BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. DO NOT EXCEED FOUR PAGES.

NAME
Stanwood, Gregg D.

POSITION TITLE
Assistant Professor of Pharmacology

eRA COMMONS USER NAME (credential, e.g., agency login)
STANWOGD

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)

<table>
<thead>
<tr>
<th>INSTITUTION AND LOCATION</th>
<th>DEGREE (if applicable)</th>
<th>MM/YY</th>
<th>FIELD OF STUDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temple University, Philadelphia, PA</td>
<td>BA</td>
<td>1987-1991</td>
<td>Biology/Psychology</td>
</tr>
</tbody>
</table>

NOTE: The Biographical Sketch may not exceed four pages. Follow the formats and instructions below.

A. Personal Statement

I am a behavioral neuropharmacologist and developmental neurobiologist. Studies in my lab integrate careful neurobehavioral assessments with pharmacological, biochemical and molecular neuroanatomical approaches. We particularly focus on the developmental basis of neurodevelopmental and behavioral disorders and their successful treatment throughout the lifespan. I also serve as the Director of the Murine Behavioral Core within our current NICHD-supported Neuroscience Core Services (IDDRC P30 HD015052). In this role, I assist Center researchers in the design, execution and analysis of their ongoing neurobehavioral studies. The Core has been very productive and has been instrumental in assisting project investigators achieve their goals in time- and cost-effective manners. I am very excited to be able to contribute to this U54 application and continue this vital service in support of our core investigators and the Research Component (PI: Dr. Veenstra-Vanderweele).

B. Positions and Honors

Positions
1992-1997 Predoctoral Fellow, Institute for Neurological Sciences and Dept. of Pharmacology, University of Pennsylvania
1997-1998 Postdoctoral Fellow, Department of Neurology, University of Pittsburgh Medical Center
1998-2002 Research Associate, Department of Neurobiology, University of Pittsburgh Medical Center
2002-2007 Res. Assistant Professor, Department of Pharmacology, Vanderbilt University Medical Center
2007-Pres Assistant Professor, Department of Pharmacology, Vanderbilt University Medical Center

Honors
1987-1991 Temple University Outstanding Achievement Scholar, summa cum laude
1993-1996 NSF Predoctoral Fellowship
1997-1998 NRSA Postdoctoral Training Grant Fellowship
1998-2000 PhRMA Foundation Pharmacology/Morphology Postdoctoral Fellowship
2010 American College of Neuropsychopharmacology Travel Fellow

C. Selected Peer-reviewed Publications (15 of 51 total publications)


D. Research Support

Current Research Support

R01 MH086629-04 Stanwood (PI) 07/01/10 – 03/31/15
NIH / NIMH

Dopaminergic Modulation of Brain Development
The goal of this project is 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

P50 MH096972-02 Blakely (PI) 07/01/12 – 06/30/17
NIH / NIMH

Enduring Effects of Early-Life Serotonin Signaling
The renewal of the Silvio O. Conte Center for Neuroscience Research at Vanderbilt University investigates the developmental roles of serotonin in brain formation and function. Dr. Stanwood is a co-Director of the Conte

Program Director/Principal Investigator (Last, First, Middle):
Program Director/Principal Investigator (Last, First, Middle):

Physiology and Behavior Core Facility. In this role, he assists Conte Center investigators in the design and implementation of neurobehavioral methods and supervisors a research assistant devoted to behavioral studies within Center projects.

Role: Co-Investigator

R01 NS078291-02  Colbran (PI)  10/01/12 – 09/30/17
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 investigates molecular mechanisms that control the strength of these signals, with the goal of identifying novel therapeutic targets to treat movement disorders.

Role: Co-Investigator (2.5% effort)

5P30HD015052-34  Mirnics (PI)  07/01/09– 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. Dr. Stanwood serves as the Associate Director of the Mouse Behavioral Phenotyping service.

Role: Co-Investigator (10% effort)

Pending Research Support

R21 DA035588-01A1  Stanwood (co-PI)  01/01/14 – 12/31/15
NIH / NIDA
GLP-1 Receptors and Psychostimulant Addiction

This NIDA Cutting-Edge Basic Research Award (CEBRA) application proposes to examine novel roles for brain incretin GLP-1 receptors in the regulation of drug reward.

Role: Co-Principal Investigator (other co-PI is Aurelio Galli, Vanderbilt University)

R03 MH103682-01  Stanwood (PI)  04/01/14 – 03/31/16
NIH / NIMH
Serotonin Modulation of Forebrain Development: Role of 5-HT6 Receptors

This application proposes to explore novel roles for 5-HT6 receptors in regulating neuronal differentiation and connectivity.

Role: Principal Investigator

Completed Research Support

P50 MH078028  Blakely (PI)  09/15/07 – 06/30/12
NIH / NIMH
Genes Controlling Assembly and Function of Serotonin Systems

The Silvio O. Conte Center for Neuroscience Research at Vanderbilt University investigates gene networks that support development, signaling and plasticity of mouse brain serotonergic neurons. Dr. Stanwood was the Director of the Conte Biobehavioral Core Facility during the previous funding period. In this role, he assisted Conte Center investigators in the design and implementation of neurobehavioral methods and supervisors a research assistant devoted to behavioral studies within Center projects.

Role: Co-Investigator

R01 MH066128  Perkel (PI)  07/01/08 – 05/31/12
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 developing songbird. Dr. Stanwood’s contribution involved the localization of specific dopamine receptors and dopamine-dependent signaling pathways to identify neuronal subtypes within this crucial circuit of language acquisition.

Role: PI (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.

**Young Investigator Award**  Stanwood (PI)  01/01/10 – 12/31/11
NARSAD
Prodromal Molecular Foundations of Mood Disorders
The goals of this 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 contribute to the pathophysiology of neurobehavioral disorders.

Role: Principal Investigator