Darragh Patrick Devine, Ph.D.
Professor
Graduate Coordinator
Director, Behavioral and Cognitive Neuroscience Program
University of Florida
Department of Psychology
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Gainesville, FL, 32611-2250

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March 2018

Languages English and French
Citizenships Ireland and Canada (permanent resident USA)

Current Position

Professor
Graduate Coordinator
Director, Behavioral and Cognitive Neuroscience Program
University of Florida
Departments of Psychology and Neuroscience

Education

Post-Doctoral Research Fellowship
University of Michigan, School of Medicine, Department of Psychiatry
Molecular and Behavioral Neuroscience Institute
(formerly Mental Health Research Institute)
Ann Arbor, Michigan,
supervisors: Huda Akil, Ph.D. & Stanley J. Watson, M.D., Ph.D.
1993 – 1998

Doctor of Philosophy (Ph.D.), Psychology
Concordia University
Center for Studies in Behavioral Neurobiology
Montréal, Québec, Canada
dissertation advisor: Roy A. Wise, Ph.D.
graduated 1993

Master of Arts (M.A.), Psychology
Carleton University
Department of Psychology
Ottawa, Ontario, Canada
thesis advisor: Nicholas P. Spanos, Ph.D.
graduated 1988

Bachelor of Science (B.Sc.), Psychobiology
Concordia University
Department of Psychology
Montréal, Québec, Canada
graduated 1982

Diplôme d'études collégiales (D.E.C.), Social Sciences
Dawson College C.E.G.E.P.
Montréal, Québec, Canada
graduated 1975

Honors and Awards

Distinguished Mentor, Howard Hughes Medical Institute (HHMI) Science for Life, 2012
Teacher of the Year - UF College of Liberal Arts and Sciences, 2012
Colonel Allen R. and Margaret G. Crow Term Professor, 2010-2011
Reviewer of the Year - Behavioural Processes, 2008
Feature story, UF CLAS Annual Report, 2006-2007
"Anderson Scholars" faculty honoree, 2001, 2004, 2005, 2008, 2014, 2015
Teacher of the Year - UF College of Liberal Arts and Sciences, 2003
Feature story, Society for Neuroscience Annual Press Book, 2002
Spokesperson, Concordia University Campaign to promote Graduate Studies, 1995 and 1996
Governor General of Canada's Gold Medal, 1994
James McKeen Cattell Award, NY Academy of Sciences, finalist 1995
Prix d'Excellence de l'Académie des Grands Montréalais, finalist 1994

Governor General of Canada's Gold Medal

Research Experience

Professor (2013 – present)
Associate Professor (2005 – 2013)
Assistant Professor (1998 – 2005)
University of Florida
Behavioral and Cognitive Neuroscience Program
Depts. of Psychology and Neuroscience
Gainesville, Florida

Post-Doctoral Research Associate (1993 – 1998)
University of Michigan, School of Medicine,
Dept. of Psychiatry
Mental Health Research Institute
Ann Arbor, Michigan,
mentors: Huda Akil, Ph.D. & Stanley J. Watson, M.D., Ph.D.

Research Assistant (1988 – 1993)
Concordia University
Center for Studies in Behavioral Neurobiology
Dept. of Psychology
Montréal, Québec, Canada
mentor: Roy A. Wise, Ph.D.

Research Assistant (1986 – 1988)
Carleton University
Dept. of Psychology
Ottawa, Ontario, Canada
mentor: Nicholas P. Spanos, Ph.D.

Clinical Experience

Behaviour Consultant and Associate Coordinator (1986 – 1988)
Ottawa-Carleton Behaviour Management & Children's Aid Society of Ottawa-Carleton
1370 Bank St.
Ottawa, Ontario, Canada K1H 7Y3

Pavilion Head (Clinical Manager) (1980 – 1986)
Les Promotions Sociales Taylor-Thibodeau
Garry Taylor Center
231 Elm Ave.
Beaconsfield, Québec, Canada H9W 2E2

Educator (1976 – 1980)
Child Care and Child Development Centers Inc.
Garry Taylor Center
231 Elm Ave.
Beaconsfield, Québec, Canada H9W 2E2

In these three clinical positions, I used a model of applied behaviour analysis to treat maladaptive behaviour disorders and skill deficits in autistic, intellectually-handicapped and brain-injured individuals. In all three positions, I specialized in assessment and treatment of severe self-injurious behavior, a debilitating characteristic that is highly prevalent in autism and other neurodevelopmental disorders. I supervised a team of Behaviour Consultants and a few teams of Educators and Child Care Specialists. I also provided training courses for parents, teachers, staff, and other professionals who worked with the affected individuals. In addition, I lectured at a variety of Colleges in the Montréal and Ottawa areas, speaking to diverse populations (e.g. Early Childhood Education Association of Ottawa-Vanier, Canadian Association for Head Injury) about the management of behaviour disorders in developmentally-disabled and brain-injured individuals.

My clinical interests in neurodevelopmental disorders and self-injury contributed significantly to my research interests in Neuroscience. Hence, my laboratory is committed to a comprehensive research program that investigates the neurobiological basis of vulnerability for self-injury using animal models.

Teaching Experience

Professor (2013 – present)
Associate Professor (2005 – 2013)
Assistant Professor (1998 – 2005)
University of Florida, Department of Psychology
Behavioral Neuroscience Program
Gainesville, Florida

undergraduate courses:
PSB 3002/3004, Physiological Psychology
PSB 3912, Introduction to Research in Physiological Psychology
PSB 3054/3340, Behavioral Neuroscience
PSB 4810, Neurobiology of Learning and Memory
PSB 4934, Behavioral Neuroendocrinology
PSB 4934, Neurobiology of Developmental Disorders
PSB 4934, Behavioral and Cognitive Neuroscience I
PSB 4934, Behavioral and Cognitive Neuroscience II
PSB 4905, Individual Research
PSY 4970, Senior Thesis Research
IDS 4906, Interdisciplinary Senior Thesis Research in Neurosciences

graduate courses:
PSB 5935, Foundations of Molecular Neurobiology
PSB 6087, Behavioral and Cognitive Neuroscience I
PSB 6088, Behavioral and Cognitive Neuroscience II
PSB 6099, Graduate Proseminar in Physiological and Comparative Psychology
PSB 6930, Molecular Neurobiology
PSB 7248, Neurobiology of Stress and Stress-Related Psychopathology
PSB 7249, Mechanisms of Neuroplasticity

Course Instructor, 1995 – 1998
University of Michigan, School of Medicine, Department of Psychiatry
Ann Arbor, MI, 48109-0720
undergraduate courses:
UC 280, Undergraduate Research Opportunities

Teaching Assistant, 1988 – 1989
Concordia University
Center for Studies in Behavioral Neurobiology and Department of Psychology
Montréal, Québec, Canada H3G 1M8
undergraduate courses:
PSYC 310, Research Methods I
PSYC 311, Research Methods II
PSYC 315, Statistical Analysis I
PSYC 316, Statistical Analysis II

Graduate Students and Post-Docs Supervised (as chair of thesis committee)

name	dates	program	UF degree earned	UF degree pending	current placement
Martin Repetto, M.D., Ph.D.	1999-2000	Post-doctoral fellow	post doc		Psychiatrist, University of Illinois, Champaign IL
Jaime Tartar (Simpkiss), Ph.D.*	2000-2004	Psych – Beh Neurosci	Ph.D.		Associate Professor Nova Southeastern U
Staci Kies, B.A., M.S.	2000-2003	Psych – Beh Neurosci	M.S.		Private Practice, Atlanta GA
Michael A. Misilmeri, M.S.	1999-2003	Psych – Beh Neurosci	M.S.		Pharma Rep, CA
Kristen Stone, M.S.	2004-2007	Psych – Beh Neurosci	M.S.		Advanced Learning Cente Altamonte Springs, FL
Megan K. Roth (Green), Ph.D.*	2003-2007	Psych – Beh Neurosci	M.S., Ph.D		Res Administrator, Abilene Christian Univ.
Catherine Marcinkiewcz Ph.D	2007-2010	IDP - Neuroscience	M.S., Ph.D.		Post-Doc, U. North Caroli Chapel Hill
Amber Muehlmann, Ph.D.*, **	2003-2011	Psych – Beh Neurosci	M.S., Ph.D.		Assistant Professor, U. Florida, Psychiatry
Nathan Weinstock, Ph.D.	2005-2015	Psych – Beh Neurosci	B.S., M.S. Ph.D.		U. Florida, Psychology
Ryan Keith M.S. (co-chair)	2010-2011	Psych – Beh Neurosci	M.S.		Lecturer, Psychology Santa Fe College
Sergei Zolotukhin, Ph.D.	2010-2011	K-18 Research Associate			Associate Professor U. Florida
Stacey Reynolds, Ph.D.	2010-2013	K-12 Research Associate			Associate Professor Virginia Commonwealth U
William Lin, B.S., M.S.	2010-2013	Psych – Beh Neurosci	M.S.		NYU, Law School
Xiaomeng Yuan, Ph.D.	2010-2016	Psych – Beh Neurosci	M.S., Ph.D.		U. Florida, Psychology
Mary Saczawa, Ph.D. (co-chair	2012-present	Psych – DEV/BCN	M.S., Ph.D.		U. Florida, Psychology

* indicates winners of the Robert A. and Phyllis Levitt Award
** indicates winner of the Schumacher Award

Undergraduate Students Supervised (as chair of thesis committee)

name	dates	program	UF degree earned	graduate placement
Jennifer Felger, B.S.	2000-2001	Psychology	B.S.	Emory U. Biol/Biomed Sci
Fabian Fernandez, B.S. *,**	2001-2002	IDS Behav Neurosci	B.S.	Stanford U. Neurosciences
Martina C. Bauer, B.S. *	2002-2004	IDS Behav Neurosci	B.S., M.D.	U. Florida Sch of Medicine
Carrie A. Hersh *	2002-2005	IDS Behav Neurosci	B.S.	Nova Southeastern U.
Kir-Wei Chen	2004-2006	Psychology	B.S.	Boston U Sch of Medicine
Allessa Duren	2004-2006	IDS Behav Neurosci	B.S.	FSU School of Medicine
Andrea Naccarato *, **	2004-2007	IDS Behav Neurosci	B.S.	Mote Marine laboratory
Emily Barbieri *	2004-2007	IDS Behav Neurosci	B.S.	Washington State Univ
Jenny Wilkinson *, **	2004-2007	IDS Behav Neurosci	B.S., M.D.	U. Florida Sch of Medicine
Christopher McDonald	2007-2008	Psychology	B.S.	FSU School of Medicine
Peter Duarte	2004-2008	IDS Behav Neurosci	B.S.	Universal Health Services
Evan Loewy ***	2007-2009	IDS Behav Neurosci	B.S.	U Miami Sch of Medicine
Shannon Wolfman ***	2006-2010	IDS Behav Neurosci	B.S.	U. of Chicago
Kanita Beba ***	2007-2010	IDS Behav Neurosci	B.S.	U. Florida Sch of Medicine
Gabriella Fernandez	2009 - 2010	Psychology	B.S.	U. Florida Sch of Medicine
Karly Lorbeer*	2009 - 2013	Psychology	B.S.	George Washington University
Muna Oli	2010 - 2014	Psychology	B.S.	University of Florida
Diana Nwokoye	2013 - 2014	IDS Behav Neurosci	B.S.	U South Florida Sch of Medicine
Sarah Stanley	2016-present	IDS Behav Neurosci		
AnneMarie Pelle	2016-present	Psychology		
Sarah Pickernell	2016-present	Psychology		

* indicates members of University Scholars program
** indicates Anderson Scholars
*** indicates “Science for Life” Scholar

Graduate Students Supervised (as member of thesis committee)

name	dates	program	UF degree earned	UF degree pending	current placement
Laurie Geran, Ph.D.	1998-2003	Psych – Beh Neurosci	Ph.D.		Post-doctoral fellow Ohio State University
Cortney Turner, Ph.D.	1999-2003	Neuroscience	Ph.D.		Post-doctoral fellow University of Michigan
Michelle Miller, M.S.	2000-2002	Psych – Beh Analysis	M.S.		
Steven Rowell, M.S.	2004-2005	Psychology	M.S.		
Cheryl Vaughan, Ph.D.	2000-2006	Psych – Beh Neurosci	M.S., Ph.D.		Post-doctoral fellow Georgia State University
Chris King, Ph.D.	2000-2006	Neuroscience	Ph.D.	Post-doc	Research Assistant Professor University of Florida
Irene Glenn, M.S.	2003-2006	Psych – Beh Analysis	M.S.		
David Dietz, Ph.D.	2002-2007	Neuroscience (FSU)	M.S. Ph.D.		Ass Prof SUNY, Buffalo
Anaya Mitra, Ph.D.	2006-2008	Psych – Beh Neurosci	M.S., Ph.D.		Post-doctoral fellow University of Minnesota
Linda Wen-Hua Lee, Ph.D.	2003-2009	Neuroscience	M.S., Ph.D.		Post-doctoral fellow U. Florida
Yoko Tanimura, Ph.D.	2004-2010	Psych – Beh Neurosci	M.S., Ph.D.		Post-doctoral fellow U. Rochester Med Center
Jolene Sy	2008 - 2011	Psych – Beh. Analysis	M.S., Ph.D.		St. Louis University
Michael La Sala	2010-2012	Neuroscience		Ph.D.	U. Florida
Tana Bleser	2010-2013	Psych – Beh Neurosci	M.S., Ph.D.		Shands, Magnolia Park
Allison Bechard	2011-2016	Psych – Beh Neurosci	Ph.D.		U. Florida
Michelle Traub	2012-2016	Psych – Beh. Analysis	M.S., Ph.D.		
Hayley Kamin	2012-present	Psych – Development	M.S.	Ph.D.	U. Florida
Bethany Stennett	2013-present	Psych – Beh Neurosci	M.S.	Ph.D.	U. Florida
Natalie Hadad	2013-2016	Psych – Development	M.S., Ph.D.		Santa Fe College
Bradley Wilkes	2013-present	Psych – Beh Neurosci	M.S.	Ph.D.	U. Florida
Christina Gobin	2014	Psych – Beh Neurosci	M.S.	Ph.D.	U. Florida
Peter Dib	2015 - present	COM		M.S.	U. Florida
Samarth Bhatt	2015 - present	Psych – Beh Neurosci		M.S., Ph.D.	U. Florida
John Shallcross	2015 - present	Psych – Beh Neurosci		Ph.D.	U. Florida
Mia Kelly	2015 - present	COM		M.S.	U. Florida

Undergraduate Students Supervised (as secondary mentor/member of thesis committee)

name	dates	program	UF degree earned
Sean Kearns, B.S.	1999-2000	IDS Behav Neurosci	B.S.
Sharon Karackattu, B.S.	1999-2000	IDS Behav Neurosci	B.S.
Jolie Haun, B.S.	1999-2000	Psychology	B.S.
Leslie Guttman, B.S.	2000-2002	IDS Behav Neurosci	B.S.
Jesse Cushman, B.S.	2000-2002	IDS Behav Neurosci	B.S.
Alexander Bayevsky, B.S.	2003-2004	IDS Behav Neurosci	B.S.
Sarah Williams, B.S.	2003-2005	IDS Behav Neurosci	B.S.
Courtney Whitehurst, B.S.	2004-2005	IDS Behav Neurosci	B.S.
Jessica Saul, B.S.	2004-2005	Psychology	B.S.
Althea Bardin, B.S.	2005-2006	Psychology	B.S.
Randy Colvin	2004-2007	IDS Behav Neurosci	B.S.
Tana Bleser	2006-2007	Psychology	B.S.
Rebecca Wright	2006-2007	IDS Behav Neurosci	B.S.
Ellen Espenschied	2006-2008	IDS Behav Neurosci	B.S.
Parin Chheda	2006-2007	IDS Behav Neurosci	B.S.
Samantha Baer	2007-2008	IDS Behav Neurosci	B.S.
Sara El-Sherbini	2007-2009	Psychology	B.S.
Nicholas Maling	2008-2009	IDS Behav Neurosci	B.S.
Emily Korszen	2010-2010	IDS Behav Neurosci	B.S.
Jessica McElroy	2009-2010	IDS Behav Neurosci	B.S.
Christopher Herring	2009-2010	Psychology	B.S.
Elon Richman	2009-2011	IDS Behav Neurosci	B.S.
Gabrielle Hall	2010-2012	Psychology	B.S.
Daniela Arbelaez	2011-2012	Psychology	B.S.

Nafis Noman	2012-2014	IDS Biochemistry	B.S.
Maria Ospina	2013-2014	Psychology	B.S.
Savannah Posgai	2013-2015	Psychology	B.S.
Michael Lattanzi	2014-2015	IDS Behav Neurosci	B.S.

Current/Pending Research Funding

Research Opportunity Fund
A Neurodevelopmental Theory of Social and Environmental Isolation in Autism
#DRDP-ROF2016
Role: Principal Investigator (funded August 2016-August 2018)

NIH - National Institute on Child Health and Human Development (N.I.C.H.D.)
Rehabilitation Research Career Development Program
An Investigation into the Neurobiological Basis of Sensory Processing Disorder
#K12 HD055929
role: Lead Mentor (funded February 2013 - January 2018)

NIH - National Institute on Child Health and Human Development (N.I.C.H.D.)
Social and Environmental Isolation in Autism: Neurodevelopmental and Behavioral Effects
#1 R21-HD090347-01
Role: Principal Investigator (under review)

National Science Foundation
The stress-generating and stress-enhancing effects of perfectionism on academic outcomes
Role: Principal Investigator, sub-contract (under review)

Institute of Education Sciences
Moderating stress reactivity and trajectories of STEM students: Implications for academic performance
Role: Principal Investigator, sub-contract (under review)

Past Funding

NIH - National Institute on Child Health and Human Development (N.I.C.H.D.)
Rehabilitation Research Career Development Program
An Investigation into the Neurobiological Basis of Sensory Processing Disorder
#K12 HD055929
role: Lead Mentor
February 2010 – January 2013

Howard Hughes Medical Institute
Distinguished Mentor Award
role: Principal Investigator
2012 - 2014

Michael L. and Judith D. Woodruff Research Grant
Self-injurious behavior: a biomarker at the interface of stress and dopamine function
role: Principal Investigator
September 2011 – December 2012

Congressionally Directed Medical Research Programs - Department of Defense
Autism Research Program Concept Award
Self-Injurious Behavior: An Animal Model of an Autism Endophenotype
#AR093546
role: Principal Investigator
May 15 2010 – January 14 2012

NIH – National Institute on Mental Health (N.I.M.H.)
A Novel Class of Orally-Applied Inhibitors of Aggressive Behaviour
#K18 OD008065-01
role: co-Principal Investigator
September 2010 – September 2011

NIH - National Institute on Drug Abuse (N.I.D.A.)
A Home-Based Behavioral Treatment for Cigarette Smoking
#R01 DA019580
role: co-Investigator (Jesse Dallery is PI)
April 2007 – March 2011

NIH - National Institute on Mental Health (N.I.M.H.)
Vulnerability for Self-Injurious Behavior: Neurobiological Mechanisms
#F31 MH079675
role: Principal Investigator
May 2008 – April 2010

NIH - National Institute of Neurological Disease and Stroke (N.I.N.D.S.)
Integrative and Translational Training in Pain Research
#T-32 training grant
role: Mentor

NIH - National Institute on Aging (N.I.A.)
Neurobiological Mechanisms of Cognitive Impairment in Aging
#T-32 training grant
role: Mentor
August 2008 – August 2010

UF – CLAS Preliminary Study Grant (P.S.G.)
Self-Injurious Behavior: Biochemical Basis for Individual Differences in Vulnerability
role: Principal Investigator
May 2009 – May 2010

National Science Foundation (N.S.F.)
Stress-Modulating Actions of Orphanin FQ (N/OFQ)
grant #0515136
role: Principal Investigator
August 2005 – August 2009

Cure Autism Now Foundation (C.A.N.)
Self-Injurious Behavior: Pharmacological Studies in a Rat Model
role: Principal Investigator
February 2006 – October 2008

National Alliance for Autism Research (N.A.A.R.)
Self-Injurious Behavior: Pharmacotherapy in a Rat Model
role: Principal Investigator
August 2005 – August 2007

Evelyn F. McKnight Brain Research Foundation
Chronic Stress-Induced Neuroadaptations Cause Age-Associated Memory Impairment
role: Principal Investigator
December 2002 – August 2006

National Institutes of Health (N.I.C.H.D.)
grant #1R03 HD38239-01
Self-Injurious Behavior: Identification of Molecular Markers
role: Principal Investigator
April 2001 – October 2003

National Institutes of Health (N.I.D.A.)
grant #R01 DA08920-06A1
The Orphanin System: Role in Stress and Addiction
role: co-Investigator (Huda Akil was P.I.)
December 1999 – November 2005

National Institutes of Health (N.I.M.H.) R21
grant #1 R21 MH65678-01
Repetitive and Stereotyped Behavior Disorders in Autism
Development of the Florida Autism Center of Excellence
role: co-Investigator and Director of the Behavioral Neuroscience Core
October 2001 – September 2003

Research Opportunities Fund Award
Self-Injurious Behavior: Identification of Environmental Determinants
role: Principal Investigator
April 2001 – March 2002

CLAS Research Award (UF)
Stress-Modulating Actions of Orphanin FQ
role: Principal Investigator
February 2001 – January 2002

CLAS Research Award (UF)
Self-Injurious Behavior: Molecular Markers for Initiation & Recovery
role: Principal Investigator
January 1999 – December 1999

Fellowships

Fonds de la Recherche en Santé du Québec (F.R.S.Q.)
Dopaminergic Regulation of Opioid Receptor Gene Expression
Post-doctoral Fellowship
1993-1996

Medical Research Council of Canada (M.R.C.)
Behaviourally-Reinforcing Actions of Opioids in the Ventral Tegmentum
Post-graduate Fellowship
1991-1992

Natural Sciences and Engineering Research Council of Canada (N.S.E.R.C.)
Opioid Receptor Regulation of Mesolimbic Dopamine Neurotransmission
Post-graduate Fellowship
1989-1991

Fonds pour la Formation de Chercheurs et l'Aide à la Recherche (F.C.A.R.)
D_1 and D_2 Dopamine Receptor Functions in the Substantia Nigra
Post-graduate Fellowship
1989-1990

Publications:

Thesis and Dissertation:

Devine, D. P. (1993). The involvement of ventral tegmental opioid receptors in mediation of opiate-reward and in modulation of mesolimbic dopamine: Behavioural and neurochemical analyses, ***Doctoral Dissertation,*** Concordia University, Montréal, Canada.

Devine, D. P. (1988). An empirical evaluation of the latent structure of cognitive analgesia strategies**, *Master's thesis,*** Carleton University, Ottawa, Canada.

Papers Submitted or in Preparation:

Muehlmann, A.M. and Devine, D.P. (submitted). The role of neurotensin in self-injurious behavior, *Journal of Intellectual Disability Research.*

Devine, D.P. (in preparation). Self-injurious behaviour in psychiatric disorders: Studies using animal models, *Psychological Medicine*.

Muehlmann, A.M., Wilkinson, J., Wolfman, S., and Devine, D.P. (in preparation). Pain responsiveness in the pemoline model of self-injurious behavior, *Behavioral Pharmacology.*

Published Papers and Chapters:

1. Devine, D.P. (in press). Animal models of self-injurious behaviour: an overview and update, *Psychiatric Disorders, Methods in Molecular Biology*
2. Devine, D.P. (in press). New insights into the pemoline model of self-injurious behaviour, *Psychiatric Disorders*
3. Yuan, X. and Devine, D.P. (2016). The role of anxiety in vulnerability for self-injurious behavior: studies in a rodent model, *Behavioural Brain Research* **311:** 201-209. *PMID:27217100*
4. Marcinkiewcz, C.A. and Devine, D.P. (2015). Modulation of OCT3 gene expression by stress, and antidepressant-like activity of decynium-22 in Wistar-Kyoto Rats, *Pharmacology Biochemistry and Behavior* **131:** 33-41. *PMID:25597272*
5. Devine, D.P. (2014). Self-injurious behavior in autistic children: a neurodevelopmental theory of social and environmental isolation, *Psychopharmacology*, **231:** 979-997. *PMID:24057764*

** *This paper is an invited contribution in a special issue on Autism Spectrum Disorders*

6. Richardson, C.M.E., Rice, K.G., and Devine, D.P. (2014). Perfectionism, emotion regulation, and the physiological stress response, *Journal of Counseling Psychology* **61:** 110-118. *PMID:240040777*
7. Reynolds, S., Urruela. M., and Devine, D.P. (2013). Effects of Environmental Enrichment on Repetitive Behaviors in the BTBR T+tf/J Mouse Model of Autism, *Autism Research*, **6:** 337-343. *PMID:23813950*
8. Devine, D.P. and Symons, F.J. (2013). Biological vulnerability and risk for self-injury in Intellectual and Developmental Disorders, *International Review of Research in Developmental Disabilities*, **44:** 37-67.

** *This paper is an invited contribution in a special issue on "Challenging Behavior".*

9. Reynolds, S., Millette, A., and Devine, D.P. (2012). Sensory and motor characterization in the post-natal valproate rat model of autism, *Developmental Neuroscience*, **34:** 258-267. PMID:22627078
10. Symons, F.J., Devine, D.P., and Oliver, C. (2012). Self-injurious behaviour in people with intellectual disability, *Journal of Intellectual Disabilities Research,* **56:** 421-426. PMID:22487005
11. Muehlmann, A.M., Kies, S.D., Turner, C.A., Wolfman, S., Lewis, M.H., and Devine, D.P. (2012). Self-injurious behavior: Limbic disregulation and stress effects in an animal model, *Journal of Intellectual Disabilities Research.* **56:** 490- 500. PMID:21988194

12. Devine, D.P. (2012). Animal models of self-injurious behaviour: an overview, *Psychiatric Disorders, Methods in Molecular Biology,* **829:** 68-85. PMID: 2223812
13. Devine, D.P. (2012). The pemoline model of self-injurious behaviour, *Psychiatric Disorders, Methods in Molecular Biology*, **829:** 153-170. PMID: 22231807
14. Muehlmann, A.M., Wilkinson, J.A., and Devine, D.P. (2011). Individual differences in vulnerability for self-injurious behavior: Studies using an animal model, *Behavioural Brain Research.* **217:** 148-154. PMID: 20974187
15. Wolfman, S. and Devine, D. P. (2011). The Effects of Chronic Social Stress on a Rodent Model of Self-Injurious Behavior, *J. Undergrad .Res.*, **12 (3):** 1-4.
16. McDonald, C. J., Murphy, T. K., and Devine, D. P. (2011). Relationship between cortisol concentration and tic severity in children with Tourette's syndrome, *J. Undergrad. Res.*, **12 (3):** 1-4.
17. Green, M. K. and Devine, D. P. (2009). Nociceptin/Orphanin FQ and NOP receptor gene regulation after single or repeated social defeat exposure, *Neuropeptides*, **43:** 507-514. PMID: 19720395
18. Green, M. K., Devine, D. P., Vierck, C., and Yezierski, R. P. (2009). Effects of duloxetine (Cymbalta) on escape and lick/guard behaviors in rats, *The Journal of Pain*, **10 (S4):** S24.
19. Marcinkiewcz, C.A., Green, M.K., Devine, D. P., Duarte, P., Vierck, C. J., and Yezierski, R. P. (2009). Social defeat stress potentiates thermal sensitivity in operant models of pain processing, *Brain Research*, **1251:** 112-120. PMID: 19059227

** This paper was recommended by Faculty of 1000 Medicine, March 4 2009.

20. Devine, D. P. and Muehlmann, A. M. (2009). Tiermodelle für selbstverletzendes Verhalten (Animal models of self-injurious behaviour), In: *Selbstverletzendes Verhalten bei stressassoziierten Erkrankungen* (*Self-Injurious Behaviour in Stress-Associated Disorders*), C. Schmahl and C. Stiglmayr (Eds.), pp 39-60, Verlag W. Kohlhammer, Stuttgart.
21. Muehlmann, A.M. and Devine, D.P. (2008). Glutamate-mediated neuroplasticity in an animal model of self-injurious behaviour, *Behavioural Brain Research*, **189:** 32-40. PMID: 18243356
22. Muehlmann, A.M., Brown, B.D. and Devine, D.P. (2008). Pemoline-induced self-injurious behavior: a rodent model of pharmacotherapeutic efficacy, *Journal of Pharmacology and Experimental Therapeutics*. **324:** 214-223. PMID: 17925479
23. Green, M.K., Barbieri, E.V., Brown, B.D., Chen, K.-W., and Devine, D. P. (2007). Roles of the bed nucleus of stria terminalis and of the amygdala in N/OFQ-mediated anxiety and HPA axis activation, *Neuropeptides*, **41:**.399-410. PMID: 17980908
24. King, C.D., Devine, D. P., Vierck, C. J., Mauderli, A., and Yezierski, R. P. (2007). Opioid modulation of reflex versus operant responses following stress in the rat, *Neuroscience*, **147:** 174-182. PMID: 17521823
25. Blake, B. L., Muehlmann, A. M., Egami, K., Breese, G. R., Devine, D. P., and Jinnah, H. A. (2007). Nifedipine suppresses self-injurious behaviors in animals, *Developmental Neuroscience*, **29:** 241-250. PMID: 17047321
26. Barbieri, E. V. and Devine, D. P. (2007). N/OFQ-mediated anxiety: Role of the bed nucleus of stria terminalis, *J. Undergrad. Res.,* **8 (5).**
27. Naccarato, A. M. and Devine, D. P. (2007). Rats exhibit behavioral despair after repeated social defeat stress, *J. Undergrad. Res.,* **8 (5).**
28. Wilkinson, J.A. and Devine, D. P. (2007). Self-injurious behavior: Investigating individual differences in vulnerability and sensory thresholds in an animal model, *J. Undergrad. Res.,* **8 (5).**
29. Devine, D. P. (2007). Foreword: Effects of stress on behaviour and biology. *J. Undergrad. Res.,* **8 (5)**.

30. Tartar, J. L., King, M. A., and Devine, D. P. (2006). Glutamate-mediated neuroplasticity in a limbic input to the hypothalamus, *Stress*, **9:** 13-19. PMID: 16753929

31. King, C. D., Devine, D. P., Vierck, C., and Yezierski, R. P. (2005). Effects of acute stress on two different behavioral measures of thermal nociception, *The Journal of Pain*, **6 (S3):** S17.

32. Hersh, C. M. and Devine, D. P. (2005). The effects of environmental challenges on nociceptin/orphanin FQ-induced anxiety, *J. Undergrad. Res.,* **6 (7)**.

33. Kies, S. D. and Devine, D. P. (2004). Self-injurious behaviour: a comparison of caffeine and pemoline models in rats, *Pharmacology Biochemistry & Behavior*, **79:** 587-598. PMID: 15582667

34. Fernandez, F., Misilmeri, M. A., Felger, J. C., and Devine, D. P. (2004). Nociceptin/Orphanin FQ increases anxiety-related behaviour and circulating levels of corticosterone during neophobic tests of anxiety, *Neuropsychopharmacology*, **29:** 59-71. PMID: 14532912

35. Bauer M. C. and Devine, D. P. (2004). The effects of J113397, an orphanin/nociceptin FQ receptor antagonist, on the limbic-hypothalamic-pituitary-adrenal axis, *J. Undergrad. Res.,* **6 (2)**.

36. King, C. D., Devine, D. P., Rodgers, J., Vierck, C. J., and Yezierski, R. P. (2003). Differential effects of stress on escape and reflexive responses to noxious thermal stimuli in the rat, *Brain Research*, **987:** 214-222. PMID: 14499966

37. Kabbaj, M., Yoshida, S., Numachi, Y., Matsuoka, H., Sato, M., Devine, D. P., and Ueda, T. (2003). Methamphetamine differentially regulates hippocampal glucocorticoid and mineralocorticoid receptor mRNAs in Fisher and Lewis rats, *Molecular Brain Research*. **117:** 8-14. PMID: 14499476

38. Simpkiss, J. L. and Devine, D. P. (2003). Responses of the HPA axis after chronic variable stress: effects of novel and familiar stressors, *Neuroendocrinology Letters*. **24:** 75-81. PMID: 12743542

39. Devine, D. P., Hoversten, M. T., Ueda, Y., and Akil, H. (2003). Nociceptin/orphanin FQ content is decreased in forebrain neurones during acute stress, *Journal of Neuroendocrinology*, **15:** 69-74. PMID: 12535171

40. Fernandez, F. and Devine, D. P. (2002). N/OFQ exerts anxiogenic actions in an open field, *J. Undergrad. Res.,* **3 (10)**

41. Devine, D. P., Watson, S. J., Jr. and Akil, H. (2001). Nociceptin/orphanin FQ regulates neuroendocrine function of the limbic-hypothalamic-pituitary-adrenal axis, *Neuroscience*. **102:** 541-553. PMID: 11226692

42. Kabbaj, M., Devine, D. P., Savage, V., and Akil, H. (2000). Neurobiological correlates of individual differences in novelty-seeking behavior in the rat: differential expression of stress-related molecules, *Journal of Neuroscience*. **20:** 6983-6988. PMID: 10995843

43. Akil, H., Meng, F., Devine, D. P. and Watson, S. J. (1997). Molecular and neuroanatomical properties of the endogenous opioid system: implications for treatment of opiate addiction, In**:** Seminars in Neuroscience - Strategies for the Treatment of Opiate Abuse, L. L. Iversen and B. H. Herman (Eds.), vol. 9, pp. 70-83 Academic Press, New York.

44. Devine, D. P., Taylor, L., Reinscheid, R. K., Monsma, F. J., Jr., Civelli, O. and Akil, H. (1996). Rats rapidly develop tolerance to the locomotor-inhibiting effects of the novel neuropeptide orphanin FQ, *Neurochemical Research.* **21:** 1387-1396. PMID: 8947929

45. Devine, D. P., Reinscheid, R. K., Monsma, F. J., Jr., Civelli, O. and Akil, H. (1996). The novel neuropeptide orphanin FQ fails to produce conditioned place preference or aversion, *Brain Research.* **727:** 225-229. PMID: 8842403

46. Carlezon, W. A. Jr., Devine, D. P. and Wise, R. A. (1995). Habit-forming actions of nomifensine in nucleus accumbens, *Psychopharmacology.* **122:** 194-197. PMID: 8848536

47. Devine, D. P. and Wise, R. A. (1994). Self-administration of morphine, DAMGO, and DPDPE into the ventral tegmental area of rats, *Journal of Neuroscience*. **14:** 1978-1984. PMID: 8158252

48. Devine, D. P., Leone, P. and Wise, R. A. (1993). Mesolimbic dopamine neurotransmission is increased by administration of μ-opioid receptor antagonists, *European Journal of Pharmacology*. **243:** 55-64. PMID: 7902813

49. Devine, D. P., Leone, P., Pocock, D. and Wise, R. A. (1993). Differential involvement of ventral tegmental area *mu*, *delta* and *kappa* opioid receptors in modulation of basal mesolimbic dopamine release: *In vivo* microdialysis studies, *Journal of Pharmacology & Experimental Therapeutics.* **266:** 1236-1246. PMID: 7690399

50. Devine, D. P., Leone, P. and Wise, R. A. (1993). Striatal tissue preparation facilitates early sampling in microdialysis and reveals an index of neuronal damage, *Journal of Neurochemistry.* **61:** 1246-1254. PMID: 7690846

** A commentary on this paper was published in *Current Separations*, (1994). 12: 200.)

51. Devine, D. P., Leone, P. and Wise, R. A. (1993). Surgical preparation of striatal tissue facilitates early sampling in microdialysis and reveals an index of neuronal damage, *Current Separations.* **12:** 68.

52. Devine, D. P., Leone, P., Carlezon, W. A. Jr. and Wise, R. A. (1993). Ventral mesencephalic δ opioid receptors are involved in modulation of basal mesolimbic dopamine neurotransmission: An anatomical localization study, *Brain Research.* **622:** 348-352. PMID: 8242379

53. Devine, D. P. and Spanos, N. P. (1990). Effectiveness of maximally different cognitive strategies and expectancy in attenuation of reported pain, *Journal of Personality & Social Psychology.* **58:** 672-678. PMID: 2348363

54. Devine, D. P. and Spanos, N. P. (1988). Distraction, imagery, and expectancy factors in cognitive analgesia, *Canadian Psychology.* **29:** 187.

Abstracts / Conference Proceedings:

1. Devine, D.P. (2016). Environmental impoverishment: A rodent model of pathological behavior in autism, *Gatlinburg Conference on Research & Theory in Intellectual & Developmental Disabilities*, **49:** 22.

2. Devine, D.P., Lorbeer, K., Weinstock, N.J., Zolotukhin, S. (2013) Oral administration of peptide YY (PYY_{3-36}) decreases aggressive behaviour in a rodent model of social defeat. *Society for Neuroscience Abstracts,* **39:** 351.05.

3. Yuan, X. and Devine, D.P. (2013) The effects of FG7142 on pemoline-induced self-injury: potential role of anxiety. *Society for Neuroscience Abstracts,* **39:** 719.05.. *Society for Neuroscience Abstracts,* **39:** 719.05.

4. Reynolds, S.E., Cameron, S., Mackiewicz, C., Millette, A., Urruela, M. and Devine, D. P. (2012). Effects of environmental enrichment on autism-related behaviors in the BTBR T+Tf/J mouse. *International Meeting for Autism Research*, **11:** 105.012.

5. Reynolds, S.E., Millette, A., and Devine, D. P. (2012). Sensory and motor behaviors in rats treated postnatally with sodium valproate. *International Meeting for Autism Research*, **11:** 105.013.

6. Devine, D.P., Millette, A., and Reynolds, S. (2011) Sensory and motor characterization in the post-natal valproate model of autism. *Society for Neuroscience Abstracts,* **37:** 57.18.

7. Weinstock, N.J. and Devine, D.P. (2011) A mouse model of pemoline-induced self-injurious behavior. *Society for Neuroscience Abstracts,* **37:** 776.11

8. Acosta, A., Voutetakis, A., Devine, D.P., Aslandi, G., Baum, B., and Zolotukhin, S. (2011). Long-term salivary PYY(3-36) treatment modulates aggressive behavior, *Obesity*. **19 (suppl 1):** 198P

9. Devine, D.P. (2011). Disregulation of dopamine and glutamate neurotransmission in animal models of self-injurious behavior, *Experimental Biology 2011,* S369.
10. Marcinkiewcz, C.A. and Devine, D.P. (2010). Stress-modulated polyspecific cation transporters in the brain: Role in individual vulnerability for psychopathology, *American College of Neuropharmacology*, **49:** 225.
11. Devine, D.P. (2010). The role of stress-responsiveness in self-injurious behaviors: Biochemical studies in an animal model, *First International Congress on Borderline Personality Disorder*, **1:** S-031.
12. Edge, C. Rice, K. G. and Devine, D.P. (2010). Perfectionism, emotion regulation, and physiological stress reactivity, *World Conference on Stress & Anxiety Research*, **31:** 63.
13. Marcinkiewcz, C.A. and Devine, D.P. (2010). Blockade of the organic cation transporter-3 (OCT3) attenuates depressive-like behavior in Wistar-Kyoto rats: Implications for treatment-resistant depression, *Society for Neuroscience Abstracts,* **36:** 885.12
14. Marcinkiewcz, C.A. and Devine, D.P. (2010). Social defeat stress differentially modulates hippocampal expression of the organic cation transporter-3 in rats exhibiting behavioral depression, *International Behavioral Neuroscience Society* **19:** 115.
15. Devine, D.P. (2010). Biochemical factors that confer individual differences in vulnerability for self-injurious behaviour, in symposium on "Behavioral and biological frontiers in the analyses of self-injurious behavior", *Gatlinburg Conference on Research & Theory in Intellectual & Developmental Disabilities*, **43:** Symposium 13.
16. Van Matre, A.M., Wolfman, S., and Devine, D.P. (2010). Neurotensin plays a modulatory role in self-injurious behavior: biochemical analyses using an animal model, *Gatlinburg Conference on Research & Theory in Intellectual & Developmental Disabilities*, **43:** 29.
17. Devine, D.P. (2009). The physiological basis of self-injurious behavior: Studies in an animal model, *Association for Behavioral and Cognitive Therapies.* **43:** 109.
18. Van Matre, A.M., Wolfman, S., and Devine, D.P. (2009). Neurotensin plays a modulatory role in pharmacologically-induced self-injurious behavior, *Society for Neuroscience Abstracts,* **35:** 734.10
19. Marcinkiewcz, C. and Devine, D.P. (2009). Stress-induced changes in neural expression of the organic cation transporter: Insights from an animal model of depression, *Society for Neuroscience Abstracts,* **35:** 866.6
20. Green, M.K., Devine, D.P., Vierck, C.J., and Yezierski, R.P. (2009). Effects of duloxetine (Cymbalta) on escape and lick/guard behaviors in rats, *American Pain Society,* **28:** 195.
21. Acosta, A., Aslanidi, G., Geguchadze, R., Wright, A., Campbell-Thompson, A., Voutetakis, A,. Baum, B.J., Devine, D.P., and Zolotukhin, S. (2009). Modulating Long-Term Feeding and Social Behavior Using Non-Invasive Gene Therapy, *American Society of Gene Therapy,* **12:** 169.
22. Van Matre, A.M., Wolfman, S., and Devine, D.P. (2009). The Role of Neurotensin in an Animal Model of Self-Injurious Behavior, *International Meeting for Autism Research*. **8:** 120.82
23. Weinstock, N.J., Marcinkiewcz, C., and Devine, D.P. (2008). Chronic variable social stress: behavioral and biochemical studies in an animal model, *Society for Neuroscience Abstracts.* **34:** 282.13.
24. Marcinkiewcz, C., Sand, S., Stoll, M.L., Reep, R.L., and Devine, D.P. (2008). Journey to the center of the brain: An inquiry-based approach to teaching neuroscience in a K-12 classroom, *Society for Neuroscience Abstracts.* **34:** 222.13.
25. Green, M.K., Devine, D.P., Vierck, C.J., and Yezierski, R.P. (2008). Effects of duloxetine (Cymbalta) on escape and lick/guard behaviors in normal rats, *Society for Neuroscience Abstracts.* **34:** 267.17

26. Marcinkiewcz, C., Duarte, P., Vierck, C.J., Yezierski, R.P., and Devine, D.P. (2008). Stress and pain: Effects of psychosocial stress on thermal nociception in an operant model of pain processing, *Society for Neuroscience Abstracts.* **34:** 364.18.
27. Muehlmann, A.M., Wolfman, S., and Devine, D.P. (2008). Examining the effects of chronic stress on self-injurious behavior in an animal model, *Society for Neuroscience Abstracts.* **34:** 446.29.
28. Devine, D.P. and Muehlmann, A.M. (2008). Self-injurious behavior: Strategies for investigating behavioral pathology in an animal model, *Keystone Symposium: Towards Identifying the Pathophysiology of Autistic Syndromes*. **C2:** 104.
29. Muehlmann, A.M. and Devine, D.P. (2008). Self-injurious behavior: Individual differences in neurotransmitter concentrations using an animal model, *Keystone Symposium: Towards Identifying the Pathophysiology of Autistic Syndromes*. **C2:** 206.
30. Weinstock, N.J., Kabbaj, M., and Devine, D.P. (2007). Effects of social defeat stress on limbic expression of connexins, *Society for Neuroscience Abstracts.* **33:** 298.23.
31. Muehlmann, A.M. and Devine, D.P. (2007). Characterization of drug titers and neurotransmitter concentrations during induction and maintenance of pharmacologically-induced self-injurious behavior, *Society for Neuroscience Abstracts.* **33:** 799.20.
32. Devine, D.P., Wilkinson, J.A., and Muehlmann, A.M. (2007). Sensory thresholds in an animal model of self-injurious behavior, *Society for Neuroscience Abstracts.* **33:** 799.21.
33. Green, M.K. and Devine, D.P. (2007). Effects of acute and chronic social defeat stress on the regulation of the NOP receptor, *Society for Neuroscience Abstracts.* **33** 734.20.
34. Muehlmann, A.M., Wilkinson, J.A., and Devine, D.P. (2007). Sensory thresholds and drug metabolism in an animal model of self-injurious behavior, *International Meeting for Autism Research*. **6:** PS6.6.
35. Stone, K.L., Naccarato, A.M., and Devine, D.P. (2006). Rats exhibit behavioral despair after social defeat stress, *Society for Neuroscience Abstracts.* **32:** 287.17.
36. Muehlmann, A.M., Wilkinson, J.A., and Devine, D.P. (2006). Individual differences in etiology of self-injurious behavior, using an animal model, *Society for Neuroscience Abstracts.* **32:** 487.17.
37. Green, M.K. and Devine, D.P. (2006). Effects of acute and chronic social defeat stress on the regulation of N/OFQ and the NOP receptor, *Society for Neuroscience Abstracts.* **32:** 808.13.
38. Devine, D.P., Kies, S.D., Wilkinson, J.A., and Muehlmann, A.M. (2006). Individual differences in expression of self-injurious behavior, using an animal model, *International Meeting for Autism Research*. **5:** PS1.65.
39. Muehlmann, A.M. and Devine, D.P. (2006). Self-injurious behavior: Pharmacological studies in an animal model, *International Meeting for Autism Research*. **5:** PS1.69
40. Green, M.K. Barbieri, E. V., Brown, B. and Devine, D.P. (2005). N/OFQ-mediated anxiety: Role of the bed nucleus of stria terminalis, *Society for Neuroscience Abstracts.* **31:** 184.2.
41. Muehlmann, A.M. and Devine, D.P. (2005). Pemoline-induced self-injury: Investigating the neurobiological basis in an animal model, *Society for Neuroscience Abstracts.* **31:** 448.11.
42. Devine, D.P. and Muehlmann, A.M. (2005). Pemoline-induced self-injury: Pharmacological validation of an animal model, *Society for Neuroscience Abstracts.* **31:** 448.12.
43. Stone, K. L. and Devine, D.P. (2005). Analysis of the resident-intruder interaction during social defeat stress, *Society for Neuroscience Abstracts.* **31:** 873.15.
44. King, C.D., Devine, D.P., Vierck, C.J., and Yezierski, R.P. (2004) Effects of acute stress on two different behavioral measures of thermal nociception, *American Pain Society*. **24:** 5227.
45. Muehlmann, A.M. and Devine, D.P. (2004). A pharmacological challenge of pemoline-induced self-injury using tramadol, *Society for Neuroscience Abstracts.* **30**: 116.4.

46. Kies, S. D., Kabbaj, M. and Devine, D.P. (2004). A comparison of caffeine- and pemoline-induced self-injury in rats, *Society for Neuroscience Abstracts.* **30**: 116.5.
47. Lopes, K. and Devine, D.P. (2004). Elevation of HPA axis activity in response to repeated social defeat stress in rats, *Society for Neuroscience Abstracts.* **30**: 426.12.
48. Green, M.K. and Devine, D.P. (2004). N/OFQ-mediated anxiety: Roles of the bed nucleus of stria terminalis and the amygdala, *Society for Neuroscience Abstracts.* **30**: 762.5
49. Devine, D.P., Bauer, M.C., Kolesov, S. Hersh, C. and Tartar, J.L. (2004). N/OFQ-induced anxiogenesis: Pharmacological and environmental challenges, *Society for Neuroscience Abstracts.* **30**: 762.6
50. Devine, D.P. (2004). Chronic Stress-Induced Neuroadaptations Cause Age-Associated Memory Impairment, *Evelyn F. McKnight Brain Research Foundation, Board of Trustees Meeting,* **2**.
51. Kies, S. D. and Devine, D.P. (2003). The effects of pemoline on neuronal metabolic activity in a rodent model of self-injurious behavior, *Society for Neuroscience Abstracts.* **29:** 318.17.
52. King, C.D., Devine, D.P., Vierck, C. J., and Yezierski, R. P. (2003). Differential effects of naloxone on acute stress-induced changes in somatosensory processing, *Society for Neuroscience Abstracts.* **29:** 908.3.
53. Misilmeri, M.A. and Devine, D.P. (2003). The NOP receptor antagonist J-113397 activates HPA neuroendocrine activity in unstressed rats, *Society for Neuroscience Abstracts.* **29:** 396.13.
54. Simpkiss, J.L, King, M.A., and Devine, D.P. (2003). Electrophysiologically-induced changes in HPA-axis functioning, *Society for Neuroscience Abstracts.* **29:** 192.8.
55. Kabbaj, M. and Devine, D.P. (2003). Interactions between N/OFQ and the limbic HPA axis: biochemical markers, *Society for Neuroscience Abstracts.* **29:** 392.10.
56. Simpkiss, J.L, Divine, J., Bauer, M.C., and Devine, D.P. (2003). Amygdaloid mediation of N/OFQ-induced anxiety, *Society for Neuroscience Abstracts.* **29:** 396.14.
57. Kabbaj, M. and Devine, D.P. (2003). Interactions between N/OFQ and the limbic HPA axis: biochemical markers, *International Narcotics Research Conference Abstracts.* **34:** O VII-1.
58. Simpkiss, J.L, Divine, J., Bauer, M.C., and Devine, D.P. (2003). Amygdaloid mediation of N/OFQ-induced anxiety, *International Narcotics Research Conference Abstracts.* **34:** P 124.
59. Devine, D.P. (2003). Chronic Stress-Induced Neuroadaptations Cause Age-Associated Memory Impairment, *Evelyn F. McKnight Brain Research Foundation, Board of Trustees Meeting,* **1:** 3-4.
60. Kies, S. D., Turner, C. A., Lewis, M. H., and Devine, D.P. (2002). Effects of environmental complexity in an animal model of self-injury, *Society for Neuroscience Abstracts.* **28:** 207.8.
61. Misilmeri, M.A., Fernandez F., Felger, J.C., and Devine, D.P. (2002). Intracerebroventricular microinjections of N/OFQ produce anxiogenic effects in neophobic tests of anxiety, *Society for Neuroscience Abstracts.* **28:** 571.11.
62. Fernandez, F., Misilmeri, M.A., and Devine, D.P. (2002). Validation of a modified open field: testing anxiety in the rat, *Society for Neuroscience Abstracts.* **28:** 571.10.
63. Simpkiss, J. L. and Devine, D.P. (2002). Electrophysiological changes in central stress circuitry, *Society for Neuroscience Abstracts.* **28:** 865.10.
64. King, C.D., Rodgers, J.C., Devine, D.P., Vierck, C. J., and Yezierski, R. P. (2002). The effects of chronic stress on thermal sensitivity in rats, *Society for Neuroscience Abstracts.* **28:** 156.8.
65. Misilmeri, M. A., Fernandez F., Felger, J. C., and Devine, D.P. (2002). Limbic actions of nociceptin/orphanin FQ (N/OFQ): hormones and anxiety, *Frontiers in Addiction Research, NIDA Director's Symposium.* 1: 44.
66. Kies, S. D. and Devine, D.P. (2002). Quantification of self-injurious behavior in an animal model of pemoline-induced self-injury, *International Meeting for Autism Research*. 2: P1.2.4

67. Fernandez, F., Felger, J. C., Misilmeri, M. A., and Devine, D.P. (2002). Nociceptin/orphanin FQ (N/OFQ) is anxiogenic in tests of rat neophobia, *International Narcotics Research Conference Abstracts.* 33: S46.
68. Whiting, S. K. and Devine, D.P. (2001). Individual differences in caffeine- and pemoline-induced self-injury, *Society for Neuroscience Abstracts.* 27: 775.14.
69. Misilmeri, M. A., Gregory, G. W. and Devine, D.P. (2001). Microinjections of N/OFQ into the VTA and NAcc produce opposite effects in conditioned place preference, *Society for Neuroscience Abstracts.* 27: 320.9.
70. Simpkiss, J. and Devine, D.P. (2001). Altered regulation of the HPA axis after exposure to chronic unpredictable stress: Effects of novel and familiar stressors, *Society for Neuroscience Abstracts.* 27: 412.5.
71. Whiting, S. K. and Devine, D.P. (2001). Factors that predicate self-injury in an animal model of self-injurious behavior, *International Meeting for Autism Research.* 1: P1.2.4
72. Misilmeri, M. A., Gregory, G. W., Akil, H. and Devine, D.P. (2001). Motivational effects of N/OFQ administered into the nucleus accumbens and ventral tegmental area, *International Narcotics Research Conference Abstracts.* **32:** 46.
73. Whiting, S. K., Repetto, M.J., and Devine, D.P. (2000). Evaluation of an Animal Model of Caffeine-Induced Self-Injury. *Society for Neuroscience Abstracts.* **26:** 538.1.
74. Misilmeri, M. A., and Devine, D.P. (2000) Neuroanatomical sites mediating orphanin FQ-induced modulation of LHPA axis activity. *Society for Neuroscience Abstracts.* **26:** 539.3.
75. Misilmeri, M. A., Akil, H. and Devine, D.P. (2000). OFQ-induced modulation of LHPA axis activity: a neuroanatomical study. *International Narcotics Research Conference Abstracts.* **31:** 79.
76. Repetto, M. J., Padron, A. M., McWilliams, H. J. and Devine, D.P. (1999). Amygdaloid injections of orphanin FQ (OFQ) increase activity of the hypothalamic-pituitary-adrenal axis. *Society for Neuroscience Abstracts.* **25:** 590.10.
77. Devine, D.P., McWilliams, H. J., Padron, A. M. and Repetto, M. J. (1999). Intra-amygdala injection of orphanin FQ increases plasma corticosterone concentration. *International Narcotics Research Conference Abstracts.* **30:** 18.
78. Devine, D.P., Hoversten, M. and Akil, H. (1998). Acute stress reduces striatal orphanin FQ content**.** *Society for Neuroscience Abstracts.* **24:** 536.19.
79. Kabbaj, M., Devine, D.P., Watson, S. J. and Akil, H. (1998). Individual differences in physiological responses to an anxiogenic stressor. *Society for Neuroscience Abstracts.* **24:** 564.12.
80. Devine, D.P., Hoversten, M. and Akil, H. (1998). Alterations in neuronal orphanin FQ content following exposure to an acute stressor. *International Narcotics Research Conference Abstracts.* **29:** 79.
81. Devine, D.P., Watson, S. J., Civelli, O. and Akil, H. (1997). Intracerebroventricular administration of the neuropeptide orphanin FQ alters responses of the HPA axis to stress *Society for Neuroscience Abstracts.* **23:** 480.9.
82. Devine, D.P., Watson, S. J., Civelli, O. and Akil, H. (1997). Orphanin FQ increases plasma corticosterone responses to stress, *International Narcotics Research Conference Abstracts.* **28:** 36.
83. Devine, D.P., Reinscheid, R., Monsma, F., Civelli, O. and Akil, H. (1996). Motivational and motoric effects of intracerebroventricular administration of the novel neuropeptide orphanin FQ. *Society for Neuroscience Abstracts.* **22:** 521.4.

84. Devine, D.P., Reinscheid, R., Monsma, F., Civelli, O. and Akil, H. (1996). A behavioural characterization of the effects of intracerebroventricular administration of the novel neuropeptide orphanin FQ. *International Narcotics Research Conference Abstracts.* **27:** 84.
85. Watson, S. J., Mansour, A., Meng, F., Devine, D.P., Civelli, O. and Akil, H. (1996). Orphanin FQ peptide and receptor: structure-function, anatomical and behavioral analysis. *International Narcotics Research Conference Abstracts.* **27:** 30.
86. Devine, D.P. and Akil, H. (1996). A behavioural and anatomical characterization of the motivational and motor-impairing effects of the novel neuropeptide orphanin. *Albert J. Silverman Research Conference Abstracts.* **7:** 19.
87. Devine, D.P. and Akil, H. (1995). Ventral tegmental area microinjections of a mu-opioid receptor antagonist produce conditioned place aversion. *Society for Neuroscience Abstracts.* **21:** 292.11.
88. Devine, D.P. and Akil, H. (1995). Motivational effects of a mu-opioid receptor antagonist microinjected into the ventral tegmentum. *Albert J. Silverman Research Conference Abstracts.* **6:** 27.
89. Devine, D.P., Watson, S. J. and Akil, H. (1994). The relative distributions of mRNAs encoding for mu and delta opioid receptors and for glutamic acid decarboxylase (GAD) in the ventral mesencephalon, *Society for Neuroscience Abstracts.* **20:** 705.5.
90. Devine, D.P., Watson, S. J. and Akil, H. (1994). Distributions of mRNAs encoding mu and delta opioid receptors, and glutamic acid decarboxylase (GAD) in the ventral mesencephalon, *Albert J. Silverman Research Conference Abstracts.* **5:** 13.
91. Devine, D.P., Leone, P. and Wise, R. A. (1993). Knife-cut lesions of the ventral mesencephalon differentially affect ventral striatal dopamine and dopamine metabolite concentrations, *Society for Neuroscience Abstracts.* **19:** 40.11.
92. Devine, D.P., Leone, P. and Wise, R. A. (1993). Striatal tissue preparation facilitates early sampling in microdialysis and reveals an index of neuronal damage, *Albert J. Silverman Research Conference Abstracts.* **4:** 13.
93. Devine, D.P. Leone, P. and Wise, R. A. (1992). Extracellular nucleus accumbens dopamine is increased by microinjections of selective μ opioid antagonists into the ventral tegmental area, *Society for Neuroscience Abstracts.* **18:** 417.6.
94. Devine, D.P. Leone, P. and Wise, R. A. (1992). Involvement of ventral tegmental μ, δ, and κ opioid receptors in reward and in modulation of mesolimbic dopamine: Intracranial self-administration and microdialysis studies, *International Narcotics Research Conference Abstracts.* **25:** 125.
95. Devine, D.P., Leone, P. and Wise, R. A. (1992). Modulation of mesolimbic dopamine by ventral tegmental area μ, δ, and κ opioid receptors: *in vivo* microdialysis studies, *Dopamine '92: From Neurobiology to Neuropathology Abstracts,* 109.
96. Devine, D.P., Leone, P., Pocock, D. and Wise, R. A. (1991). Microinjections of selective μ and δ agonists into the ventral tegmentum increase extracellular nucleus accumbens dopamine: An *in vivo* microdialysis study, *Society for Neuroscience Abstracts.* **17:** 132.6.
97. Devine, D.P., Leone, P., Pocock, D. and Wise, R. A. (1991). The effects of selective opiates in the ventral tegmentum on extracellular dopamine in the nucleus accumbens: An *in vivo* microdialysis study, *International Brain Research Organization Abstracts.* **3:** P60.14.
98. Devine, D.P. and Wise, R. A. (1990). Self-administration of morphine, [D-Ala^2,N-Me-Phe^4-Gly^5-ol]-enkephalin (DAGO), and [D-Pen^2,D-Pen^5]-enkephalin (DPDPE) into the ventral tegmentum of the rat, *Society for Neuroscience Abstracts.* **16**: 382.19.
99. Devine, D.P. and Spanos, N.P. (1988), Cognitive strategies, expectancy, and the attenuation of experimental pain, *Canadian Psychological Association / Société Canadienne de Psychologie*. **49:** 8.

Invited Talks:

1. Non-suicidal self-injury: Neurobiological findings from animal models. International Society for the Study of Self-Injury, Brussels, Belgiu, (June 22, 2018)
2. Development of the nervous system: Sensory systems, sensory-motor integration, and reflexes. *The Institute for Neuro-Physiological Psychology*. Miami, Fl (Jan. 12, 2018).
3. The neurobiological basis of non-suicidal self-injury (NSSI) in Borderline Personality Disorder. Lorentz Center - Leiden University, The Netherlands (March 13, 2017).
4. Vulnerability for self-injurious behaviour in neurodevelopmental disorders: A neurobiological perspective. Integrated Clinical Neuroscience Annual Colloquium. Florida State University, Tallahassee, FL (Feb. 23, 2017).
5. Abnormal development of the nervous system: Impacts on sensory systems and sensory-motor integration. *The Institute for Neuro-Physiological Psychology*. Miami, Fl (Jan. 23, 2017).
6. Development of the nervous system: sensory systems, sensory-motor integration, and reflexes. *The Institute for Neuro-Physiological Psychology*. Miami, Fl (April 26, 2016).
7. Environmental impoverishment: A rodent model of pathological behavior in autism, *Gatlinburg Conference on Research & Theory in Intellectual & Developmental Disabilities*, San Diego, CA (March 11, 2016).
8. The Biological Basis of Vulnerability for Self-Injurious Behavior. Middle Tennessee State University, Murfreesboro, TN (Feb. 21, 2013).
9. Development of the nervous system: sensory systems, sensory-motor integration, and reflexes. *The Institute for Neuro-Physiological Psychology*. Miami, Fl (Oct. 24, 2012).
10. Development of the nervous system: sensory systems, sensory-motor integration, and reflexes. *The Institute for Neuro-Physiological Psychology*. Miami, Fl (Oct. 15, 2011).
11. The biochemical basis of self-injurious behavior: focus on dopaminergic and glutamatergic signaling. *Symposium on "Autism and Pervasive Developmental Disorders: Neuropathology, Pharmacotherapies, and New Directions",* at the *Experimental Biology (FASEB)* conference. Washington DC (April 9, 2011).
12. The role of stress responsiveness in an animal model of self-injury. *Symposium on "Interaction of Disturbed Pain Processing and Self-Injurious Behavior",* at the *First International Congress on Borderline Personality Disorder.* Berlin Germany (July 3, 2010). co-Chair of the symposium, w/ Dr. C. Schmahl.
13. Biochemical factors that confer individual differences in vulnerability for self-injurious behavior. *Symposium on "Behavioral and biological frontiers in the analyses of self-injurious behavior"*, at the *Gatlinburg Conference on Research & Theory in Intellectual & Developmental Disabilities*, Annapolis VA (March 19, 2010). co-Chair of the symposium, w/ Dr. F. Symons.
14. The physiological basis of self-injurious behavior: Studies in an animal model, *Symposium on "The Role of Universal Cognitive and Neurobiological Factors in Deliberate Self-Harm", Association for Behavioral and Cognitive Therapies*, New York, NY (Nov. 21 2009).
15. Limbic Neuroplasticity: Insights into Stress-Induced Psychopathology, Opening address for *Eric Kandel Symposium, Nova Southeastern University*, Ft. Lauderdale, FL (Feb. 2008).
16. Stress and anxiety responses: Regulation by the peptide neurotransmitter N/OFQ, *Department of Medicinal Chemistry, University of Mississippi*, Oxford, MS (April 2004).
17. Neurobiology of stress and anxiety responses: role of the neuropeptide N/OFQ, *Department of Neuroscience, Florida State University*, Tallahassee, FL (Nov. 2003).
18. Interactions between N/OFQ and the limbic HPA axis: biochemical markers. *International Narcotics Research Conference,* Perpignan, France (July 2003).

19. Nociceptin/orphanin FQ (N/OFQ) is anxiogenic in tests of rat neophobia, *International Narcotics Research Conference*, Monterey, CA (July 2002).
20. The neurobiology of stress and drug abuse: Involvement of the endogenous opioid and opioid-orphan systems*, University of Florida, Department of Psychology,* Gainesville, FL (Jan. 1998).
21. Behavioural and physiological properties modulated by nociceptin/orphanin FQ, *International Narcotics Research Conference*, Hong Kong, China (Aug. 1997).
22. Neurobiology of opioid and opioid-like orphan systems: Implications for drug abuse and stress responses, *Maryland Psychiatric Research Center, University of Maryland, School of Medicine, Department of Psychiatry,* Baltimore MD (March 1997).
23. Neurobiology of opioid and opioid-like orphan systems: Implications for drug abuse and stress responses, *William Paterson University, Department of Biology,* Pattersonville, NJ (Feb. 1997).
24. The involvement of opioid and opioid-like orphan systems in the neurobiology of stress and drug abuse, *University of California at Irvine, School of Medicine, Department of Pharmacology,* Irvine CA (Nov. 1996).
25. The involvement of opioid and opioid-like orphan systems in the neurobiology of stress and drug abuse, *Albert Einstein Coll. of Medicine, Department of Psychiatry,* New York, NY (Sept. 1996).
26. A behavioral characterization of the effects of intracerebroventricular administration of the novel neuropeptide orphanin FQ, *International Narcotics Research Conference,* Long Beach, CA (July 1996).
27. Involvement of ventral tegmental μ, δ, and κ opioid receptors in reward and in modulation of mesolimbic dopamine: Intracranial self-administration and microdialysis studies, *International Narcotics Research Conference, Keystone Resort,* Colorado, CO (July 1992).
28. Behaviour management of the survivor of traumatic brain injury, *"New Beginnings Conference", Head Injury Association of Canada, Ottawa, Ontario Canada* (1987).
29. Self-injury as communicative behaviour: Implications for assessment and treatment, *Southeastern Ontario Community Support Programs, Ottawa, Ontario, Canada* (1987).

Talks at the University of Florida:

1. Vulnerability for pathological behaviours in autism spectrum disorder: A neurodevelopmental theory, *UF Undergraduate Neuroscience Club*, (Feb. 6, 2018)
2. Careers in STEM disciplines, *UF Honors Ambassadors*, (Jan. 29, 2018)
3. Environmental Impoverishment in a Rodent Model of Autism Spectrum Disorders, *UF Undergraduate Neuroscience Club*, (Oct. 20, 2015)
4. Self-Injurious Behavior: A Rodent Model and a Theory, *IMPACT Autism*, (March 12, 2015)
5. Self-Injurious Behavior: A Rodent Model and a Theory, *UF Clinical Health Psychology Dept*, (Feb. 6, 2015)
6. Self-Injurious Behavior in Children with Neurodevelopmental Disabilities, *UF Undergraduate Neuroscience Club*, (Oct. 29, 2013)
7. Self-Injurious Behavior in Children with Neurodevelopmental Disabilities, *HHMI Science for Life*, (Sept. 19, 2013)
8. Self-Injurious Behavior in Autistic Children: A Neurodevelopmental Theory, *Technology, Education, Autism Meeting*, (April 6, 2013)
9. The Biological Basis of Autism: Relevance for Self-Injurious Behavior (SIB), *IMPACT Autism*, (Feb. 20, 2012).
10. Disregulation of Dopamine and Glutamate Neurotransmission in an Animal Model of Self-Injurious Behavior, Honors Program – Honors Ambassadors (Nov. 17, 2011)

11. The Role of Stress Responsiveness in Self-Injurious Behaviours: Biochemical Studies in an Animal Model, *Seminar in Psychological Science* (Feb. 24, 2011).
12. Self-Injurious Behaviour: an Animal Model of an Autism Endophenotype, *Howard Hughes Medical Institute (HHMI) "Science for Life" program,* (Nov. 17, 2009).
13. Neurobiological Mechanisms that Underlie the Self-Injurious Endophenotype, *University of Florida Neuroscience Club* (Oct. 22, 2009)
14. The Biochemical Basis of Self-Injury, *Seminar in Psychological Science* (Oct. 1, 2009).
15. The Neurobiological Basis of Vulnerability for Self-Injurious Behaviour, *McKnight Brain Institute* (April 15, 2009)
16. Individual Differences in Vulnerability for Self-Injurious Behaviour, *Center for NeuroPsychological Studies, Veteran's Administration Hospital* (April 3, 2009)
17. A Rodent Model of Self-Injurious Behaviour, *University of Florida Neuroscience Club* (March 16, 2009)
18. Self-Injurious Behaviour: Findings from an Animal Model, *Howard Hughes Medical Institute (HHMI) "Science for Life" program, Turlington* (Oct. 7, 2008).
19. Stress-Induced Limbic Neuroplasticity, *Seminar in Psychological Science* (Feb. 29, 2008).
20. Self-Injurious Behaviour: Findings from an Animal Model, *Howard Hughes Medical Institute (HHMI) "Science for Life" program, Cancer Genetics Institute* (March 6, 2007).
21. Rodent Models of Psychopathology: Stress and Self-injury, *UF College of Veterinary Medicine and Animal Care Services* (March 16, 2004).
22. Chronic stress-induced neuroadaptations in health and disease, *Comprehensive Center for Pain Research* (Dec. 7, 2004).
23. Chronic Stress-Induced Neuroadaptations Cause Age-Associated Memory Impairment, *Evelyn F. McKnight Brain Research Foundation, Board of Trustees Meeting* (Feb. 2004).
24. Self-injurious behaviour: findings from an animal model, *Fifth Annual Autism Conference* (Jan. 2004).
25. Stress responses and anxiety: studies on N/OFQ, individual differences, and neuroadaptations, *NIMH Center for the Study of Emotion and Attention* (March 2003).
24. Stress responses and anxiety: studies on N/OFQ, individual differences, and neuroadaptations, *McKnight Brain Institute* (Oct. 2002).

Grant Reviews:

Department of Defense – Congressionally Directed Medical Research Programs (CDMRP)
Peer Review Medical Research Program (PRMRP)
"Autism Research Program" Review Panel, January 7-9, 2018

The Netherlands Organisation for Scientific Research (NOW/ZonMw)
Innovational Research Incentives Scheme (Vici)
Ad hoc reviewer, 2017

Department of Defense – Congressionally Directed Medical Research Programs (CDMRP)
Peer Review Medical Research Program (PRMRP)
"Neurodevelopmental Disorders" Review Panel, October 6, 2017

National Science Center, Poland
Ad hoc reviewer, 2014, 2017, 2018

Qatar National Research Fund
National Priorities Research Program
Ad hoc grant reviewer, 2011, 2017

Medical Research Council, United Kingdom
Ad hoc grant reviewer, 2017

Research Opportunity Fund
University of Florida Office of Research
Grant Review Panel, 2017

Department of Defense – Congressionally Directed Medical Research Programs (CDMRP)
Peer Review Medical Research Program (PRMRP)
"Psychotropic Medication and Sleep Disorders" Review Panel, 2016

Department of Defense – Congressionally Directed Medical Research Programs (CDMRP)
Autism Research Program (ARP)
"Idea Development Award" Review Panel, 2016

Department of Defense – Congressionally Directed Medical Research Programs (CDMRP)
Peer Review Medical Research Program (PRMRP)
"Psychotropic Medication" Review Panel, 2014 - 2016

Ralph E Powe Junior Faculty Enhancement Award
Ad hoc reviewer, 2016

Claude D. Pepper Older American's Independence Center
Ad hoc reviewer, 2016

National Aeronautics and Space Administration (NASA)
NASA Postdoctoral Program
Scientific Review Panel, 2013

Department of Defense – Congressionally Directed Medical Research Programs (CDMRP)
Autism Research Program (ARP)
"Idea Development Award" Review Panel, 2013

Department of Defense – Congressionally Directed Medical Research Programs (CDMRP)
Autism Research Program (ARP)
"Pilot Award" Review Panel, 2013

State of Pennsylvania Department of Health
Oak Ridge Associated Universities program
ad hoc grant reviewer, November 2010

Wellcome Trust (United Kingdom)
WT2 grant reviewer, August 2010

National Science Foundation
Neuroscience and Physiology section
Member, Graduate Research Fellowship Panel, Arlington, VA., March 5-7, 2010

National Institutes of Health – National Institute on Mental Health
ZMH1 ERB-L-02, R01/R21 – Neurodevelopmental Studies of Mental Illness
Member, Special Emphasis Panel, Washington D.C., February 22-23, 2010

Indo-US Science and Technology Forum – Smithsonian Institute
Birth Defects and Disabilities in the Developing World
ad hoc grant reviewer, September 2009

National Institutes of Health – Recovery Act Limited Competition
RC1 Challenge grants
stage 1 grant reviewer, June 2009

Wellcome Trust (United Kingdom)
WT2 grant reviewer, March 2009

Autism Speaks Foundation
Member, Scientific Review Panel, Philadelphia, PA, February 25-27, 2008

National Institutes of Health – National Cancer Institute
NCI-E GRB-F (Q1) – Stress and Cancer
Member, P01 Review Panel, Bethesda, MD, June 10-11, 2004

National Institutes of Health – National Institute on Drug Abuse
NIDA ZDA1RXL-E (14) - Chronic Stress and Its Relation to Drug Abuse
Member, Special Emphasis Panel, Washington, DC, April 22-23, 2003

Cornerstone Program Enhancement Grant (PEG) competition
Florida State University
ad hoc reviewer, January 2004

South Carolina Exp. Program to Stimulate Competitive Research (EPSCoR)
March, 2002

National Institutes of Health – Center for Scientific Review
ZRG1 BBBP-2, (BDCN-2) - Brain Disorders and Clinical Neuroscience
ad hoc reviewer, 2001

National Science Foundation
Integrative Biology & Neuroscience, Behavioral Neuroscience Division
ad hoc reviewer, 2000-2001

National Science Foundation
Integrative Biology & Neuroscience, Sensory Systems Division
ad hoc reviewer, 2000 and 2001

Department of Veteran's Affairs
ad hoc reviewer, VA Medical Center, Gainesville, FL 1999

Allegheny University of the Health Sciences (intramural grant program)
ad hoc reviewer, 1996

Editorial Service:

2012, Guest Editor, *Journal of Intellectual Disabilities Research,* Wiley-Blackwell Publishing – Special Issue on Self-Injurious Behaviour
2008-2012, Editorial Board, *The Open Neuropsychopharmacology Journal,* Bentham Science Pub,
2008-2014, Editorial Board, *The Open Neuroendocrinology Journal,* Bentham Science Publishers
2007, Guest Editor, *Journal of Undergraduate Research*

Journal Reviews:

- *Reviewer of the Year*, Behavioural Processes (2008)

American Journal on Intellectual and Developmental Disabilities
Autism Research
Behavioral and Brain Functions
Behavioural Brain Research
Behavioural Processes
Biological Psychiatry
Biochemical Pharmacology
Brain Research
British Journal of Pharmacology
Cognitive and Behavioral Neurology
Current Drug Targets
European Journal of Neuroscience
Genes, Brains, and Behavior
ILAR Journal – Institute for Laboratory Animal Research
Integrative Zoology
International Journal of Developmental Neuroscience

International Journal of Neuropsychopharmacology
International Journal of Psychology
Journal of Intellectual Disabilities Research
Journal of Neurochemistry
Journal of Neurodevelopmental Disorders
Journal of Neuroendocrinology
Journal of Neuroscience
Journal of Neuropsychopharmacology
Journal of Pharmacology and Experimental Therapeutics
Journal of Psychopharmacology
Medicinal Chemistry
Neurobiology of Learning and Memory
Neuropeptides
Neuropharmacology
Neuropsychopharmacology
Neuroscience
Neuroscience and Biobehavioral Reviews
Neuroscience Letters
Journal of Neuropsychopharmacology Research
Peptides
Pharmacology Biochemistry and Behavior
Pharmacological Research
Physiology and Behavior
Proc. of the National Academy of Sciences
Psychology Research and Behavior Management
Psychoneuroendocrinology
Psychopharmacology
Stress, The International Journal on the Biology of Stress
The Lancet

Book Reviews:

2017 Oxford University Press – *Biological Psychology*, 1st Ed, Lambert
2016 Oxford University Press – *Essentials of Brain and Behavior*, book proposal
2015 Sinauer Associates - Biological Psychology 7th Ed, Breedlove and Watson
2014 Oxford University Press - *Biological Psychology*, book proposal
2013 Wiley Press - *Biopsychology*, first edition book proposal, Spilich
2013 Oxford University Press - Cognitive Neuroscience, Eagelman
2013 Cengage/Wadsworth - *Discovering Biological Psychology,* 3rd ed. Freberg
2013 Sinauer Publishing - *Neurobiology Workbook*, Clemens and Henley
2012 Pearson Education - *Virtual Brain*
2011 Oxford University Press - *Behavioral Neuroscience*, Eagelman
2011 Cengage/Wadsworth, *Behav. Neurosci.: Dynamics of Brain Body Function* (book proposal)
2010 Sanders Publishing Company - *Biology of Psychology* (book proposal)
2007 Sage Publishing Company, *Brain and Behavior* 2nd ed, Garrett
2005 Allyn & Bacon Publishing Company, *Physiology of Behavior* 9th ed, Carlson
2005 Allyn & Bacon Publishing Company, CD accompanying *Physiology of Behavior* 9th ed
2004 Worth Publishing Company, *An Introduction to Brain and Behavior* 2nd ed, Kolb & Whishaw
2000 Wadsworth Publishing Company, *Biological Psychology* 7th ed, Kalat
1998 Worth Publishing Company, *An Introduction to Brain and Behavior* 1st ed, Kolb & Whishaw
1998 Pearson Education, MyPsychLab, 3D Virtual Brain program

Scientific Outreach and Professional Service:

Creativity in the Arts and Sciences Event (CASE), undergraduate science judge, 2013 and 2014
North-Central Florida Chapter of the Society for Neuroscience, founding member, and member of the Executive Committee (2009-2012)
Junior Science, Engineering, and Humanities Symposium (JSEHS), annual laboratory host and judge for national science competition of high school students (2007 – present)
Society for Neuroscience Annual Meeting, Short Course Guide for high school students (2003)
Society for Neuroscience, published report by SfN in the Annual Press Release Book (2002)
National Public Radio, on-air interview (2002)
Child Protection Report, Baltimore MD., published interview (2002)
The Link newsletter, University of Florida, published interview (2002)

Promotion Committees:

1) External referee for promotion of Associate Professor, Univ. of North Texas (2016)
2) Internal referee for promotion of Lecturer, University of Florida (2016)
3) Internal referee for promotion of Associate Professor, University of Florida (2015)
4) External referee for promotion of Associate Professor, Univ. of Calif. at Los Angeles (2012)
5) External referee for promotion of Adjunct Associate Prof, Univ. of Calif. at Los Angeles (2010)
6) External referee for promotion of Assistant Professor, Nova Southeast. Univ. (2009)
7) External referee for promotion of Associate Professor, Univ. of Mississippi (2004)
8) External referee for promotion of a Faculty Scientist, University of California at Irvine (2001)

Service at U. of Florida:

Graduate Coordinator, Department of Psychology (2017-ongoing)
Director, Behavioral and Cognitive Neuroscience Program, UF Dept. of Psychology (2009-ongoing)
Chair, faculty mentoring committees for 3 junior faculty - UF Dept. of Psychology (2012-ongoing)
Member, junior faculty mentoring committee for 1 junior faculty- UF Dept. of Psychology (2012-ongoing)
Faculty Advisor, Psychology Graduate Student Organization (PGSO), (2017-ongoing)
Member, Research Opportunity Fund Grant Review Panel, Univ of Florida (2017)
Member, HHMI Distinguished Mentor Selection Committee, Univ of Florida (2013 and 2014)
Member, Teaching/Advising Awards Selection Committee, University of Florida (2012)
Training personnel in Dean of Students Office on psychology of memory in relation to Student Conduct and Conflict Resolution (2012-ongoing)
Member, Policy and Planning Committee, UF Dept. of Psychology (2009-ongoing)
Annual Lab host and Judge for Junior Science, Engineering and Humanities Symp. (2007-ongoing)
Website design for Behavioral Neuroscience Program, UF Dept. of Psychology (1999-ongoing)
Chair, Search committee - Behavioral & Cognitive Neuroscience faculty position (2011-2012)
Member, CLAS Faculty Enhancement Opportunity (FEO) Committee (2010-2011)
Member, CLAS Sabbatical Committee (2010)
T.A./Fellowship/Admissions committee rep. for Beh. Neurosci. program (2006-2009)
Merit committee member (2004-2005)
Interviewed for internet course in Counseling Psychology (2004)
Interviewed for internet course on Careers in Psychology (2003)
Judge for Undergraduate Scholars Program writing competition (2003-2004)
Judge for “Doris Thames Staff Excellence Award” (2003)
Search committee member - Behavioral Genetics faculty position, 2004
Search committee member - Learning and Memory/Aging faculty position, 2004
Search committee member - Center for Smell and Taste faculty position, 2003
Search committee member - Behavioral Neuroscience faculty position, 2002
Alternate Member of Institutional Animal Care and Use Committee (2002-2005)
Member of Institutional Animal Care and Use Committee (2000-2002)

Current Professional Associations:

Society for Neuroscience (SfN)
American Society for Pharmacology and Experimental Therapeutics (ASPET)
Cure Autism Now Foundation, Orlando Chapter (CAN)
International Society for Autism Research (INSAR)
Evelyn F. and William L. McKnight Brain Institute
University of Florida Comprehensive Center for Pain Research
University of Florida Genetics Institute

Technical Skills:

Small Animal Surgery
stereotaxic intracranial and intravenous (jugular) cannulation
electrolytic / chemical lesions
vasectomy, adrenalectomy, etc.
perfusion, brain removal and dissection, sectioning and staining
Behavioral Assays
intravenous / intracranial models of drug self-administration
intracranial electrical self-stimulation
conditioned place preference
locomotor activity / sensitization / tolerance
motor skill / motor impairment battery ("Rat Olympics")
drug dependence / withdrawal
models of stress / non-habituating stress
social defeat stress
individual differences in stress responsiveness
models of anxiety (elevated plus maze, open field, etc.)
models of learning / memory (Morris water maze, T-maze, etc.)
Neurochemical Assays
intracranial microdialysis
high-pressure liquid chromatography / U-V and electrochemical detection
Molecular Assays
preparation of competent cells / DNA transformation / plasmid preps
cell culture /cell transfection / cell passage
mRNA transcription Rxn / labeling of riboprobes
DNA / RNA isolation / purification / quantification
polyacrylamide / agarose gel electrophoresis
radioactive / digoxigenin mRNA *in situ* hybridization
immunohistochemistry (glyoxylic acid, TH, c-fos, etc.)
radioimmunoassay, ELISA
Western blots (incl. phospho-specific)
PCR / RT-PCR / RT-PCR arrays
autoradiography
densitometry and image analysis

Additional Training
Protein Chemistry and Molecular Cloning, Molecular Biology Lab Course (GMS6004), 2010
Society for Neuroscience Short Course: DNA Microarrays: The New Frontier in Gene Discovery and Gene Expression Analysis, *Society for Neuroscience*, 2000
NICHD: Workshop on Self-Injurious Behavior, 1999
Neurobiology of Developmental Disorders, *Society for Neuroscience*, 1997
Basics of Molecular Biology for Neurobiologists, *Society for Neuroscience*, 1992
Microdialysis and Voltammetry, *Society for Neuroscience*, 1991
NIDA Neurobiological Models for Evaluating Mechanisms Underlying Cocaine Addiction and Potential Pharmacotherapies for Treating Cocaine Abuse, *Society for Neuroscience*, 1991