wang) 2022 –
Florida State University Biomedical Sciences Program
Thesis Committee Chair, Yasmeena Thabet 2021 –
Florida State University Biomedical Sciences Program
Thesis Committee Chair, Nella Delva 2020 –
Florida State University Biomedical Sciences Program
Thesis Committee Member, Austin Gallyer (laboratory of Greg Hajcak) 2020 – 2023
Florida State University Neuroscience Program
Thesis Committee Member, Marisa Tillery (laboratory of Tim Megraw) 2018 – 2023
Florida State University Biomedical Sciences Program
Thesis Committee Member, Sara Jones (laboratory of Pradeep Bhide) 2018 – 2022
Florida State University Biomedical Sciences Program
Thesis Committee Member, Jonathon Ryan (laboratory of Greg Hajcak) 2018 – 2022
Florida State University Neuroscience Program
Thesis Committee Member, Manaal Tabaa (laboratory of Liz Hammock) 2018 – 2019
Florida State University Neuroscience Program
Thesis Committee Member, Calyn Maske (laboratory of Diana Williams) 2017 – 2020
Florida State University Neuroscience Program
Thesis Committee Member, Melissa Martin (laboratory of Pradeep Bhide) 2015 – 2019
Florida State University Biomedical Sciences Program
Thesis Committee Member, Isaac Zike (lab of Jeremy Veenstra-Vanderweele) 2012 – 2017
Vanderbilt University Pharmacology Program
Thesis Committee Member, Alex Nackenoff (laboratory of Randy Blakely) 2011 – 2017
Vanderbilt University Pharmacology Program
Thesis Committee Member, Katherine Louderback (laboratory of Danny Winder) 2011 – 2016
Vanderbilt University Neuroscience Program
Thesis Committee Chair, Andrea Belovich (lab of A. Galli, replaced when moved to FSU) 2013 – 2015
Vanderbilt University Pharmacology Program
Thesis Committee Chair, Max Joffe (lab of B. Grueter, replaced when moved to FSU) 2013 – 2015
Vanderbilt University Pharmacology Program
Thesis Committee Member, Mike Nedelcovych (laboratory of Carrie Jones) 2012 – 2015
Vanderbilt University Pharmacology Program
Thesis Committee Chair Olga Dadalko (lab of A. Galli, replaced when moved to FSU) 2012 – 2015
Vanderbilt University Neuroscience Program
Thesis Committee Chair, Becca Klar (laboratory of Jeff Conn) 2013 – 2015
Vanderbilt University Pharmacology Program
Thesis Committee Member, Richard O'Neil (laboratory of Ron Emeson) 2010 – 2015
Vanderbilt University Neuroscience Program
Thesis Committee Member, Noah Green (laboratory of Doug McMahon) 2012 – 2015
Vanderbilt University Biological Sciences Program
Thesis Committee Member, Mark Grier (laboratory of Andre Lagrange) 2011 – 2015
Vanderbilt University Neuroscience Program
Thesis Committee Member, Chris Muller (laboratory of J. Veenstra-VanderWeele) 2010 – 2014
Vanderbilt University Neuroscience Program
Thesis Committee Chair, Karen Ho (laboratory of Dave Calkins) 2011 – 2014
Vanderbilt University Pharmacology Program
Thesis Committee Member, Martin Schmidt (laboratory of Karoly Mirnics) 2011 – 2013

Vanderbilt University Neuroscience Program

Thesis Committee Member, Marc Mergy (laboratory of Randy Blakely) 2011 – 2013
Vanderbilt University Neuroscience Program

Thesis Committee Member, Peter Vollbrecht (laboratory of Ariel Deutch) 2010 – 2013
Vanderbilt University Neuroscience Program

Thesis Committee Member, Lyndsey Anderson (laboratory of Al George) 2010 – 2013
Vanderbilt University Pharmacology Program

Thesis Committee Member, Mike Siuta (laboratory of Aurelio Galli) 2009 – 2011
Vanderbilt University Neuroscience Program

Thesis Committee Member, DJ Sakrikar (laboratory of Randy Blakely) 2008 – 2011
Vanderbilt University Neuroscience and MSTP Program

Thesis Committee Member, Jennifer Madison (laboratories of Deutch & Aschner) 2007 – 2011
Vanderbilt University Pharmacology Program

Thesis Committee Member, Marcus Ferguson (laboratory of Twum Ansah, Meharry Medical College), Neurobiology and Neurotoxicology 2008 – 2010

Thesis Committee Member, Molly Brown (laboratory of Greg Mathews) 2007 – 2010
Vanderbilt University Pharmacology Program

Thesis Committee Member, Nicole Speed (laboratory of Aurelio Galli) 2007 – 2010
Vanderbilt University Pharmacology Program

Thesis Committee Member, Adeola Davis (laboratory of Danny Winder) 2007 – 2009
Vanderbilt University Neuroscience Program

Thesis Committee Member: James Koprich, "Neurochemical Consequences and Potential Mechanisms of Prenatal Exposure to MDMA", Advisor: Jack Lipton, Rush University Medical Center 2005

Qualifying Exam Committee, Jessica Hines-Beard (laboratory of Tonia Rex) 2014
Vanderbilt University Neuroscience Program

Qualifying Exam Committee, Tracy Fetterly (laboratory of Danny Winder) 2014
Vanderbilt University Neuroscience Program

Qualifying Exam Committee, Chelsea Snarrenberg (laboratory of Randy Blakely) 2014
Vanderbilt University Neuroscience Program

Qualifying Exam Committee, India Reddy (laboratory of Aurelio Galli) 2013
Vanderbilt University Neuroscience Program

Qualifying Exam Committee, Cassie Retzlaff (laboratory of Randy Blakely) 2013
Vanderbilt University Neuroscience Program

Qualifying Exam Committee, Kevin Kumar (laboratory of Aaron Bowman) 2012
Vanderbilt University Neuroscience Program

Qualifying Exam Committee, Stephanie Flavin (laboratory of Danny Winder) 2011
Vanderbilt University Neuroscience Program

Qualifying Exam Committee, Alonzo White (laboratory of Lou Muglia) 2011
Vanderbilt University Neuroscience Program

Qualifying Exam Committee, Sudipta Gupta (laboratory of Miki Aschner) 2010
Vanderbilt University Neuroscience Program

Qualifying Exam Committee, Martin Schmidt (laboratory of Karoly Mirnics) 2010
Vanderbilt University Neuroscience Program

Qualifying Exam Committee, Nicholas Campbell (laboratory of Jim Sutcliffe) 2009
Vanderbilt University Neuroscience Program

Qualifying Exam Committee, Duncan Leitch (laboratory of Kenneth Catania) 2009
Vanderbilt University Neuroscience Program

Qualifying Exam Committee, Stephanie Bronson (laboratory of Christine Konradi) 2008
Vanderbilt University Neuroscience Program

Research Publications (h index = 43; i10-index = 73)

Graham, D.L., Delva, N.C., Noble, B.L., Jin, Y., & **Stanwood, G.D.** Regulation of mood and cognition by dopamine D1 receptors on cerebral cortical interneurons, manuscript in preparation.

Graham, D.L., He, H., Hellman, A., Grzywacz, J. & **Stanwood, G.D.** Methods for detecting pesticides and metabolites in urine and sweat from Latino farmworkers, manuscript in preparation.

Ochegbu. C., Nguyen, T., Sood, I., Blankenship, K., He H., Stanwood, G.D., Vied, C., & Graham D.L. Prenatal fentanyl exposure affects social behavior and myelination patterns in the adult brain. Submitted to Neuropsychopharmacology.

Rosado, J.I., Mesidor, J.K., Chege, S., Wang, Y., Torres, L., & **Stanwood, G.D**. Assessment of adverse childhood experiences in adolescents from a rural agricultural community: Associations with depressive symptoms and psychosocial problems. Neurotoxicol Teratol. 2024 Nov-Dec;106:107396. doi: 10.1016/j.ntt.2024.107396. Epub 2024 Sep 24. PMID: 39326686.

Jones, S.K., McCarthy D.M., **Stanwood G.D.,** Schatschneider C., Bhide P.G. Learning and memory deficits produced by aspartame are heritable via the paternal lineage. Sci Rep. 2023 Aug 31;13(1):14326. doi: 10.1038/s41598-023-41213-2. PMID: 37652922; PMCID: PMC10471780.

Cheshure, A. **Stanwood, G.D.,** Van Lith, T. & Pickett, S.M. Distinguishing difference through determining the mechanistic properties of mindfulness-based art therapy, Current Research in Behavioral Sciences, 2023, https://doi.org/10.1016/j.crbeha.2023.100106.

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Lee, G., Graham, G.L. Noble, B.L, Trammell, T.S., McCarthy, D.M., Anderson, L.R., Rubinstein, M., Bhide, P.G., & **Stanwood, G.D.** Behavioral and neuroanatomical consequences of cell-type specific loss of dopamine D2 receptors in the mouse cerebral cortex. Front. Behav. Neurosci., Jan 13;15:815713. doi: 10.3389/fnbeh.2021.815713. PMID: 35095443.

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Graham, D.L., Madkour, H.S., Noble, B.L., Schatschneider, C. & **Stanwood, G.D.** Long-term functional alterations following prenatal GLP-1R activation *Neurotoxicology and Teratology*, 2021 Apr 20;87:106984. doi: 10.1016/j.ntt.2021.106984. PMID: 33864929.

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