

Curriculum Vitae

Name: Ronald B. Emeson, Ph.D.

Address: Department of Pharmacology 3514 Central Avenue
Vanderbilt University Nashville, TN 37205-2342
School of Medicine
Nashville, TN 37232-8548

Date of Birth: May 18, 1958
Denver, Colorado

Education and Professional Experience:

2016-present

Professor, Departments of Pharmacology, Biochemistry, Molecular Physiology & Biophysics and
Psychiatry & Behavioral Sciences
Vanderbilt University School of Medicine

2008-present

Professor, Departments of Pharmacology, Molecular Physiology & Biophysics and Psychiatry
Vanderbilt University School of Medicine

2007-present

Professor, Departments of Pharmacology and Molecular Physiology & Biophysics
Vanderbilt University School of Medicine

1997-2007

Associate Professor, Departments of Pharmacology and Molecular Physiology & Biophysics
Vanderbilt University School of Medicine

1991-1997

Assistant Professor, Departments of Pharmacology and Molecular Physiology & Biophysics
Vanderbilt University School of Medicine

1989-1991

Research Associate, Howard Hughes Medical Institute
University of California, San Diego

1986-1989

Post-doctoral Fellow, Eukaryotic Regulatory Biology Program
University of California, San Diego
Advisor: Dr. Michael G. Rosenfeld

1983-1986

The Johns Hopkins University School of Medicine
Department of Neuroscience

1980-1983

The University of Colorado Health Sciences Center
Ph.D., Physiology, 1986
Advisors: Drs. Elizabeth A. Eipper and Richard E. Mains

1976-1980

The Johns Hopkins University
B.A., Biology, 1980

Awards and Honors:

Journal of Biological Chemistry, Editorial Board, 2016-present

Thomas Jefferson Award-Vanderbilt University, 2015
 Department of Pharmacology Teaching Award (1995, 2003, 2017)
 Fellow, American Association for the Advancement of Science (AAAS), 2012
 Joel G. Hardman and Mary K. Parr Chair in Pharmacology, 1998-present
Pharmaceutical Research, Editorial Advisory Board, 1997-2000
 NIH Study Section, Molecular, Developmental and Cellular Neuroscience-6, *member*, 1998-2000
 NIH Study Section, Neurological Sciences-2, *member*, 1996-1998
 Individual National Research Service Award (NRSA), 1986-1989
 Upjohn Pharmaceutical Company Graduate Fellowship, 1982, 1983

Professional Affiliations: The RNA Society; The Endocrine Society; Society for Neuroscience; New York Academy of Sciences; American Association for the Advancement of Science; American Society for Pharmacology and Experimental Therapeutics; Sigma Xi; American Society for Biochemistry & Molecular Biology; International Society for Serotonin Research

Member, Vanderbilt Diabetes Research & Training Center (2020-present)

Member, Vanderbilt Digestive Disease Research Center (2020-present)

Journal Reviewer (ad hoc):

<i>ACS Chemical Biology</i>	<i>J. Immunol.</i>	<i>Pharm. Res.</i>
<i>Bioessays</i>	<i>J. Mol. Biol.</i>	<i>Proc. Natl. Acad. Sci. USA</i>
<i>Biochemistry</i>	<i>J. Neurosci.</i>	<i>Psychopharmacology</i>
<i>Biochim. Biophys. Acta</i>	<i>J. Theor. Biol.</i>	<i>PLOS Biology</i>
<i>BMC Molecular Biology</i>	<i>J. Virol.</i>	<i>PLOS Genetics</i>
<i>Cell Reports</i>	<i>Mol. Cell. Biol.</i>	<i>PLOS One</i>
<i>Chem. & Biol.</i>	<i>Mol. Cell. Neurosci.</i>	<i>RNA</i>
<i>Current Biology</i>	<i>Mol. Endocrinol.</i>	<i>RNA Biology</i>
<i>EMBO J.</i>	<i>Mol. Pharmacol.</i>	<i>Science</i>
<i>Eur. J. Neurochem.</i>	<i>Nature</i>	<i>Science Signaling</i>
<i>FEBS Letters</i>	<i>Nature Biotechnol.</i>	<i>Science STKE</i>
<i>Gene</i>	<i>Nature Neuroscience</i>	<i>Scientific Reports</i>
<i>Genomics</i>	<i>Neuron</i>	<i>Trends Genet.</i>
<i>J. Biol. Chem</i>	<i>Neuropsychobiology</i>	<i>Trends Pharmacol. Sci.</i>
<i>J. Cell Biol.</i>	<i>Neuropsychopharmacology</i>	
<i>J. Clin. Invest.</i>	<i>Nucleic Acids Res.</i>	

Grant Reviewer (ad hoc):

NIH Study Section-MNG	NIH Study Section-ZRG1 GGG-F	NIH Study Section-ETTN-H
NIH Study Section-MGC	NIH Study Section-MDCN-1	The Wellcome Trust
NIH Study Section-NIDA-K	NIH Study Section-BST-A	Science Foundation Ireland
NIH Study Section-F03A-B	National Science Foundation	Foundation for Prader-Willi Res.
Israel Science Foundation	NIH Study Section-SXC-E	NIH Study Section-BCMB-A
NIH Study Section--ETTN-G	NIH Study Section-ZDA1 JXR-G	NIH Study Section-TEP-6
Cystic Fibrosis Foundation	NIH Study Section- ZRG1 BCMB-H	NIH Study Section-ZNS1 SRB-C

Funding:

Current:

International Rett Syndrome Foundation Innovation Award (Emeson, R.B.) 07/01/23-06/30/25
RNA Editing-Mediated Modification of a Common Nonsense Mutation in Rett Syndrome
 Role: PI

Department of Defense PRMRP Discovery Award (Emeson, R.B.) 07/01/23-06/30/24
Systematic Pipeline for ADAR-Mediated Transcript Therapeutics in Rett Syndrome
Role: PI

Seeding Success-Vanderbilt Office of the Vice-Provost (Emeson, R.B.) 01/01/23-01/01/25
MECP2 Targets for ADAR-mediated RNA Repair in Rett Syndrome
Role: PI

Vanderbilt Brain Institute TIPS Award (Emeson, R.B.) 01/01/23-06/30/23
MECP2 Targets for ADAR-mediated RNA Repair in Rett Syndrome
Role: PI

American Parkinson Disease Association (Emeson, R.B.) 09/01/22-08/31/23
ADAR-Mediated LRRK2 Therapeutics in Parkinson's Disease
Role: PI

NIH/NIDDK R01 DK119508-01A1 (Emeson, R.B.) 08/01/19-07/31/23
"Cell-specific Modulation of Feeding Behavior by Serotonin 2C Receptor RNA Processing"
Role: PI

Past:

NIH/NICHD U54HD083211 (Wallace, M.) 09/17/15-05/31/20
Eunice Kennedy Shriver Intellectual and Developmental Disabilities Research Center at
Vanderbilt University
Role: Co-Investigator (Core D)

Vanderbilt JumpStart Grant (Emeson, R.B.) 07/01/18-06/30/20
"Cell-specific Modulation of Feeding Behavior by Serotonin 2C Receptor RNA Processing"
Role: PI

Vanderbilt Kennedy Center- Hobbs Discovery Grant (Emeson, R.B.) 03/01/17-06/30/19
"Serotonin 2C receptor alternative splicing and the regulation of food intake"
Role: PI

State of Tennessee (Emeson, R.B.) 03/01/17-02/28/18
Department of Education "Improving Teacher STEM Content Knowledge through a Problem-
Based Learning Approach to Neuroscience"
Role: PI

NIH/NIMH P50MH096972 (Blakely, R.D.) 07/01/12-08/31/17
Silvio O. Conte Center for Neuroscience Research
"Enduring Impact of Early-Life Serotonin Signaling"
Role: PI (Project 4)

NIH/NINDS F31 NS087911 (Jinnah, H., NRSA Pre-Doctoral Fellowship) 07/01/15-06/30/18
"RNA Editing-Mediated Regulation of Serotonin 2C Receptor Density"
Role: Ph.D. advisor

NIH/NINDS F31 NS087911 (Ferrick, E.A., NRSA Pre-Doctoral Fellowship) 07/01/14-06/30/16
"Physiological roles of Kv1.1 RNA editing"
Role: Ph.D. advisor

NIH/NIMH (Ronald B. Emeson, Principal Investigator)
R21 MH94977 "Novel transgenic tools for analysis of 5HT_{2c} receptor expression and function"
03/01/12-02/28/15
Role: PI

Vanderbilt Kennedy Center- Hobbs Discovery Grant (Emeson, R.B.) "Stress-mediated alterations in serotonin 2C receptor function" Role: PI	01/01/11-06/30/13
NIH/NIMH P50MH78028 (Blakely, R.D.) Silvio O. Conte Center for Neuroscience Research "Genes controlling assembly and function of serotonin systems" Role: PI (Project 5)	09/01/07-08/31/12
NIH/NINDS F32 MH090640 (Ulbricht, R.J.) "RNA editing-mediated modulation of serotonin 2C receptor protein expression" Role: Post-doctoral advisor	07/01/10-10/31/11
NIH/NINDS R01 NS33323 (Emeson, R.) "Regulation of RNA Editing in the CNS" Role: PI	02/01/07-06/30/11
NIH/NIDA R21 DA026880-01 (Deutch, A.) "The role of claustrum in substance abuse and cognition" Role: Co-investigator	05/01/09-04/30/11
NIH/NIMH R01 MH34007 (Sanders-Bush, E.) "Characterization of Central Serotonin Receptors" Role: Co-investigator	12/01/06-11/30/09
NIH/NINDS R01 NS35891 (Emeson, R.) "Post-Transcriptional Regulation of Serotonin Receptors" Role: PI	02/01/97-01/31/08
NIH/NCI P30 CA068485 (DuBois, R.) "Cancer Center Support Grant" Role: Director, Transgenic Mouse/ES Cell Shared Resource	09/17/04-08/31/09
NIH/NIDDK P60 DK020593 (Powers, A.) "Diabetes Research and Training Center" Role: Director, Transgenic Mouse/ES Cell Shared Resource	04/01/07-03/31/12
NIH/NIAID R01 AI059108-01A1 (Breyer, R.) "The Structure and Function of the CRTH2 PGD ₂ Receptor" Role: Co-investigator	02/01/05-01/31/10
Vanderbilt University Clinical Nutrition Research Unit (Emeson, R.) "ADAR2 expression and feeding behavior"	01/01/04-12/31/04
NIH/NINDS F31 NS41704 (Sansam, C.L., Pre-doctoral NRSA Fellowship) " <i>In vivo</i> regulation of ADAR2 activity by autoediting" Role: Ph.D. advisor	06/01/01-05/31/04
VUMC Discovery Grant (Emeson, R.) "RNA editing and obesity" Role: PI	04/01/02-04/31/04
NIH/NIMH R13 MH62436 (Emeson, R.) "Gordon Research Conference on RNA Editing" Role: PI	01/26/01-01/31/03
NIH/NIGMS T32 GM07628 (Emeson, R.) "Training in Pharmacological Sciences"	07/01/98-06/30/03

Role: PI

NIH/NINDS R01 NS33323 (Emeson, R.) 06/01/95-05/31/00
 "Regulation of Glutamate Receptor Subunit Expression"
 Role: PI

American Heart Association Grant-in-Aid (Emeson, R.) 07/01/96-06/30/99
 "AMPA Receptor Subunit Expression in Hypoxia/Ischemia"
 Role: PI

NIH/NIMH R13 MH59968 (Emeson, R.) 01/24/99-01/29/99
 "Gordon Conference on RNA Editing"
 Role: PI

NIH/NIDDK 5R01 DK46641 (Emeson, R.) 01/01/93-12/31/97
 "Regulation of Neuroendocrine mRNA Production"
 Role: PI

Upjohn Pharmaceutical Company (Emeson, R.) 01/11/94-01/10/97
 "Regulation of GluR-B Subunit Expression"
 Role: PI

NIH/NINDS F32 NS10040 (Coats, S.R., Post-doctoral NRSA Fellowship) 12/01/96-11/30/99
 "Regulation of Kainate Receptor RNA Editing"
 Role: Post-doctoral advisor

Pharmaceutical Research and Manufacturer's Association of America (Burns, C.M.)
 "AMPA Receptor Subunit Expression in Experimental Models of Hypoxia/ Ischemia"
 07/01/94-06/30/96
 Role: Ph.D. advisor

Diabetes Research and Training Center (Vanderbilt University) (Emeson, R.) 12/01/91-11/30/93
 "Regulation of CGRP in Pancreatic Physiology"
 Role: PI

American Cancer Society Institutional Research Grant (Emeson, R.) 07/01/92-06/03/93
 "Post-Transcriptional Regulation of Gene Expression"
 Role: PI

National Parkinson Foundation, Inc. (Emeson, R.) 06/01/93-05/31/94
 "Glutamate Receptor Subunit Expression in Parkinson's Disease"
 Role: PI

Molecular Toxicology Center (Vanderbilt University) (Emeson, R.) 04/01/94-03/31/95
 "AMPA Expression in Hypoxia/Ischemia"
 Role: PI

Invited Conference Lectures:

International Rett Syndrome Foundation, Nashville, TN (2023)
 Gordon Research Conference on RNA Editing and Modification, Ventura, CA (2023)
 Gordon Research Conference on RNA Editing and Modification, Il Ciocco, Italy (2015)
 RNA editing workshop -- From genomic prediction to function, (Ein Boqek, Israel) (2014)
 Gordon Research Conference on RNA and DNA Editing, Galveston Island, TX (2013)
 Gordon Research Conference on RNA and DNA Editing, Galveston Island, TX (2011)
 Tennessee Physiological Society, Nashville, TN (2009)
 Gordon Research Conference on RNA and DNA Editing, Galveston Island, TX (2009)
 American College of Neuropsychopharmacology, Scottsdale, AZ (2008)
 American Society for Biochemistry and Molecular Biology, Washington, D.C. (2007)
 Gordon Research Conference on RNA Editing, Ventura, CA (2007)

Gordon Research Conference on RNA Editing, Ventura, CA (2005)
19th Int. Congress of Biochemistry & Molecular Biology, Montreal, Canada (2003)
Gordon Research Conference on RNA Editing, Ventura, CA (2003)
CGRP 2001; 4th International Meeting on CGRP, Copenhagen, Denmark (2001)
Gordon Research Conference on RNA Editing, Ventura, CA (2001; Chair)
EMBL Workshop on Regulation of Pre-mRNA Processing, Madrid, Spain (2000)
Gordon Research Conference on RNA Editing, Ventura, CA (1999; Vice-Chair)
4th IUPHAR Satellite Meeting on Serotonin, Rotterdam, The Netherlands (1998)
The 3rd Annual Meeting of the RNA Society, Madison, WI (1998)
Winter Brain Research Conference, Snowbird, UT (1998)
American College of Neuropsychopharmacology, Kamuela, HI (1997)
The 2nd Annual Meeting of the RNA Society, Banff, Canada (1997)
Gordon Research Conference on RNA Editing, Ventura, CA (1997)
EMBO Workshop on RNA Editing, Maastricht, The Netherlands (1996)
Albany Conference, RNA Editing, Rensselaerville, NY (1994)
European Society of Neurochemistry, Dublin, Ireland (1992)
American Society of Zoology, Atlanta, Georgia (1991)
International Symposium on Calcitonin-Gen Related Peptide, Graz, Austria (1991)
EMBO-NSF Workshop on Spliceosome Assembly and Tissue-Specific Splicing, Ile de Bendor, France (1990)
71st Annual Meeting of the Endocrine Society, Seattle, WA (1989)
8th International Congress of Endocrinology, Kyoto, Japan (1988)

Invited Research Seminars:

University of South Florida, Department of Molecular Medicine (May, 2020)
University of Utah, Department of Biochemistry (November, 2018)
University of California at Davis, Chemical Biology Program (April, 2018)
Brown University, Department of Molecular Biology, Cell Biology, & Biochemistry (May, 2016)
University of Vermont, Department of Neurological Sciences (January, 2016)
University of Kentucky, Department of Molecular & Cellular Biochemistry (April, 2014)
Stanford University, Department of Genetics (February, 2014)
Scripps Research Institute (Florida), Molecular Therapeutics & Neuroscience (October, 2011)
Mount Sinai School of Medicine, Department of Genetics and Genomic Sciences (June, 2009)
Columbia University, Division of Integrative Neuroscience, Department of Psychiatry, (March, 2009)
Stockholm University, Stockholm, Sweden, Department of Molecular Biology and Functional Genomics (August, 2008)
Meharry Medical College, Department of Cell and Molecular Biology (May, 2008)
University of Texas Medical Branch, Center for Addiction Research (March, 2008)
Shanghai Institute of Biological Sciences, Chinese Academy of Sciences, Shanghai, China (October, 2007)
University of Connecticut Health Center, Department of Neuroscience (September, 2007)
University of Puerto Rico, Institute of Neurobiology (March, 2007)
University of Alabama at Birmingham, Department of Genetics (February, 2007)
University of California, Santa Barbara, Department of MCD Biology (April, 2006)
Meharry Medical College, Annual Neuroscience Symposium (July, 2004)
Murray State University (April, 2003)
Institut fuer Molekularbiologie und Biophysik, Zurich, Switzerland (April, 2003)
University of Michigan, Department of Human Genetics (April, 2001)
Millennium Pharmaceuticals, Inc. (July, 2000)
University of Minnesota, Department of Pharmacology (March, 2000)
Case Western Reserve University, Department of Molecular Biology & Microbiology (March, 2000)
Merck Research Laboratories, Merck & Co., Inc. (February, 2000)
University of Zaragoza, Department of Anatomy, Embryology and Genetics (April, 1999)
Gladstone Institute for Cardiovascular Research (January, 1999)
Louisiana State University, Department of Cellular Biology & Anatomy (April, 1998)
Pennsylvania State University, Department of Biochemistry and Molecular Biology (March, 1998)
University of Utah, Department of Biochemistry (January, 1998)

University of Chicago, Committee on Cell Physiology (January, 1998)
University of Rochester, Department of Biochemistry (December, 1997)
University of Miami, Department of Biochemistry & Molecular Biology (September, 1997)
Biozentrum, Department of Cell Biology, Basel, Switzerland (September, 1996)
Indiana University/Purdue University at Indianapolis, Department of Biology (March, 1996)
University of Miami, Department of Physiology & Biophysics (April, 1995; April, 2002)
University of California, Irvine, Department of Microbiology and Molecular Genetics (April, 1995; April, 2000)
University of Texas Southwestern Medical School, Department of Obstetrics and Gynecology (July, 1993)
The Johns Hopkins University, Department of Neuroscience (April, 1992)
University of Vermont, Department of Anatomy and Neurobiology (November, 1991; March, 1998)

Vanderbilt University:

Vanderbilt Kennedy Center Science Day (*keynote speaker*, February, 2011)
Conte Center for Neuroscience Research Symposium (November, 2010)
Developmental Disabilities Grand Rounds, Vanderbilt Kennedy Center (April, 2010)
Department of Pathology (October, 2008)
Department of Microbiology & Immunology (December, 2007)
Department of Psychiatry, Grand Rounds (September, 2007; February, 2013)
Institute of Imaging Sciences (January, 2006)
Department of Medicine (Rheumatology; February, 2003)
Department of Biochemistry (October, 2001; February, 2017)
Department of Cell Biology (March, 1997; October, 2001)
Department of Microbiology and Immunology (October, 1996)
Neuroscience Seminar Series (October, 1993; November, 1995; September, 2015)
Department of Medicine, Endocrine Grand Rounds (December, 1994)
Department of Medicine (Nephrology; March, 1993; September, 1995; October, 2014)
Department of Molecular Physiology & Biophysics (October, 1995; December, 2003; November, 2005; March, 2008)
Department of Pharmacology (March, 1992; July, 2001)
Department of Biological Sciences (February, 1992; March, 1996; March, 1998; September, 2014)

Teaching Experience:

Vanderbilt University:

Fundamentals of Neuroscience (NURO8345, Course Co-Director), 2019-present
Medicine, Health & Society (MHS 290), Animal Care and Biomedical Research (2015-2019)
Advanced Molecular Neurobiology (NURO8346; Course Director); Generation of neurotransmitter receptor diversity, 1998-present
IGP Focus Group Leader, 2009-2013, 2017-2020
Pharmacological Targets and Mechanisms (PH 324-5); Endocrinology, 1993-2007, 2016-2021
The RNA World (Course Director), 2011-2021
Methods and Experimental Design in Neuroscience Research (NURO8352), 2010-present
Neuroscience Discussions (NURO325), 2012-2016
Bioregulation (BMS 300a); RNA processing; RNA structure; RNA-protein interactions, 1992-present
Scientific Communication Skills (PH 322), 1992-1999, 2003, 2006, 2007, 2010
Experimental Molecular Medicine (Masters in Clinical Science); RNA Processing, 1997-2006
Current Topics in Gene Therapy (PH 328); Homologous recombination and transgenic animals, 1996
Medical Pharmacology (PH 321); Gastrointestinal physiology; Chemotherapy; Endocrine physiology, 1994-1998
Pharmacological Techniques (PH 324-2); Analysis of DNA and RNA, 1995.
Pharmacology of Psychotropic Drugs (PH 329); Opiate receptors and endogenous ligands, 1994
Cellular and Molecular Neuroscience (CB/PH/MPB 345); Peptide neurotransmitters; Post-translational processing in the CNS, 1992-1999
Human Physiology and Molecular Medicine (MPB 330); Regulation of neuronal gene expression; 1993-1994

Bioregulation (BMS 300a); Cell-cell communication, 1997-1999
Molecular Endocrinology (MPB 327); Alternative RNA splicing/endocrine gene expression, 1992-1995

Meharry Medical College: Scientific Communication Skills (2006, 2007)

University of California, San Diego: Post-transcriptional regulation of gene expression, 1987.

San Diego State University: Neuroendocrine gene expression; 1988

University of Colorado Health Sciences Center: Post-translational processing of peptide hormones, 1982-1983

University Service:

Vanderbilt University School of Medicine Faculty Advisory Council-Executive Committee (2021-present)

University Sustainability Advisory Council (2021-present)

Religious Affairs Committee (2019-2020)

Faculty Advisory Committee, Creative Data Solutions Shared Resource (2019-present)

Edge Grant Review (2018-present)

BlueSky Vision Energy Strategy Committee (2017-2019)

Environmental Advisory Committee (2017-2019)

Neurophotonics Training Grant Advisory Committee (2017-present)

Internal Advisory Board-Training Program in Alzheimer's Disease (2017-present)

Vanderbilt School of Medicine Executive Committee of the Executive Faculty (2017-2018)

Director, Neuroscience Core, Vanderbilt Kennedy Center for Research on Human Development (2016-2020)

Advisory Committee, Postdoctoral Training Program in Functional Neurogenomics (2015-present)

Director, Office of Animal Welfare Assurance (2013-2017)

Institutional Animal Care and Use Committee (IACUC)

Chair (2008-present)

Vice-Chair (2007-08)

Limited Submissions Opportunities (LSO) Review Committee (2017-2019)

Institutional Shared Resources Oversight Committee (2014-2016)

Chair, Vanderbilt Kennedy Center Science Day (2017)

Vanderbilt Brain Institute

Associate Director, Vanderbilt Brain Institute (2011-present)

Interim Director, Vanderbilt Brain Institute (2016-2018)

Membership Committee, Vanderbilt Brain Institute (2011-present)

Curriculum Committee, Vanderbilt Brain Institute (2011-present)

Research Committee, Vanderbilt Brain Institute (2011-present)

Admissions Committee, Vanderbilt Brain Institute (2011-present)

Outreach Committee, Vanderbilt Brain Institute (2011-present)

Vanderbilt Staff Awards Review Committee (2012-present)

Vanderbilt Faculty Awards Review Committee (2012-present)

Co-Chair, Rodent Barrier Facility Advisory Task Force (2007-present)

Cellular, Biochemical and Molecular Sciences Training Grant Advisory Board (2000-present)

VanderbiltResearch.org Advisory Committee (2010-present)

Vanderbilt Kennedy Center Membership Committee (2009-12)

Deputy Director, Center for Molecular Neuroscience (2007-11)

University Faculty Senate

Vice-Chair (2007-08); Vice Chair-Elect (2006-07); Past Vice-Chair (2008-09);

Academic Programs and Services Committee (2008-09)

Faculty Life Committee (2005-08)

Interdisciplinary Task Force (2005-07)

Genome Sciences Resource Advisory Committee (2010-2012)

Bridge Funding Feasibility Committee (2007, 2009, 2014)

Graduate & Post-Doc Education Committee (2007-09)

Small Animal Advisory Committee (2004-present)

Large Animal Advisory Committee (2013-present)

Rodent Neurobehavioral Facility Planning Committee (2007-09)

Vanderbilt Transgenic Mouse/ES Cell Shared Resource

Director (2005-2008)

Scientific Director (2003-05)

Advisory Committee (1999-2003, 2015-present)
 Faculty Advisory Council (*Executive Committee member*; 2003-07)
 Medical Scientist Training Program (MSTP) Seminar Series, Co-Director (2001-2007)
 Interdisciplinary Graduate Program Executive Committee (2001-05)
 Medical Student Promotions Committee (2001-05)
 Environmental Affairs Committee (2000-04)
 Department of Pharmacology
 Pharmacology Advisory Committee - Cancer Biology (2017-2018)
 Pharmacology Curriculum Committee (2016-present)
 Pharmacology Training Program Advisory Group (2010-present)
 Pharmacology Curriculum Review Retreat Planning Committee (2009)
 Graduate Examination Committee (1996-98, 2001-03, 2008-10, 2016-18)
 Strategic Planning Committee (2006-08)
 Director of Graduate Studies (1996-2001)
 Assistant Director of Graduate Studies (1995-96)
 Neuroscience Faculty Advisory Committee (1996-2005)
 IGP Core Curriculum Committee (1996-97)
 Chair, Vanderbilt Summer Undergraduate Research Program (1992-95)
 Strategic Planning Task Force (Basic Science Initiatives; Diversity, Outreach, Infrastructure) (1996)
 Vanderbilt-Meharry Alliance-Scientific Interaction Subcommittee (1999)
 VUMC Intramural Discovery Grant Review Committee (1998, 2002, 2003, 2006)
 Faculty Search Committees
 Molecular Physiology & Biophysics/Center for Human Genomics Research (2013-2014)
 Department of Cell and Developmental Biology (2010-2012)
 Department of Pharmacology (2002)
 Cellular and Molecular Neuroscience (1996)
 Division of Endocrinology (1996-98)
 Department of Cell Biology (1998-2001)

Trainees:

Graduate students:

Colleen M. Burns, Ph.D., 1992-1996
 Jonathan T. Lu, Ph.D., 1992-1996
 Susan M. Rueter, Ph.D., 1993-1997
 Jongho Lee, M.D., Ph.D., 1996-2002
 Linda K. Hutchinson, M.S., 1996-2003
 Charles Hardy, 1997-1998
 T. Renee Dawson, Ph.D., 1997-2004
 Christopher Sansam, Ph.D., 1998-2004
 Brent Thompson, Ph.D. 1999-2005
 Yi Feng, Ph.D., 2000-2005
 Ming Xu, Ph.D., 2002-2006
 Michael Morabito, Ph.D., 2001-2008
 Elizabeth Rula, Ph.D., 2002-2008
 Michelle Jacobs, Ph.D., 2002-2008
 Jennifer Hood, Ph.D., 2003-2014
 Lisa Baldwin, 2011-2012
 Melanie Brady, M.S., 2013-2014
 Richard T. O'Neil, Ph.D., 2008-2015
 Elizabeth A. Ferrick, Ph.D., 2011-2016
 Husain Jinnah, 2013-present
 Turnee N. Malik, Ph.D. 2015-2020
 Christopher Hofmann, 2016-2019
 Kayla Shumate, 2016-2021

Post-doctoral fellows:

Stephen R. Coats, Ph.D., 1995-1996
 R. Blair McNeill, III, Ph.D., 1998-2001
 Minati Singh, Ph.D., 1997-2004
 Xu-ping Wang, Ph.D., 2007-2011
 Randi Ulbricht, Ph.D., 2008-2016

Rotation students:

Tess Vessels (IGP, 2018)	Phillip Stauffer (IGP, 2018)
Jamal Bryant (IGP, 2016)	Kelsey Pilewski (IGP, 2016)

Sara Poliquin (IGP, 2016)
 Sarah Arcos (IGP, 2015)
 Rafael Perez (IGP, 2015)
 Katie Rothamel (IGP, 2014)
 Turnee Malik (IGP, 2014)
 Cristina Robinson (IGP, 2014)
 Angela Howard, (QCB; 2013)
 Michael Tackenberg (IGP, 2013)
 Alexandra Trevisan (IGP, 2013)
 William Martin (IGP, 2012)
 Eric Gonzalez (IGP, 2011)
 Laura Armstrong (MSTP; 2010)
 Brent Livesay (IGP; 2008)
 Stephen Turner (IGP; 2006)
 Jacqueline Recktenwald (IGP; 2004)
 Matt Mazalouskas (IGP; 2004)
 Abel Alcazar-Roman (IGP; 2003)
 Feng Zhang (IGP; 2001)
 Xinran He (IGP; 2000)
 Jennifer VanVelkinburgh (IGP; 2000)
 Dale Lamar (IGP; 2000)
 Stephen Guilliot (IGP; 1999)
 Scott Myers (IGP; 1999)
 Jennifer Scruggs (IGP; 1998)
 David Salmon (IGP; 1998)
 Erika Nurmi (MSTP; 1997)
 Harrison Le (IBR; 1997)

Whitney Miller (IGP, 2015)
 Francis J Prael (IGP, 2015)
 Rachel Fischer (IGP, 2015)
 Sean Moran (IGP, 2014)
 James Maksymetz (IGP, 2014)
 Aparna Shekar (IGP, 2013)
 Miles Bryan (IGP, 2013)
 Lisa Poole (IGP, 2013)
 Erica Shannon (IGP, 2012)
 Diana Cha (IGP, 2011)
 Eddie Hickman (IGP, 2010)
 Seth Villareal (IGP; 2009)
 Eva Broeckelmann (IGP; 2007)
 Kavitha Surendhran (IGP, 2006)
 Michelle Guney (IGP; 2006)
 Brett English (IGP; 2003)
 Guoyan Liu (IGP; 2002)
 Michael Benneyworth (IGP; 2002)
 Steven Kudravi (IGP; 1992)
 Asit Parikh (MSTP; 1992)
 Christopher Rogers (IGP; 1997)
 Andy DeLaPaz (IGP; 1996)
 Abby Cheng (IGP; 1996)
 Candace Coolidge (IGP; 1994)
 Ryoma Ohi (IGP; 1994)
 Hsin Chu (IGP; 1993)
 Scott Blackman (MSTP; 1992)

IGP, Interdisciplinary Graduate Program; MSTP, Medical Scientist Training Program; IBR, Introduction to Biomedical Research; QCB, Quantitative and Chemical Biology

Dissertation committees:

Student Name	Faculty Mentor	Department/TrainingProgram	Graduation Year
Alexis Jameson	Grueter	Neuroscience	2023
Olivia Cox	McMahon	Neuroscience	
Justin Avila	Southard-Smith	Neuroscience	
Suil Kim	McMahon	Neuroscience	2023
Michael Tackenburg	McMahon	Neuroscience	2018
Francis Hickman	Carter	Neuroscience	2017
Mahesh Rao	Patton	Biological Sciences	2016
Alexander Nackenoff	Blakely	Pharmacology	2016
Ryan Ceddia	Breyer	Pharmacology	2015
Preston Campbell	Elefteriou	Pharmacology	2012
Kamya Rajaram	Patton	Biological Sciences	2014
Andrew Folkmann	Wente	Cell & Developmental Biology	2014
Lisa Murphy	George	Pharmacology	2014
Charles Martinez	Dermody	Pathology	2012
Megnan Tian	Macdonald	Pharmacology	2012
Lynley Pound	O'Brien	Molecular Physiology & Biophysics	2011
Erin Ciampa	George	Pharmacology	2011
Nathan Mundell	Labosky	Pharmacology	2011
Morgan Sammons	Link	Biological Sciences	2010
Mica Bergman	Levitt	Neuroscience	2010
Erin McArdle	George	Neuroscience	2010
Sean Carmody	Wente	Cell & Developmental Biology	2010

Elizabeth Thatcher	Patton	Pharmacology	2010
Nan Li	Patton	Biological Sciences	2010
Lisa Murphy	George	Pharmacology	2009
Brooke Blairanne Williams	Carter	Neuroscience	2009
Yuanfeng Xia	Zweibel	Biological Sciences	2008
Nusrat Shariat	Patton	Biological Sciences	2008
Lauren Manderfield	George	Pharmacology	2008
Amanda Solis	Patton	Biological Sciences	2008
Alex Flynt	Patton	Molecular Biology	2007
Ronald Chandler	Mortlock	Molecular Physiology & Biophysics	2007
Sameer Chopra	Roden	Pharmacology	2007
Efrain Garcia	Sanders-Bush	Pharmacology	2006
Barry Crawford	Patton	Biological Sciences	2006
Ian Hawkins	Patton	Molecular Biology	2006
Michael Benneyworth	Sanders-Bush	Pharmacology	2006
Joy Marlo (Purdy)	Wadzinski	Pharmacology	2006
Dale Lamar	Kesterson	Molecular Physiology & Biophysics	2006
Sarah Owens	Southard-Smith	Neuroscience	2005
Harris Smith	Vaughan	Pharmacology	2005
Hugh Fentress	Sanders-Bush	Pharmacology	2005
Arlene Kray	Wadzinski	Pharmacology	2005
Leigh Compton	Barnett	Pharmacology	2005
Regina Myers	Sanders-Bush	Pharmacology	2005
Eric Ward	Desai	Pharmacology	2005
Erik Musiek	Morrow	Pharmacology	2005
Jay Desgrosellier	Barnett	Pharmacology	2004
Lisa Hazelwood	Sanders-Bush	Pharmacology	2004
Robin Ryther	Patton	Molecular Biology	2004
Kim Petrie	Deutch	Pharmacology	2004
Hilary Nichols (Highfield)	Limbird	Pharmacology	2004
Ashley Brady	Limbird	Pharmacology	2003
Erin Mcardle	George	Pharmacology	2003
Harold Olivey	Barnett	Pharmacology	2003
Lori McGrew	Sanders-Bush	Pharmacology	2002
Chris Rogers	George	Pharmacology	2002
Jennifer Gentry	Carter	Neuroscience	2002
John Schoenhard	Vaughan	Pharmacology	2002
Franklin Mullins	Balser	Pharmacology	2002
Erika Nurmi	Sutcliffe	Neuroscience	2002
Ray Price	Sanders-Bush	Pharmacology	2001
Greg Gerdeman	Lovinger	Pharmacology	2001
Erika Adkins (Camp)	Blakely	Pharmacology	2001
Erin Reich	Montine	Pharmacology	2001
Andrew Tapper	George	Pharmacology	2001
Rodrigo Alberto Correa Rojas	Rosenthal	University of Puerto Rico, Neurobiology	2001
Eleanor McCarthy	Phillips	Biochemistry	2000
Daron Barnard	Patton	Biological Sciences	2000
Michelle Grundy	Dermody	Microbiology & Immunology	2000
Billy Dye	Patton	Molecular Biology	2000
Mark Rosenblatt	Dickerson	University of Miami, Biochemistry	2000
Andrea Bauman	Blakely	Pharmacology	2000
Raymond Seely	Patton	Molecular Biology	1999
Joy Marlo (Purdy)	Desai	Pharmacology	1999

Peng Rui	Patton	Molecular Biology	1999
Candace Coolidge	Patton	Molecular Biology	1999
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