

*Curriculum Vitae*  
**Randy Dean Blakely, Ph.D.**

Stiles-Nicholson Brain Institute  
Rm 208G, MC-22  
Florida Atlantic University  
Jupiter, FL 33458  
rblakely@health.fau.edu  
<http://www.blakelylab.org>

**BIRTHPLACE**

Columbus, Georgia (Feb 6, 1959)

**EDUCATION**

**High School**

Jordan Vocational High School, Columbus, GA, *Valedictorian* 1973-1977

**Undergraduate**

Emory University, Atlanta, GA 1977-1981  
Major: Philosophy *summa cum laude*: Thesis Advisor, James Gouinlock  
Minors: Physics, Chemistry

Undergraduate Research:

James Herndon, Yerkes Regional Primate Research Center  
*Primate Social Behavior and Endocrinology*

Raymond DuVarney, Department of Physics

*Microcomputer Amperometry Interface Fabrication*

Joseph Justice, Department of Chemistry, and Daryll Neill, Department of Psychology

*In Vivo Neurochemical Analysis of Psychotropic Drug Action*

Aegean School of Classical Studies, Paros, Greece 1980

**Graduate Training**

Emory University, Atlanta, GA 1981-1983  
Masters Program, Department of Biology

Cold Spring Harbor 1982  
Advanced Neuroanatomical Techniques Short Course

The Johns Hopkins Univ. School of Medicine, Baltimore, MD 1983-1987  
Doctoral Program in Neuroscience:  
Ph.D. Thesis Adviser: Dr. Joseph T. Coyle  
Thesis: *The Neurobiology of N-acetyl-aspartyl-glutamate (NAAG)*

**Postdoctoral Training**

HHMI/Yale University School of Medicine, New Haven, CT 1987-1990  
Postdoctoral Advisor: Dr. Susan Amara  
Research Topic: *Expression Cloning of Neurotransmitter Transporters*

## PROFESSIONAL APPOINTMENTS

|  |              |
|--|--------------|
| Assistant Professor, Anatomy and Cell Biology, Emory Univ. SOM   | 1990-1994    |
| Assistant Professor of Psychiatry and Behavioral Sciences, Emory Univ. SOM   | 1993-1994    |
| Assistant Professor of Physiology, Emory Univ. SOM   | 1993-1994    |
| Associate Professor of Anatomy and Cell Biology, Emory Univ. SOM   | 1994-1995    |
| Associate Professor of Pharmacology, Vanderbilt University SOM   | 1995-1998    |
| Director, Vanderbilt Center for Molecular Neuroscience   | 1996-2011    |
| Professor of Pharmacology, Vanderbilt University SOM   | 1998-2016    |
| Director, NIMH Cellular & Molecular Neuroscience Training Program  | 1999-2001    |
| Director, Vanderbilt/NIMH Postdoctoral Training Program in Functional Neurogenomics                                | 2002-2016    |
| Professor of Psychiatry, Vanderbilt School of Medicine   | 2004-2016    |
| Director, Vanderbilt Brain Institute (Interim)   | 2006-2007    |
| Director, Vanderbilt/NIMH Silvio O. Conte Center for Basic Neuroscience Research                                   | 2007-2017    |
| Professor, Department of Biomedical Science, Charles E. Schmidt College of Medicine<br>Florida Atlantic University | 2016-present |
| Executive Director, Florida Atlantic University Brain Institute  | 2016-2021    |
| Adjunct Professor of Neuroscience, The Scripps Research Institute (Florida)  | 2016-present |
| Training Faculty, Integrative Biology - Neuroscience (IB-NS), FAU  | 2016-present |
| Training Faculty, International Max Planck Research School (IMPRS) Program   | 2016-present |
| Executive Director, Stiles-Nicholson Brain Institute   | 2021-present |
| Director, Florida Atlantic University Neuroscience Graduate Program  | 2022-present |

## DISTINCTIONS/AWARDS

|   |           |
|---|-----------|
| National Merit Scholar  | 1977-1981 |
| John Gordon Stipe Scholar   | 1977-1981 |
| Macy Fellowship for Foreign Study   | 1981      |
| Rhodes Scholarship Finalist   | 1981      |
| Rotary Scholar  | 1981      |
| <i>Phi Beta Kappa</i>   | 1981      |
| <i>Sigma Xi</i> Research Award  | 1982      |
| Woodruff Neuroscience Investigator  | 1990      |
| Mallinckrodt Young Investigator Award                                       | 1991-1994 |
| Charles Judson Herrick Award, American Association of Anatomists            | 1992      |
| Allan D. Bass Endowed Chair in Pharmacology                                 | 1995-2016 |
| Established Investigator Award, NARSAD                                      | 1996      |
| Daniel H. Efron Award for Research, ACNP                                    | 1999      |
| Charles R. Park Prize for Basic Research                                    | 2003      |
| Distinguished Investigator Award, NARSAD                                    | 2005      |
| Zenith Award, Alzheimer's Association                                       | 2005      |
| Julius Axelrod Award, ASPET   | 2008      |
| Astellas Award in Translational Pharmacology, ASPET                         | 2008      |
| F. Peter Guengerich Award for Postdoctoral Mentoring                        | 2009      |
| Fellow, American Association for the Advancement of Science                 | 2009      |
| Vanderbilt Chancellor's Award for Research                                  | 2013      |
| Delores C. Shockley Partnership Award for Minority Research Mentorship      | 2015      |
| Fellow, National Academy of Inventors                                       | 2017      |
| Southeastern University Research Association Distinguished Researcher Award | 2019      |
| Lifetime Achievement Award in STEM Education, Cox Science Center            | 2019      |
| David J. S. Nicholson Distinguished Professorship in Neuroscience           | 2021      |
| Science Educator Award, Society for Neuroscience                            | 2022      |

## **PATENTS AWARDED AND PENDING**

1. Norepinephrine Transporter cDNA (Yale/Vollum Inst) International Patent# WO1992/017568
2. Serotonin Transporter cDNA (Emory/Duke) US Patent# 5,418,162
3. Proline Transporter cDNA (Emory/Duke) US Patent# 5,580,775
4. Proline Transporter Polypeptides and Antibodies (Emory/ Duke) US Patent# 5,759,788
5. *C. elegans* Dopamine Transporter sequence (Vanderbilt) U.S. Patent # 6,596,512
6. Genetic Mutation Underlying Orthostatic Intolerance and Diagnostic and Therapeutic Methods Relating Thereto, (Vanderbilt) US Patent # 7,094,532
7. Assay for Dopamine Neuron Viability using *C. elegans*, (Vanderbilt) US Patent# 6,894,205
8. Assays for Novel Serotonin Transporter (SERT) Blockers, (Vanderbilt) US Patent# 7,439,039
9. Human Choline Transporter cDNA, (Vanderbilt), US Patent #7,338,799
10. Fluorescent Uptake Assay for Monoamine Neurotransmitters Transporters, (Vanderbilt), US Patent#7,318,917
11. Fluorescent Substrates for Neurotransmitter Transporters, (Vanderbilt), US Patent# 8,647,827 B2
12. Methods for Identifying Treatments that Reduce the Actions of Drugs of Abuse (FAU) US Patent #11693005
13. Methods for Identifying MBLAC1-Dependent Molecular Networks (FAU) Non Provis Pat App, PTO 6818-319
14. Composition and Methods Targeting SWIP-10 and MBLAC1 for the Therapeutic Modulation of Copper Dyshomeostasis, PCT/US23/33510

## **PROFESSIONAL SOCIETIES / AFFILIATIONS**

Investigator, Vanderbilt Brain Institute  
Investigator, Vanderbilt Institute of Chemical Biology  
Investigator, Vanderbilt University Diabetes Center  
Investigator, Vanderbilt University Autonomic Dysfunction Center  
Investigator, Vanderbilt University Kennedy Center  
Member, American Association for the Advancement of Science  
Member, Society for Neuroscience  
Member, American Society for Pharmacology and Experimental Therapeutics  
Member, American Society of Human Genetics  
Member, International Society for Psychiatric Genetics  
Member, International Brain and Behavior Society  
Member, Middle Tennessee Chapter, Society for Neuroscience  
Member, Scientific Council, Brain and Behavioral Research Foundation  
Member, Genetics Society of America  
Member, NIMH Board of Scientific Counselors  
Chair, NIMH Board of Scientific Counselors  
Member, National Advisory Mental Health Council  
Elected Fellow, American Association for the Advancement of Science  
Elected Fellow, American College of Neuropsychopharmacology  
Elected Member, Dana Alliance for Brain Initiatives  
Member, Psychoneuroimmunology Research Society  
Elected Fellow, National Academy of Inventors  
Member, Scientific Advisory Board, The Brain Foundation  
Member, Research Advisory Committee, Mind, Music, Movement Foundation ((M3F)  
Member, Scientific Advisory Board, Children's Hospital of Los Angeles

## **INDUSTRY CONSULTING AND CONTRACTS**

|   |           |
|---|-----------|
| Forest Research Institute                             | 2004-2010 |
| Wyeth Women's Health Research                         | 2004-2007 |
| Lundbeck Psychopharmacology Scientific Advisory Board | 2005-2015 |
| Jubilant Innovation                                   | 2008-2010 |

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| Amgen                        | 2012-2013 |
| Neuroscience Detective/Prexa | 2013-2014 |
| Lundbeck                     | 2013-2015 |
| Pfizer                       | 2015      |

## **ACADEMIC COMMITTEES/SYMPOSIA AND MEETING ORGANIZATION**

|   |              |
|---|--------------|
| Emory Departmental 5-Yr Planning Committee  | 1992         |
| Emory Faculty Search Committee  | 1992-1995    |
| Emory Neuroscience Graduate Admissions Committee  | 1992-1995    |
| Executive Committee, Atlanta Chapter Society for Neuroscience   | 1992-1995    |
| Symposium Committee, Atlanta Chapter Society for Neuroscience   | 1992-1995    |
| Scientific Advisory Board, Brain & Behavior Research Foundation   | 1994-present |
| Steering Committee, Vanderbilt Cellular & Molecular Neuroscience Training Program                         | 1995-2000    |
| Task Force on Basic Research Initiatives, Vanderbilt University   | 1996-1997    |
| Animal Care Administrative Review Committee, Vanderbilt University  | 1997         |
| Neuroscience Ph.D. Curriculum Committee, Chair  | 1997-2011    |
| Internal Advisory Board, Vanderbilt PPG on Cardiovascular Function  | 1997-2002    |
| Vice-Chair, Catecholamine Gordon Conference   | 1999         |
| Search Committee, Vanderbilt Kennedy Center Director  | 2000-2001    |
| Pharmacology Faculty Promotions Committee, Vanderbilt University  | 2000-2016    |
| Search Committee, Neurology Department Chairman, Vanderbilt University                                    | 2000-2002    |
| Search Committee, Center for Child Development Director   | 2001-2002    |
| Chair, Catecholamine Gordon Conference  | 2001         |
| Strategic Academic Planning Committee, Vanderbilt University  | 2001-2002    |
| Pharmacology Executive Advisory Committee, Vanderbilt University  | 2001-2016    |
| Society for Neuroscience Chapters Committee   | 2001-2004    |
| External Advisory Committee, Chair, COBRE LSU Neuroscience Center   | 2003-2009    |
| Vanderbilt Graduate Faculty Council   | 2003-2005    |
| RIMI External Advisory Committee, Tennessee   | 2004-2009    |
| Vanderbilt Conference: Frontiers in Addiction Biology, Co-Organizer                                       | 2004         |
| Vanderbilt Conference: Pharmacogenomics, Co-Organizer   | 2004         |
| Chair, Aravind Babu Lectureship in Membrane Biology Committee   | 2004-2008    |
| ACNP Awards & Honors Committee  | 2004         |
| Systems Genetics Group External Advisory Board, Oak Ridge National Laboratory                             | 2007         |
| Board of Scientific Counselors, NIMH Intramural Program – Adhoc Member                                    | 2007-2008    |
| Search Committee, Chair, Vanderbilt Brain Institute Director  | 2007         |
| Communications Committee, Basic Science Strategic Plan, Vanderbilt SOM                                    | 2007         |
| Tennessee Alzheimer's Disease Task Force  | 2007         |
| Society of Neuroscience, Peter and Patricia Gruber International Research Award in Neuroscience Committee | 2008-2011    |
| NIMH Council Workgroup on Research Training   | 2008         |
| Vanderbilt Task Force on Graduate Education   | 2008-2009    |
| NIMH T32 Study Section Panel  | 2008         |
| Vanderbilt Executive Faculty Committee  | 2008-2011    |
| University of Montana Neuroscience Center, External Advisory Board  | 2008-2010    |
| Addiction Research Center, UTMB Galveston, External Advisory Board  | 2008-present |
| Provost's Graduate Education Task Force Committee, Vanderbilt University                                  | 2008-2009    |
| NIMH, Board of Scientific Counselors, full member   | 2010-2012    |
| NIMH, Board of Scientific Counselors, Chair   | 2012-2014    |
| ACNP Program Committee  | 2009-2014    |
| ACNP Annual Meeting Program Co-Chair  | 2011-2012    |
| ACNP Annual Meeting Chair   | 2012-2013    |
| Research Enterprise Communications Advisory Committee, Vanderbilt University                              | 2009-2012    |

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| ASPET Julius Axelrod Award Committee   | 2009-2012    |
| Vanderbilt Discovery Lecture Series Steering Committee                           | 2010-2012    |
| Vanderbilt Neuroscience Visions Committee  | 2011         |
| Blakemore Chair Appointment Committee, Vanderbilt University                     | 2011         |
| Burry Chair Selection Committee, Vanderbilt University                           | 2010-2011    |
| Psychiatric Disorders Chair Search Committee, Vanderbilt University              | 2012         |
| Release & Reuptake Theme Committee, 10th International Catecholamine Symposium   | 2012         |
| Dana Alliance for Brain Initiatives, Member                                      | 2012-present |
| Neurobiology of Autism, Neuroscience School of Advanced Studies, Course Director | 2012         |
| Delaware COBRE Center for Neuroscience Research, External Advisory Board         | 2013-2016    |
| Brain In Flux ISN Satellite Conference, Co-Organizer                             | 2013, 2015   |
| UC Davis Neuroscience Graduate Program, External Advisory Board                  | 2013-2016    |
| University Alabama Birmingham Comprehensive Neuroscience Center, Advisory Board  | 2013-present |
| Emory University Conte Center for Oxytocin and Social Cognition, Advisory Board  | 2013-present |
| Pharmacology Ph.D. Qualifying Exam Committee (Chair)                             | 2014-2016    |
| Biomedical Science Research Space Committee                                      | 2016-2017    |
| Psychology Chair Search Committee, ex officio                                    | 2016         |
| ACNP Program Committee, Member   | 2017-2019    |
| Integrative Biology Graduate Program Executive Committee                         | 2017-present |
| National Advisory Mental Health Council  | 2017-2021    |
| FAU College of Medicine Strategic Planning Committee                             | 2017         |
| FAU Psychology Department Faculty Search Committee ( <i>ex officio</i> )         | 2017-2018    |
| FAU Jupiter Coordination Council (JCC)   | 2017-present |
| Director, FAU Graduate Training Program in Neuroscience                          | 2017-present |
| FAU Technology Review, Advisory and Innovation Committee (TRAIC)                 | 2017-present |
| Palm Health Foundation Brain Health Advisory Committee                           | 2017-present |
| FAU Research Core Committee (RCoC)   | 2017-present |
| Human Brain Exhibit Advisory Committee, South Florida Science Center & Aquarium  | 2016-2019    |
| University of Michigan Udall Parkinson's Disease Center of Excellence            | 2018-2020    |
| FAU Jupiter Strategy and Budget Committee  | 2019-present |
| BRAIN Initiative Multi-Council Working Group (MCWG) NIMH Representative          | 2020-2021    |
| AAAS Electorate Nominating Committee   | 2021-present |
| FAU John D. MacArthur Campus Strategic Planning Task Force                       | 2021         |
| Children's Hospital of Los Angeles, Scientific Advisory Board                    | 2024-present |
| Ryan Licht Sang Bipolar Foundation, Medical Board                                | 2024-present |

## **FACULTY MENTORING ACTIVITIES**

|   |              |
|---|--------------|
| Eugenia Gurevich, Mentoring Committee (Vanderbilt Pharmacology)       | 2005-2012    |
| Claus Schneider, Mentoring Committee (Vanderbilt Pharmacology)        | 2006-2012    |
| Maureen Hahn, K01 Award Mentor (Vanderbilt)                           | 2006-2011    |
| Gregg Mathews, K08 Award Mentor Vanderbilt                            | 2007-2009    |
| Gregg Stanwood, Mentoring Committee (Vanderbilt Pharmacology, Chair)  | 2007-2014    |
| Peter Hedera, Mentoring Committee (Vanderbilt Neurology)              | 2007-2012    |
| Maureen Hahn, Mentoring Committee (Vanderbilt Genetic Medicine)       | 2008-2014    |
| Jeremy Veenstra-VanderWeele, K08 Award Mentor (Vanderbilt Psychiatry) | 2008-2013    |
| Qi Zhang, Mentoring Committee (Vanderbilt Pharmacology, Chair)        | 2010-2016    |
| Jennifer Blackford, Mentoring Committee (Vanderbilt Psychiatry)       | 2010-2016    |
| David Weaver, Mentoring Committee (Vanderbilt Pharmacology)           | 2011-2016    |
| Carrie Jones, Mentoring Committee (Vanderbilt Pharmacology)           | 2011-2016    |
| Claudia Rodrigues, Mentoring Committee (FAU Dept Biomedical Science)  | 2021-present |

## **TEACHING EXPERIENCE**

|   |           |
|---|-----------|
| Undergraduate Teaching Assistant, Astronomy, Emory University | 1978-1981 |
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|---|--------------|
| Graduate Teaching Assistant, Biology Department, Emory University                   | 1981-1983    |
| Graduate Teaching Assistant, Medical and Graduate Neuroanatomy, JHU SOM             | 1984         |
| Postgraduate Teaching Assistant, Advances in Cell Biology, Yale SOM                 | 1990         |
| Developmental Neurobiology, Lecturer, Emory SOM                                     | 1991-1994    |
| Molecular Neurobiology, Course Director, Emory SOM                                  | 1992-1995    |
| Ion Channel Regulation, Lecturer, Emory SOM   | 1992-1995    |
| Neurobiology Laboratory, Lecturer, Emory College of A&S                             | 1992-1995    |
| Introductory Biophysics, Teaching Faculty, Emory SOM                                | 1992-1995    |
| Molecular Cloning of Neural Genes, Lecturer, Cold Spring Harbor                     | 1992-1994    |
| Medical Neuroscience, Lecturer, Emory School of Medicine                            | 1993-1995    |
| Pharmacology Graduate Seminar Course Director, Vanderbilt University SOM            | 1995-1996    |
| Pharmacological Techniques and Instrumentation, Lecturer, Vanderbilt University SOM | 1995-1996    |
| IGP Neurobiology, (BioRegulation II), Lecturer, Vanderbilt University SOM           | 1996-2010    |
| Excitable Membranes, Lecturer, Vanderbilt University School of Medicine             | 1996         |
| Cellular & Molecular Neuroscience (NURO 345), Course Director Vanderbilt            | 1996-2007    |
| Special Topics in Neuroscience, Lecturer, Vanderbilt SOM                            | 1996         |
| Advanced Molecular Neuroscience (NURO 346), Course Director, Vanderbilt SOM         | 1998-2005    |
| Biological Basis of Mental Illness (NSC 235), Lecturer, Vanderbilt College of A&S   | 2002-2016    |
| Pharmacology Targets (PHARM 320, 325), Vanderbilt SOM                               | 2002-2007    |
| Advanced Molecular Neuroscience, Lecturer, (NURO 346) Vanderbilt SOM                | 2005-2016    |
| Human Genetics (HGEN 340), Lecturer, Vanderbilt SOM                                 | 2005-2012    |
| Neurogenetics (NURO 376), Lecturer, Vanderbilt University SOM                       | 2006-2012    |
| Cellular & Molecular Neuroscience (NURO 345), Lecturer Vanderbilt SOM               | 2007-2016    |
| Neuroscience Foundations (NURO 325), Lecturer                                       | 2005-2016    |
| Neural Diseases (NURO 366), Lecturer, Vanderbilt SOM                                | 2008-2012    |
| Methods of Research in MRDD (PSY 325), Vanderbilt Peabody School of Education       | 2008         |
| Brain and Behavior for Medical Students, Lecturer, Vanderbilt University SOM        | 2009-2010    |
| Genetics of Model Organisms (CBio/HGen 349), Lecturer, Vanderbilt University SOM    | 2009-2012    |
| Neurobiology of Autism Spectrum Disorders, Course Director, San Quirico d'Orcia     | 2012         |
| Neurobiology of Addiction, Course Director or Lecturer                              | 2012-2016    |
| Neuroscience Seminar Series, Director   | 2016-2022    |
| Advanced Psychopathology, FAU School of Social Work, Lecturer                       | 2017         |
| Integrative Biology (BSC 6390-001), GNTF Lecturer                                   | 2018         |
| Science of Addiction (BSC 4930-10H), Lecturer                                       | 2018-present |
| FAU Center for Autism and Related Disabilities (CARD) Autism Training Program       | 2019         |
| Advanced Cell and Molecular Neuroscience 1 (PSB 6345-001), Lecturer                 | 2019-present |
| Advanced Systems Neuroscience   | 2023-present |
| Graduate Neuroscience Training Program Bootcamp Program Lecturer                    | 2021         |
| Criminology & Criminal Justice-Virtual Community of Learners                        | 2022         |
| Neuroscience Graduate Program Bootcamp Program Lecturer                             | 2022-present |

## **UNDERGRADUATE HONORS, MASTERS AND DOCTORAL COMMITTEES**

|  |           |
|--|-----------|
| 1. Aurora Isaac, Emory Neuroscience PhD            | 1992-1995 |
| 2. Nelson Oyesiku, Emory Neuroscience PhD          | 1992-1995 |
| 3. John Vanchiere, Emory Neuroscience PhD          | 1992-1995 |
| 4. Caroline Reich, Emory Neuroscience PhD          | 1992-1994 |
| 5. Amanda Smith, Emory Chemistry PhD               | 1994      |
| 6. Leigh MacMillan, Vanderbilt Pharmacology PhD    | 1995-1996 |
| 7. Jonathan Lu, Vanderbilt Pharmacology PhD        | 1995-1996 |
| 8. Julie Zaucha, Vanderbilt Pharmacology PhD       | 1995-1996 |
| 9. Christina Peterson, Vanderbilt Pharmacology PhD | 1996-2000 |
| 10. Matthew Wilson, Vanderbilt Pharmacology PhD    | 1997-2000 |
| 11. Angela Winnier, Vanderbilt Cell Biology PhD    | 1997-2000 |

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| 12. | Mike Chang, Vanderbilt Pharmacology PhD                              | 1997-2000 |
| 13. | Nicole Schramm, Vanderbilt Pharmacology PhD                          | 1997-2001 |
| 14. | Brent Thompson, Vanderbilt Neuroscience PhD                          | 1999-2005 |
| 15. | Scott Ramsey, Vanderbilt Pharmacology PhD                            | 2000-2001 |
| 16. | Christopher Sansam, Vanderbilt Pharmacology PhD                      | 2000-2003 |
| 17. | Kim Petrie, Vanderbilt Pharmacology PhD                              | 2000-2004 |
| 18. | Robert Carson, Vanderbilt Pharmacology PhD                           | 2000-2002 |
| 19. | Lisan Parker, Vanderbilt Pharmacology PhD                            | 2000-2004 |
| 20. | Scott Adams, Vanderbilt Physics PhD                                  | 2000-2003 |
| 21. | Christoph Lossin, Vanderbilt Neuroscience PhD                        | 2000-2003 |
| 22. | Andrew Tapper, Vanderbilt Pharmacology PhD                           | 2000-2002 |
| 23. | Lisa Hazelwood, Vanderbilt Pharmacology PhD                          | 2001-2005 |
| 24. | Jamie McConnel, Vanderbilt Pharmacology PhD                          | 2001-2008 |
| 25. | Hilary Highfield, Vanderbilt Pharmacology PhD                        | 2001-2005 |
| 26. | Steve von Stetina, Vanderbilt Cell Biology PhD                       | 2001-2006 |
| 27. | Zhaolin Hua, Vanderbilt Biology PhD                                  | 2001-2003 |
| 28. | Elaine Merrill, Vanderbilt Neuroscience PhD                          | 2000-2004 |
| 29. | Joel Schwartz, Vanderbilt Neuroscience PhD                           | 2000-2004 |
| 30. | Kelie Reece, Vanderbilt Pharmacology PhD                             | 2001-2009 |
| 31. | Andrew Lundquist, Vanderbilt Pharmacology PhD                        | 2001-2005 |
| 32. | William Siesser, Vanderbilt Neuroscience PhD                         | 2001-2006 |
| 33. | Hugh Fentress, Vanderbilt Neuroscience PhD                           | 2001-2005 |
| 34. | Jamie McConnel, Vanderbilt Pharmacology PhD                          | 2001-2008 |
| 35. | Kristina Patterson, Vanderbilt University Undergraduate              | 2002-2003 |
| 36. | Efrain Garcia, Vanderbilt Pharmacology PhD                           | 2003-2007 |
| 37. | Regina Myers, Vanderbilt Pharmacology PhD                            | 2003-2006 |
| 38. | Joseph Watson, Vanderbilt Neuroscience PhD                           | 2002-2008 |
| 39. | Nicole Garbarini, Vanderbilt Neuroscience PhD                        | 2002-2008 |
| 40. | Xueying (Sharon) Liang, Vanderbilt SOM                               | 2004-2009 |
| 41. | Uade Da Silva, Vanderbilt Neuroscience PhD                           | 2004-2010 |
| 42. | Brandon Lute, Vanderbilt Neuroscience PhD                            | 2004-2008 |
| 43. | Jennifer Ayala, Vanderbilt Pharmacology PhD                          | 2005-2008 |
| 44. | Bonnie Garcia, Vanderbilt Neuroscience PhD                           | 2005-2010 |
| 45. | Erica Bowton, Vanderbilt Neuroscience PhD                            | 2005-2009 |
| 46. | Yang Geng, Vanderbilt Neuroscience PhD                               | 2006-2009 |
| 47. | Niranjana Vijaykrishnan, Vanderbilt Neuroscience PhD                 | 2006-2010 |
| 48. | Angela Shields, Vanderbilt MSTP Physiology                           | 2006-2009 |
| 49. | Rebecca Orndorff, Vanderbilt University, Chemistry Masters Committee | 2006-2009 |
| 50. | Molly Fricke, Pharmacology, Vanderbilt Neuroscience PhD              | 2006-2010 |
| 51. | Nicholas Campbell, Vanderbilt Neuroscience PhD                       | 2007-2013 |
| 52. | Sabrina Doughty, Vanderbilt Neuroscienc PhD                          | 2007-2011 |
| 53. | Guy Watkins, Vanderbilt Pharmacology PhD                             | 2007-2010 |
| 54. | Nicole Speed, Vanderbilt Pharmacology PhD                            | 2008-2010 |
| 55. | Jude James McElroy, Vanderbilt Physiology PhD                        | 2008-2010 |
| 56. | Kari Johnson, Vanderbilt Pharmacology PhD                            | 2008-2012 |
| 57. | Kelli Kazmier, Vanderbilt Physiology PhD                             | 2009-2013 |
| 58. | Ernesto Solis, Vanderbilt Pharmacology PhD                           | 2009-2013 |
| 59. | Rachel Lippert, Vanderbilt Physiology PhD                            | 2010-2014 |
| 60. | Ericka Smith, Fisk University Masters Program                        | 2011-2012 |
| 61. | Michael Nedelcovych, Vanderbilt Pharmacology PhD                     | 2012-2015 |
| 62. | Yun Young (Susan) Yim, Vanderbilt Pharmacology PhD                   | 2013-2017 |
| 63. | Tyne Miller, Vanderbilt Neuroscience PhD                             | 2013-2017 |
| 64. | Elaine Ritter, Vanderbilt Neuroscience PhD                           | 2013-2017 |

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| 65. | Melanie Brady, Fisk University Masters Program                 | 2013-2014    |
| 66. | Xiaohan Wang, Vanderbilt Neuroscience PhD                      | 2013-2014    |
| 67. | Claire DeBove, Vanderbilt Pharmacology PhD                     | 2013-2014    |
| 68. | Erica Tross, Fisk University Masters Program                   | 2013-2014    |
| 69. | Hussain Jinnah, Vanderbilt Pharmacology PhD Program            | 2013-2021    |
| 69. | Emily Ross, Vanderbilt University Chem Biol PhD                | 2013-2015    |
| 70. | Cody Wenthur, Vanderbilt Pharmacology PhD                      | 2013-2015    |
| 71. | Corey Roach, Fisk University Masters Program                   | 2014-2015    |
| 72. | Christopher Kooker, Vanderbilt Neuroscience (Honors, Carneiro) | 2014-2016    |
| 73. | Allyson Mallya, Vanderbilt Neuroscience PhD                    | 2015-2016    |
| 74. | Dylan Morrow-Jones, Vanderbilt Neuroscience PhD                | 2015-2016    |
| 75. | Stephanie Moore, Vanderbilt Pharmacology PhD                   | 2015-2016    |
| 76. | Julieta Di Mase, IB Masters Program                            | 2018-2019    |
| 77. | Bryan Conklin, Complex Systems & Brain Sciences PhD (FAU)      | 2017-2020    |
| 78. | Ke Zhang, IB-NS PhD (IMPRS, MPFI)                              | 2018-2020    |
| 79. | Neymi Mignocchi, IB-NS PhD (IMPRS, MPFI)                       | 2018-2020    |
| 80. | Amanda Kentner, IB-NS PhD (IMPRS, MPFI)                        | 2018-2020    |
| 81. | Claire Rice-Kuchera, Exp Psychology PhD (FAU)                  | 2018-2020    |
| 82. | Serena Sossi, IB-NS, Masters                                   | 2018-2019    |
| 83. | Lucas Thal, Chemistry PhD Program (Vanderbilt)                 | 2018-2020    |
| 83. | Johnson Odibit, Masters in Fine Arts                           | 2019         |
| 84. | Alaina Tillman, (FAU-Max Planck Honors Program)                | 2019-2020    |
| 85. | Danielle Riboul, IB PhD (FAU)                                  | 2020-2024    |
| 86. | Goksu Oz, IB-NS, PhD (FAU)                                     | 2020-present |
| 87. | Madeline Martinez, IB-NS, PhD (FAU)                            | 2021-present |
| 88. | Angelica Bodine, (FAU-Max Planck Honors Program)               | 2021-2022    |
| 89. | Brandon Hindman Exp Psychology, PhD (FAU)                      | 2021-2023    |
| 90. | Nuran Kocak, IB-NS, Ph.D (IMPRS, MPFI)                         | 2022-present |
| 91. | Maria Smirnova, IB-NS, PhD                                     | 2023-present |
| 92. | Anastasia Tyulmenkova, IB-NS, PhD                              | 2023-present |
| 93. | Haylee Mesa, IB, Ph.D.   | 2024-present |
| 94. | Yiwei Hua, IMPRS, Ph.S.  | 2024-present |

## EDITORIAL BOARDS

|  |           |
|--|-----------|
| Molecular Pharmacology, Field Editor             | 1995-2007 |
| Journal of Biological Chemistry, Editorial Board | 1999-2004 |
| <i>LENS</i> , Editorial Board                    | 2002-2008 |
| Neuropsychopharmacology, Field Editor            | 2002-2007 |
| Journal of Neuroscience, Editorial Board         | 2004-2009 |
| Molecular Pharmacology, Editorial Board          | 2007-2012 |
| Journal of Neurodevelopmental Disorders          | 2011-2020 |

## GRANT/PROGRAM REVIEWER

|  |              |
|--|--------------|
| Emory URC External Reviewer  | 1991-1995    |
| National Science Foundation External Reviewer                        | 1993         |
| NIDA Contract Reviewer for Biogenic Amine Transporter Drug Screening | 1994-1998    |
| NIDA K20/K21 Study Section Committee Member,                         | 1994         |
| NIDA DABR1 Study Section Ad Hoc Member,                              | 1995         |
| NIMH Molecular, Cellular, Developmental Neuroscience Study Section   | 1995-1998    |
| BBRF NARSAD Review Committee   | 2000-present |
| NIH F02A Fellowship Study Section                                    | 2002         |
| Alzheimer's Association  | 2004         |
| NIH Study Section NIMH T32 Training Grants                           | 2004         |



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|---|--------------|
| NIH Grant Reviewer  | 2004         |
| NIH/MDCN Special Emphasis Panel ZRG1                            | 2004         |
| NIMH Loan Repayment Program Study Section ZMH1 DEA-M (C8)       | 2005         |
| Cure Autism Now Grant Review, Los Angeles, CA                   | 2005         |
| Alzheimer's Association   | 2006         |
| NIH NTRC Study Section, Bethesda, MD                            | 2005-2006    |
| NINDS Intramural Review Group                                   | 2006         |
| NIMH Intramural Review Group                                    | 2007         |
| NIMH K99 Review Committee                                       | 2007         |
| NIDA K99 Study Section ADA1 JXR-D                               | 2008         |
| NIH ARRA Review Committee, Molecular and Cellular Neuroscience  | 2009         |
| NIMH Board of Scientific Counselors                             | 2010-2012    |
| NIMH Board of Scientific Counselors (Chair)                     | 2012-2014    |
| Comprehensive Neuroscience Center, UAB, External Advisory Board | 2013-present |
| NIMH National Advisory Mental Health Council                    | 2017-2021    |
| NIMH Genomics Workgroup, NAMHC                                  | 2017-2021    |
| Udall Center External Advisory Board, University of Michigan    | 2018-2022    |
| BRAIN Initiative Project Multi-Council Working Group            | 2020-2021    |
| NIMH Psychoactive Drug Screening Program, Committee (Chair)     | 2023-present |
| The Brain Foundation, Review Committee                          |              |

#### **INVITED PRESENTATIONS/SYMPOSIA**

1. American College of Neuropsychopharmacology Symposium on Neurotransmitter
2. Transporters as Psychotropic Drug Receptors, American College of
3. Neuropsychopharmacology Meeting, Maui, Hawaii, 1989.
4. Emory Woodruff Scholars, 1991
5. Emory University, Dept. Pediatrics, 1991
6. NIDA Symposium on Molecular Biology of Neurotransmitter Receptors and Transporters, NIH, Bethesda, Maryland, 1991.
7. The Johns Hopkins School of Medicine, Neuroscience Dept., 1991.
8. American College of Neuropsychopharmacology Panel Session on New Developments in Molecular Pharmacology, American College of Neuropsychopharmacology Annual Meeting, San Juan, Puerto Rico, 1991.
9. Chair, ASPET Symposium on Structure and Function of Neurotransmitter Transporters, Orlando, FL, 1992
10. Vanderbilt University Dept. Pharmacology, 1992.
11. MRC Molecular Biology Dept, Cambridge, England, 1992.
12. Neurobiology of Serotonin Symposium, XVIIIth C.I.N.P. Congress, Nice, France, 1992
13. Cold Spring Harbor Molecular Cloning of Neural Genes Short Course, 1992.
14. Gordon Conference on Hormone Action, 1992.
15. Society of General Physiologists Young Investigator Symposium, Woods Hole, MA, 1992.
16. Hahnemann University Program in Neurosciences, 1992
17. Medical College of Georgia, Dept. Biochemistry and Molecular Biology, 1993
18. Georgia State University, Dept. Biology, 1993.
19. Morehouse School of Medicine, Dept. Biochemistry, 1993
20. Baylor University, Dept. Physiology, 1993.
21. Physiological Regulation of Neurotransmitter Transporters Symposium, 14th International
22. Society for Neurochemistry Meeting, Montpellier, France, 1993.
23. ARNMD Symposium: Molecular Biology of Schizophrenia and Affective Disorders, 1993.
24. Porters Conference, Stowe Vermont, 1994.
25. Dept. Of Pharmacology, Yale School of Medicine, 1995.
26. 1st International Symposium on Neuroreceptor Mechanisms, Niigata Japan, 1995.
27. Vanderbilt, Dept. of Nephrology, 1995.

28. Vanderbilt Molecular Biophysics Department, 1996.
29. Substance Abuse Rounds, Vanderbilt University, 1996.
30. Vanderbilt Careers in Health Care Symposium, Science Outreach Program, 1996.
31. Bristol-Meyers Squibb, Pharmaceutical Research Institute, 1996.
32. University of Pennsylvania, Department of Pharmacology, 1997.
33. Case Western Reserve University, Dept. of Pharmacology, 1997.
34. Wyeth-Ayerst Research, 1997.
35. CPDD Symposium, Recent Progress in Transporter Research, 1997.
36. Gordon Conference on Structure & Dynamics of Receptors, Transporters and Ion Channels, 1997.
37. FASEB Summer Conference on Protein Mediators, July, 1997.
38. Dept. Of Physiology Retreat Speaker, University of North Carolina at Chapel Hill, 1997.
39. National Institute of Mental Health, NIH, Satellite Symposium, 1997.
40. A Decade of Serotonin Research, 1997.
41. Co-Chair, ASPET Symposium on Neurotransmitter Transporters, 1998.
42. Medical College of Wisconsin, 1998.
43. The University of Chicago, 1998.
44. Gordon Research Conference on Membrane Transporters: Physiological and Pathological Implications, 1998.
45. Oak Ridge National Laboratories, 1998.
46. Southeastern Pharmacological Society, 1998.
47. EU TMR Euroconference on Neuronal Transporters, 1998.
48. University of Alabama School of Medicine, 1998.
49. ACNP Meeting, Serotonin Gene Effects and Psychopathology, 1998.
50. Nanotechnology, Light, and Neuroscience, Vanderbilt University, 1999.
51. Vanderbilt Bench-to-Bedside Neuroscience Conference, 1999
52. Harvard Medical School, Department of Neurobiology, 1999.
53. Meharry University Medical School, 1999.
54. FASEB Summer Research Conference on Transporters of Amino Acids, Peptides, and Bioactive Amines: Structural, Functional, and Regulatory Aspects, 1999.
55. University of Heidelberg, Department of Pharmacology, 1999.
56. Catecholamine Gordon Conference (Co-Chair), 1999.
57. Sixth National Parkinson Foundation International Symposium on Parkinson's Disease Research, 1999.
58. University of Michigan, Department of Psychiatry, 1999.
59. Vollum Institute, 1999.
60. National Institute for Health, Model System Genomics Meeting, 1999.
61. Spring Brain Conference, Plenary Keynote Speaker, 2000.
62. Columbia University, Center for Molecular Recognition, 2000.
63. University of Colorado School of Medicine, Department of Pharmacology, 2000.
64. University of Cincinnati College of Medicine, Department of Molecular and Cellular Physiology, 2000.
65. Science Coalition, 2000.
66. Membrane Transport Gordon Conference, 2000.
67. Roche, 2000.
68. International Transporters Conference, 2000.
69. Mini Medical School, Vanderbilt University, 2000.
70. American Society for Human Genetics, 2000.
71. University of Pennsylvania, David Mahoney Institute of Neurological Sciences, 2000.
72. Biomedical Research Education & Training, Vanderbilt University, 2000.
73. University of Texas Health Sciences Center San Antonio, Department of Pharmacology, 2000.
74. Vanderbilt Conferences in Genomics, 2001.
75. Kansas University Medical Center, 2001.

76. Quantum Dot Corporation, 2001.
77. Catecholamine Gordon Research Conference, 2001.
78. Eli Lilly Pharmaceuticals, 2001.
79. Cold Spring Harbor Course on Cellular Biology of Addiction, 2001.
80. Pfizer Ann Arbor Laboratories, 2001.
81. Molecular Mechanisms of Synaptic Function, 2001.
82. Tennessee Mouse Genome Consortium Retreat, 2001.
83. FMC Corporation, 2002.
84. Medical University of South Carolina, 2002.
85. Erice International School of Biophysics, 2002.
86. Meharry Medical College Neuroscience Symposium, 2002.
87. International Symposium – Transporters, 2002.
88. John A. Oates Symposium in Experimental Therapeutics, 2002.
89. Columbia University, 2002.
90. University of Massachusetts Medical School, 2002.
91. University of Alabama School of Medicine, 2002.
92. European College of Neuropsychopharmacology (ECNP), 2002.
93. University of Tennessee Health Science Center, 2002.
94. University of California – San Francisco School of Pharmacy, 2003.
95. ASCPT Symposium, 2003.
96. Duke University, 2003.
97. Harvard Children’s Hospital 2003.
98. Johns Hopkins School of Medicine 2003.
99. University of North Dakota School of Medicine, 2003.
100. Wyeth, 2003
101. FASEB Conference, 2003.
102. Gordon Research Conference on Catecholamines (Co-Chair and Speaker), 2003.
103. Michigan State University, 2003.
104. University of Copenhagen/Panum Institute, 2003.
105. NIDA SFN Convention, 2003.
106. Society for Neuroscience Annual Meeting, 2003.
107. Tennessee Mouse Genome Consortium Meeting, 2003.
108. ASPET Julius Axelrod Symposium, 2004.
109. FASEB Meeting Seminar, 2004.
110. Vanderbilt University Lee Limbird Celebration, 2004.
111. Eli Lilly Corporation, 2004.
112. University of VT College of Medicine, 2004.
113. Wyeth, 2004.
114. Alfred Benzon Symposium, 2004.
115. Northwestern University School of Medicine, 2004.
116. Baylor College of Medicine, 2004.
117. Gordon Research Conference on Membrane Transport Proteins, 2004.
118. Roche, 2004.
119. CHADD International Conference, 2004.
120. Wyeth, 2005.
121. UT Southwestern, 2005.
122. Forsyth Institute, 2005.
123. Harvard Children’s Hospital, 2005.
124. University of Pennsylvania, 2005.
125. International School of Biophysics, Erice—Sicily, 2005.
126. Vanderbilt Board of Trust Retreat, 2005
127. Louisiana State University School of Medicine, 2005.
128. FASEB, Transport Biology Meeting, 2005.
129. GRC Catecholamine Conference (Chair), 2005.

130. NIDA Neuroscience Center, 2005.
131. UT Health Science Center San Antonio, 2005.
132. Neuropharmacology Conference, New Perspectives in Neurotransmitter Transporter Biology, 2005.
133. ARNMD Conference, Mt. Sinai Medical Center, 2005.
134. Meharry Medical College Psychiatry Grand Rounds, 2006.
135. Pfizer, 2006.
136. Jerome Sutin Memorial Symposium, 2006.
137. NINDS Neuroscience Seminar, 2006.
138. University of Montana College of Medicine, 2006.
139. China Institute of Neuroscience, 2006.
140. IUPHAR Meeting Plenary Lecture, 2006.
141. Gordon Research Conference on Membrane Transport Proteins, 2006.
142. ORNL Workshop on Human Diseases, 2006.
143. Johns Hopkins School of Medicine, 2006.
144. University of Georgia, 2006
145. Vanderbilt University, 3<sup>rd</sup> Annual Grant Wilkinson Lectureship in Clinical Pharmacology, 2007
146. Winter Conference on Brain Research (WCBR), 2007
147. University of North Carolina, Chapel Hill, 2007
148. East TN State University, 2007
149. Congress of the German Physiological Society, 2007
150. Society of Biological Psychiatry Meeting, 2007
151. Vanderbilt Science Educators Program, 2007
152. Amgen, 2007
153. IBRO World Congress, Symposium, 2007
154. Penn State Neuroscience Program, 2007
155. Emory University, Dept Pharmacology, 2007
156. World Congress Psychiatric Genetics, 2007
157. Vanderbilt Department of Pharmacology, Retreat Speaker, 2007
158. Lundbeck, US, 2007
159. Vanderbilt Medical Center Advisory Board, 2007
160. Vanderbilt Center for Structural Biology, 2007
161. University Michigan, Neuroscience Program, 2007.
162. The Surgeons' Travel Club Annual Meeting, 2007
163. Winter Brain Conference, 2008
164. Keystone Symposium on Autism, 2008
165. Stanford University, 2008
166. Catecholamine Club, 2008
167. Royal Society of London, 2008
168. Drexel University, 2008
169. Autism Center, University Illinois at Chicago, 2008
170. University of Pittsburgh, 2009
171. University of Kansas, 2009
172. University of Wisconsin, 2009
173. University of Montana Neuroscience Retreat Speaker, 2009
174. Biomedical Transporters Meeting, 2009
175. SFB35 Symposium, Speaker, 2009
176. University of Washington, 2009
177. Healthy Minds Across America Symposium, 2009
178. Winter Conference on Brain Research, Symposium on Dopamine Signaling, 2010
179. Banbury Conference on The Lateral Habenula: Its Role in Behavior and Psychiatric Disorders, 2010
180. NIMH Outreach Meeting, Speaker, 2010
181. Massachusetts Institute of Technology, 2010
182. University of Pennsylvania, 2010

183. Healthy Minds Across America Symposium, 2010
184. Annual Meeting of the Society of Biological Psychiatry, 2010
185. University of Montana Neuroscience Retreat Speaker, 2010
186. WorldPharma, 2010
187. Gordon Research Conference: Membrane Transport Proteins, 2010
188. Translational Medicine Research in Autism: Challenges and Opportunities, 2011
189. University of Georgia, 2011
190. University of Alabama School of Medicine, 2011
191. Synapses: From Molecules to Circuits & Behavior, Cold Spring Harbor Laboratory, 2011
192. University of Vermont, 2011
193. Case Western Reserve University, July 2011
194. Bonn Symposium (NRW International Graduate Research School, Biotech Pharma International Symposium), 2011
195. University of Texas Southwestern, 2011
196. Einstein College of Medicine, 2011
197. University of Southern California, 2011
198. University of West Virginia, 2011
199. Yale University, 2012
200. Case Western Reserve University Symposium, 2012
201. ASPET Symposium on Neurotransmitter Transporters, 2012
202. University of North Dakota, 2012
203. Gordon Research Conference on Membrane Transport, 2012
204. Serotonin Club, July 2012
205. Neurobiology of Autism Spectrum Disorders, NSAS, 2012
206. University of Southern California, Program in Neurobiology, 2013
207. University of California Davis Neuroscience Center, 2013
208. Texas A&M Institute of Neuroscience, 2013
209. University of California San Francisco, 2013
210. University of East Tennessee, Department of Psychiatry, 2013
211. University of East Tennessee, Department of Biomedical Sciences, 2013
212. Dopamine 2013 International Conference, Speaker, 2013
213. Catecholamine Gordon Conference on Transporters, 2013
214. Vanderbilt Conte Symposium, 2013
215. Sackler Conference, 2014
216. Harvard University, McLean Hospital Neuroscience, 2014
217. University of Arkansas, 2014
218. Oregon Primate Research Center, 2014
219. Gairdner Symposium, University of Alberta, 2014
220. National Institute of Mental Health, 2014
221. Emory University, Department of Pharmacology, 2014
222. ACNP, Panel Chair and Speaker, 2014
223. Sackler Conference, 2015
224. Pfizer UK, WebEx, 2015
225. Michigan State University, 2015
226. Experimental Biology, Symposium Chair, 2015
227. Montana State University, Speaker 2015
228. Tulane University, 2015
229. Scripps Florida, 2015
230. Pfizer Gene Family Conference, 2015
231. Middle Tennessee State University, 2015
232. Vanderbilt Kennedy Center Research Ethics Grand Rounds, 2015
233. International Society for Serotonin Research, Panel Chair and Speaker 2016
234. Dopamine 2016, Symposium Chair and Speaker, 2016
235. FAU Special Seminar, 2016

236. Complex Systems and Brain Sciences 31<sup>st</sup> Anniversary Symposium, 2016
237. SFB35 Symposium, 2016
238. Children's Hospital of Pennsylvania, 2016
239. Vanderbilt Silvio O. Conte Center, Symposium Speaker, 2016
240. Emory University, 2017
241. Biomedical Science Dept (Complex Trait Analysis), FAU College of Medicine, 2017
242. Brain in Flux Meeting, Meering Co-Chair and Speaker, 2017
243. University of Florida, 2017
244. School of Social Work, FAU, Advanced Psychopathology Class (Michael Kane), 2017
245. Leadership Palm Beach County, 2018
246. South Florida Science Center, West Palm Beach, 2018
247. University of Massachusetts Medical School, Worcester, 2018
248. David Robertson Symposium, Vanderbilt, 2018
249. Gordon Research Conference on Membrane Transport, 2018
250. International Society of Serotonin Research, 2018
251. South Florida Science Center Brain Night, 2018
252. Brain & Bites Seminar, Brainy Days Program, Florida Atlantic University 2018
253. Future of Brain Research Symposium, Florida Atlantic University, 2018
254. Children Services Council of Palm Beach County, 2018
255. Center for Child Counseling, 2018
256. Webinar on ADHD and Dopamine Genetics, Brain and Behavioral Research Foundation, 2018
257. Weizmann Institute, 2018
258. Gonda Multidispinary Brain Research Center, Bar Ilan University, 2018
259. Hadassah Medical Center, Hebrew University, 2018
260. Edmond & Lily Safra Center for Brain Sciences, Hebrew University, 2018
261. Sagol School of Neuroscience, Tel Aviv University, 2018
262. Old Palm Golf Club, 2018
263. Gordon Conference on Glial Biology, Ventura, CA 2019
264. Vanderbilt Brain Institute Special Lecture, 2019
265. Co-Convener, A Celebration of Gene Therapy in Florida: Roundtable, Romer Foundation, 2019
266. Ernie Els Center for Excellence, Brainy Days Program, Jupiter, FL 2019
267. Chamber of Commerce of the Palm Beaches, Science and Technology Committee, South Florida Science Center, 2019
268. Northwestern University, Department of Pharmacology, 2019
269. 16<sup>th</sup> International Symposium on Cholinergic Mechanisms, 2019
270. Williams island Community Lecture, 2019
271. Boca Raton Innovation Campus Lecture, 2019
272. Science on Tap, South Florida Science Center (cancelled due to COVID-19)
273. Wake Forest University, Department of Pharmacology, 2020
274. Synchrony Symposium, Brain Foundation, 2020
275. Palm Beach Roundtable, 2020
276. Palm Beach County, National Alliance for Mental Illness, 2020
277. Peking University, 2021
278. Brainy Days Community Education program, 2021
279. Florida Institute of Technology, 2021
280. Osher Life-Long Learning, Moderator Parkinson's Disease Program, 2021
281. Palm Beach North Chamber of Commerce, 2021
282. Brain Foundation Synchrony Meeting and Session Chair, 2021
283. Palm Health Foundation, 2021
284. BioFlorida, 2021
285. Leadership Palm Beach County, 2021
286. Autism Impact Fund, 2021
287. Faculty Feed, Biomedical Science, 2021
288. Georgetown University, Dept Pharmacology & Physiology, 2022

289. National Institute of Mental Health, 2022
290. Illinois State, Dept Pharmacology, 2022
291. Dopamine2022 Conference (lecture given by Felix Mayer due to R. Blakely absence), 2022
292. Membrane Transport Gordon Conference, Session Chair, Castelldefels, Spain, 2022
293. FAU New Horizons in Alzheimer's Disease and Related Disorders Symposium, Boca Raton, FL 2022
294. Brain Foundation Synchrony Meeting, Pleasanton, CA, 2022
295. FAU Brain Bowl Planning Meeting, Boca Raton, FL 2022
296. Brain in Flux Meeting, Gaia, Portugal, 2023
297. Brain Foundation Synchrony Meeting, Asilomar, 2023
298. Insights at the Institute, Host and Speaker, Jupiter SNBI, 2024
299. Research Refresh Meeting, FAU, Jupiter, 2024
300. Gordon Conference on Membrane Transport, 2024
301. Brain Foundation Synchrony Meeting, Asilomar, 2024

### **HONORARY/ENDOWED LECTURES**

1. BioMega Lecture, University of Montreal, Department of Pharmacology, 1993
2. State-of-the-Art Lecture, ASCPT 1996
3. Grass Lecturer, British Columbia Chapter of Society for Neuroscience, 1996
4. Joint Institute for Biological Sciences Colloquium, Keynote Speaker, 1999
5. Spring Brain Conference, Plenary Keynote Speaker, 2000
6. East Tennessee State University, Grass Lecturer, 2001
7. Vaughn Science Lecture, Belmont University, 2003
8. Inaugural Ray Fuller Lecturer in the Neurosciences, ASPET, 2005
9. George Hertting Celebration Lecturer, Medical University of Vienna, 2005
10. Ohio State University, Grass Lectureship, Columbus, Ohio, 2007
11. Chancellor's Award Lecture, Louisiana State University Science Center, 2007
12. ASPET Axelrod Lecture, New Orleans, April 2009
13. Alexander D. Kenny Memorial Lecturer, Texas Tech Univ School of Medicine, 2010
14. Eckerd College Senior Capstone Speaker, 2010
15. F.C. MacIntosh Endowed Lectureship, McGill University, Montreal, 2011
16. Robert M. Hearin Distinguished lectureship, University of Mississippi Medical School, 2013
17. Booney Vance Memorial Lecture, Quinlan College of Medicine, East Tennessee State Univ, 2013
18. UAB Comprehensive Neuroscience Center Retreat, Keynote Speaker 2013
19. SFB35 Symposium, Keynote Speaker, 2013
20. Brain In Flux ISN Satellite Meeting, Keynote Speaker, 2013
21. Cozart Heritage Lecture, Meharry Medical College, 2014
22. University of Montana Innovation and Imagination, Keynote Speaker, 2014
23. Founders Lecture, American Academy of Child & Adolescent Psychiatry, 2014
24. SFB35 Symposium, Plenary Lecturer, 2016
25. FAU Center for Autism and Related Disabilities Keynote Speaker, 2018
26. Palm Beach Roundtable, Invited Speaker, 2020
27. Building Biology in 3D Conference, Keynote Lecturer, 2021
28. Rilett Lecture, Illinois State University, 2022
29. International Transmembrane Transporter Society, Plenary Speaker, 2022
30. Community Foundation of Palm Beach and Broward Counties, Founders Keynote Speaker, 2023
31. Florida Consortium on the Neurobiology of Cognition, UF Scripps, Keynote Speaker, 2023
32. Palm Beach County Student Mental Health and Wellness Conference, Keynote Speaker, 2024

### **GRANT SUPPORT**

#### **Past**

1. **Emory University Research Council Award, PI**

|     |   |           |
|-----|---|-----------|
|     | Structural Analysis of the Plasma Membrane Monoamine Neurotransmitter Transporter Gene Family   | 1991-1992 |
| 2.  | <b>Edward J. Mallinckrodt Junior Faculty Merit Award</b>  | 1991-1994 |
| 3.  | <b>NIH/NIMH R01 DA07390, PI (Shifted to NIMH in 2004 as R01 MH094527)</b><br>Regulation of Serotonin Transporters   | 1991-2004 |
| 4.  | <b>NIH/NINDS R01 NS33373, PI</b><br>Molecular Analysis of Norepinephrine Transporters   | 1994-1998 |
| 5.  | <b>Children's Brain Disease Foundation Award</b><br>Molecular Biology of Creatine Transport   | 1993-1994 |
| 6.  | <b>Batten's Disease Support and Research Association</b><br>Creatine Transport in Batten's Disease  | 1993-1994 |
| 7.  | <b>Emory University Research Council Award</b><br>Electrophysiological Analysis of Neurotransmitter Transporter In <i>Xenopus laevis</i> oocytes, PI.                                       | 1993-1994 |
| 8.  | <b>NIH/NIDDK R01 DK44986, Co-Inv (Brian Noe, Emory, PI)</b><br>Prohormone Converting Enzyme Specificity and Regulation  | 1992-1995 |
| 9.  | <b>PMAF Fellowship Advisor for Dr. Sally Schroeter</b>  | 1994-1996 |
| 10. | <b>Vanderbilt Diabetes Research &amp; Training Pilot</b><br>Insulin Regulation of the Norepinephrine Transporter  | 1995-1997 |
| 11. | <b>NARSAD Established Investigator Award</b>  | 1996-1997 |
| 12. | <b>NIH NRSA, Advisor to Dr. Eric Barker</b>   | 1995-1998 |
| 13. | <b>CIDA Award for Dr. Mario Saltarelli, Advisor</b>   | 1993-1998 |
| 14. | <b>American Cyanamid Research Grant</b><br>Molecular Analysis of <i>C. Elegans</i> Neurotransmitter Transporters  | 1997      |
| 15. | <b>NIH/NINDS NS34075, Co-Inv (L. Defelice, Vanderbilt, PI)</b><br>Biophysics of Norepinephrine Transporter  | 1996-2004 |
| 16. | <b>Bristol-Myers Squibb Research Award</b><br>Identification and Characterization of a Transporter for the Endogenous Cannabinoid, Anandamide   | 1997-1999 |
| 17. | <b>U.S. Civilian Research, Co-PI (with Dr. Oleg Brusov &amp; Dr. Richard Lozier)</b><br>Analysis of Glycosylation and Phosphorylation of the Human Serotonin Transporters in Mental Illness | 1997-1999 |
| 18. | <b>NIH/NIMH T32 MH19732, PI</b><br>Cellular and Molecular Neuroscience Training   | 1999-2002 |
| 19. | <b>Cure Autism Now Research Grant, PI</b><br>Serotonin Transporter Gene and Autism  | 1998-2000 |
| 20. | <b>NIH/NIMH R01 MH58921, PI</b><br>Acute Regulation of Norepinephrine Transporters  | 1998-2004 |
| 21. | <b>NIH SBR MH60063, Co-Inv (Advanced Targeting, Inc, Lead)</b><br>Monoclonal Antibodies to Target Specific Neuronal Population  | 1999      |
| 22. | <b>Department of Energy/Oak Ridge National Laboratory 4500008014, Co-Inv</b><br>Tennessee Mouse Consortium (subcontract)  | 1999      |
| 23. | <b>Intramural Discover Grant, PI</b><br>Nanocrystal Probes for CNS Drug Targets   | 1999-2001 |
| 24. | <b>NIH/NIDA R01 DA07390, PI</b><br>Regulation of Serotonin Transporters   | 1999-2005 |
| 25. | <b>Vanderbilt University Hobbs Society Research Award, PI</b><br>Serotonin Transport Polymorphisms in Juvenile Obsessive Compulsive Disorders   | 2000-2001 |
| 26. | <b>NIH/NIMH MH61971, PI</b><br>Targeted Mutagenesis of the Mouse Genome and Neural Phenotypes   | 2000-2005 |
| 27. | <b>NIH/NIDDK P01 DK58212, Co-Inv (K. Strange, Vanderbilt, PI)</b><br>Molecular Physiology of Membrane Transport in <i>C. elegans</i>  | 2000-2005 |
| 28. | <b>NIH/NIHLBI P01 HL056693, Co-Inv (D. Robertson, Vanderbilt PI)</b>  |           |



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|     | Autonomic Cardiovascular Regulation  | 2002-2012 |
| 29. | <b>NIH/NIDA R01 HD035684, Co-Inv</b><br>Prader-Willi Syndrome: Correlates of Compulsivity  | 2003-2008 |
| 30. | <b>University of North Dakota R01 DA13141, Co-Inv (R. Vaughan, PI)</b><br>Phosphorylation and Regulation of Dopamine Transporters  | 2003-2008 |
| 31. | <b>Institutional Discovery Grant – Vanderbilt University Office of Research</b><br>Cardiovascular Analysis of Choline Transporter Deficient Mice   | 2004-2005 |
| 32. | <b>Alzheimer’s Association Zenith Award ZEN-04-1001, PI</b><br>A Chemical Genetic Screen for Modifiers of Presynaptic Choline Transport  | 2004-2006 |
| 33. | <b>NIH/NINDS R01 NS034075, Co-PI (L. Defelice, Vanderbilt PI)</b><br>Biophysics of Norepinephrine Serotonin Transporters   | 2004-2008 |
| 34. | <b>NIH/NIMH R01 MH073159 MERIT AWARD, PI</b><br>Molecular Analysis of Presynaptic Choline Transporters   | 2004-2014 |
| 35. | <b>NIH/NIMH R01 MH058921, PI</b><br>Acute Regulation of Norepinephrine Transporters  | 2004-2009 |
| 36. | <b>NIH/NIBIB EB03728-03 Co-Inv (S. Rosenthal, Vanderbilt, PI)</b><br>Quantum Dot Nanoconjugate Imaging of Neural Receptors   | 2004-2011 |
| 37. | <b>NIH/NIMH MH65215, PI</b><br>Postdoctoral Training Program in Functional Neurogenomics   | 2004-2016 |
| 38. | <b>NARSAD Distinguished Investigator Award</b><br>A Knock-In Model to Elucidate Serotonin Specific Gene Regulatory Networks  | 2005-2006 |
| 39. | <b>Wyeth Research Grant, PI</b><br>Evaluation of The Interaction of Novel Norepinephrine Reuptake Inhibitors At the Norepinephrine Transporter   | 2005-2006 |
| 40. | <b>Forest Research Institute, Research Grant, PI</b><br>Interactions of Escitalopram and R-Citalopram With Human Serotonin Transporters  | 2005-2006 |
| 41. | <b>NIH/NIMH Silvio O. Conte Center P50 MH078028, PI</b><br>Genes Controlling Assembly and Function of Serotonin Systems  | 2007-2012 |
| 42. | <b>NIH/NHLBI, PO1 HL56693, Co-Inv (D. Robertson, Vanderbilt PI)</b><br>Autonomic Cardiovascular Regulation   | 2007-2012 |
| 43. | <b>NIH/NIMH T32 MH065215, PI</b><br>Postdoctoral Training Program in Functional Neurogenomics, PI  | 2008-2018 |
| 44. | <b>Forest Research Institute, Research Grant, PI</b><br>Dissection of the SSRI Actions at Serotonin Transporters using Integrated Structural Biology, Biochemical, and Transgenic Approaches | 2008-2009 |
| 45. | <b>NIH/NIDA R21 DA027739, PI</b><br>Forward Genetics and the Presynaptic Dopamine Transporter  | 2009-2011 |
| 46. | <b>NIH/NICHD R01 HD065278, PI</b><br>Transgenic Mouse Model to Address Heterogeneity in Autism Spectrum Disorders  | 2009-2011 |
| 47. | <b>NIH/NIMH R01 MH086530, Co-Inv (M. Sarter, U Michigan, PI)</b><br>Choline Transporter Capacity Limits Motivated Behavior on Mice, Rats and Humans  | 2010-2015 |
| 48. | <b>NIH/NCRR P41RR028133 Project Leader (R. Caprioli, Vanderbilt, PI)</b><br>Imaging Mass Spectrometry Research Resource  | 2011-2015 |
| 49. | <b>NIH/NIMH R21MH086033, PI</b><br>Interleukin-1 (IL1) Receptor-Mediated Modulation of Serotonin Transporters  | 2011-2012 |
| 50. | <b>AMGEN Research Project, PI</b><br>Proline Transporter Neurobiology  | 2012-2013 |
| 51. | <b>NIH/NIMH R01 MH095044, PI</b><br>Presynaptic Regulation of <i>C. elegans</i> Dopamine Transporter   | 2012-2017 |
| 52. | <b>NeuroDetective/Prexa, PI</b><br>Impact of Novel Agents of Mutant Dopamine Transporters  | 2013-2013 |

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| 53. | <b>NeuroDetective/Prexa, PI</b><br>Mechanisms of Action of DAT Inhibitors  | 2013-2014 |
| 54. | <b>Lundbeck, Research Project, PI</b><br>Dissection of the Role of the Presynaptic Serotonin Transporter<br>in the Actions of Vortioxetine   | 2013-2014 |
| 55. | <b>Institute for Psychiatric Neuroscience, PI</b><br>Immune System Signaling Impact on Depression and Social Defeat Behaviors  | 2013-2014 |
| 56. | <b>Dystonia Medical Research Foundation Research Award, PI</b><br>Development of Novel Reagents to Augment Cholinergic Signaling in Dystonia   | 2014-2016 |
| 57. | <b>Silvio O. Conte Center NIH/NIH P50 MH096972, PI</b><br>Enduring Effects of Early-Life Serotonin Signaling   | 2012-2017 |
| 58. | <b>Simons Foundation SFARI Research Award, PI</b><br>Immune p38 MAPK Activation: Convergent Mechanism Linking ASD Models   | 2014-2017 |
| 59. | <b>Pew Charitable Trusts, PI</b><br>Procurement of Leading Technologies in Neuroscience  | 2017-2019 |
| 60. | <b>NIH/NIMH 5R01 MH105094 (Blakely PI)</b><br>Knock-In Mouse Model of Dopamine Dysfunction Underlying Traits of ADHD   | 2014-2020 |
| 61. | <b>FAU-Israel Pilot Grant Initiative (Blakely, PI)</b><br>Impact of HBOT on Neuroinflammatory Signaling and Anxiety/Depressive<br>Behavior in Adult Mice Subjected to Neonatal Maternal Separation |           |
| 62. | <b>Mangurian Center for Alzheimer's Disease Research (Blakely)</b><br>Role of Copper Homeostasis in the Contribution of SWIP-10/MBLAC1<br>to Alzheimer's Disease                                   | 2020-2021 |

#### ACTIVE OR PENDING

|     |   |           |
|-----|---|-----------|
| 1.  | <b>NIH/NIMH R01 MH094527 (Blakely, PI)</b><br>Regulation of Serotonin Transporters  | 1992-2024 |
| 2.  | <b>ASCEND Program</b><br>Advancing STEM-Community Engagement through Neuroscience Discovery<br>Stiles-Nicholson Foundation  | 2018-2024 |
| 3.  | <b>Community Foundation, (Blakely PI)</b><br>Research on Addiction and Depression   | 2019-2022 |
| 4.  | <b>NIH/NINDS R01NS116914, Co-Inv (N. Quan, PI, Blakely, CoI)</b><br>Neuroinflammation, Neuronal IL-1R1 and Behavior   | 2020-2025 |
| 5.  | <b>P. Srinivasan Fund</b> to support neuroinflammatory research   | 2021-2022 |
| 6.  | <b>Psychiatric Neuroscience Institute</b> support for serotonin research  | 2021-2022 |
| 7.  | <b>I-SENSE/CoE&amp;CS Pilot Grant (Ranji and Blakely Co-PI)</b><br>Optical Imaging-Based Assessment of <i>Ex Vivo</i> Metabolic Dysfunction in Mice<br>with a Genetic Deficiency in MBLAC1, a Risk Factor for Alzheimer's Disease           | 2021-2022 |
| 8.  | <b>Brain Foundation</b><br>Mechanism Supporting SERT Ala56 Induction of Inflammation  | 2021-2024 |
| 9.  | <b>Florida Department of Health: Ed and Ethel Moore Alzheimer's Research<br/>Foundation (Blakely, PI)</b><br><i>In Vivo</i> Functional Analysis of MBLAC1: A Novel Genetic Risk Factor in<br>Alzheimer's Disease with Therapeutic Potential | 2022-2024 |
| 10. | <b>NIH/NIA R21 AG074846 (Blakely and Ushery, Co-PI)</b><br>Neuronal IL-1R1 and Neuropsychiatric Traits of an Alzheimer's Mouse Model  | 2022-2024 |
| 11. | <b>Sharon and Ashby Fund of Community Foundation of Broward<br/>County (Blakely, PI)</b><br>Addressing Today's Mental Health Challenges for a Better Tomorrow<br>(Advancing Broward's Mental Health)  | 2023-2027 |
| 12. | <b>JLSI/I-HEALTH Seed Proposal (Blakely and Bolton co-PI)</b><br>Consequences and Possibilities for Treatment of Serotonergic<br>mPFC Plasticities Induced in Female Mice by the Human Dopamine   |           |

|     |   |           |
|-----|---|-----------|
|     | Transporter Coding Variant Ala559Val  | 2024-2025 |
| 13. | <b>NIH R21 NS137239 (Fenollar Ferrer, PI, Blakely Co-I)</b><br>Structural Mechanics of Serotonin Transport Acceleration   | pending   |
| 14. | <b>NIH R21 (Fenollar Ferrer, PI, Blakely Co-I)</b><br>Role of N-terminus and PIP2 in establishing capacity for kinase-mediated regulation of serotonin transport. | pending   |
| 15. | <b>June Jones Foundation</b><br>Supporting Neuroscience Graduate Education (Blakely, PI)  | pending   |

## TRAINING HISTORY

### HIGH SCHOOL RESEARCHERS (6)

1. Josh Kutsko, University School of Nashville
2. Ben Blakely, University School of Nashville
2. Victor Borza, University School of Nashville
3. Mira Wasserman, University School of Nashville
4. Sam Fisher, University School of Nashville
5. Vyapti Subramaniam, Suncoast High, Riviera Beach
6. Tanmay Mahani, Suncoast High, Riviera Beach

### UNDERGRADUATE RESEARCHERS (70)

1. Melody Grey, Emory University
2. Andrea Bauman, Emory University
3. Julie Field, Vanderbilt University
4. Ben Waldorf, Vanderbilt University
5. Chelly Hines (Dykes), Vanderbilt University
6. Ariana Lichtenstein, Vanderbilt University
7. Katie Emerson, Vanderbilt University
8. Kristina Patterson, Vanderbilt University
9. Malav Chakravorti, Vanderbilt University
10. Michael McNeil, Brigham Young University
11. Nathan Richtand, Vanderbilt University
12. Chesney Oravec, Vanderbilt University
13. Faizzan Ahmad, Vanderbilt University
14. Meghan Randy, Vanderbilt University
15. Alec Knight, Vanderbilt University
16. Spencer Barrett, Vanderbilt University
17. Peter Reisz, Vanderbilt University
18. Peter Chisnell, Vanderbilt University
19. Raymond Rivera, University of Puerto Rico
20. Jillian Berkman, Bowdoin College
21. William Waters, Lipscomb University PharmD Program
22. Hussain Jinnah, Vanderbilt University
23. Lise Harbom, Vanderbilt University
24. Francisco Ochoa-Vargas, Vanderbilt University
25. Kristen Bater, Vanderbilt University
26. Ryan Glynn, Vanderbilt University
27. Austin Wheeler, Vanderbilt University
28. Claire Miller, Eckard College
29. Evan Pohl, Vanderbilt University
30. Alexandra Moussa-Tooks, Vanderbilt University
31. Jarrod Smith, Vanderbilt University

32. Angela Rao, Vanderbilt University
33. Tessa Popay, University of Auckland
34. Sam Snider, Vanderbilt University
35. Helyn Grissom, Vanderbilt University
36. Michael Levin, Vanderbilt University
37. Alexie Poch, Vanderbilt University
38. Lance Lehman, Vanderbilt University
39. David Roberts, Vanderbilt University
40. Austin McMeekin, Vanderbilt University
41. Joseph Balbona, Vanderbilt University
42. Robert Bruner, Emory University
43. Peace Odiase, Fisk University
44. Megan Kechner, Michigan State University
45. Victoria Hester, Vanderbilt University
46. David Botschner, Vanderbilt University
47. Justin Riele, Vanderbilt University
48. Nina Vaswani, Vanderbilt University
49. Anne Walker, Vanderbilt University
50. Victoria Hester, Vanderbilt University
51. Olivia Lee, Vanderbilt University
52. Jason Thome, Vanderbilt University
53. Emily Xu, Vanderbilt University
54. Peter Rodriguez, Barry University
60. Jason Baluja, Florida Atlantic University (College of Science)
63. Alaina Tillman, Florida Atlantic University (College of Science)
64. James Floyd, Florida Atlantic University (College of Science)
65. Zayna Gichi, Florida Atlantic University (College of Science)
66. Hanna Phelps, Florida Atlantic University (College of Science)
67. Steven Shatkhin, Florida Atlantic University (Honors College)
68. Vuong Tran, Florida Atlantic University (Honors College)
69. Gloria Morales, FAU Summer SINE/REU Program
70. Tristan Wells, Florida Atlantic University (College of Science)

#### **UNDERGRADUATE HONORS STUDENTS (34)**

- |     |  |      |
|-----|--|------|
| 1.  | Melody (Mindy) Grey, Emory University ( <i>summa cum laude</i> )                 | 1995 |
| 2.  | Julie Field, Vanderbilt University ( <i>summa cum laude</i> )                    | 2003 |
| 3.  | Katie Emerson, Vanderbilt University ( <i>summa cum laude</i> )                  | 2009 |
| 4.  | Peter Reisz, Vanderbilt University ( <i>cum laude</i> )                          | 2011 |
| 5.  | Peter Chisnell, Vanderbilt University ( <i>summa cum laude</i> )                 | 2011 |
| 6.  | Hussain Jinnah, Vanderbilt University ( <i>summa cum laude</i> )                 | 2012 |
| 7.  | Lise Harbom, Vanderbilt University ( <i>cum laude</i> )                          | 2012 |
| 8.  | Kristin Bater, Vanderbilt University ( <i>summa cum laude, Founder's Medal</i> ) | 2014 |
| 9.  | Jarrod Smith, Vanderbilt University ( <i>summa cum laude</i> )                   | 2015 |
| 10. | Sam Snider, Vanderbilt University ( <i>summa cum laude</i> )                     | 2015 |
| 11. | Joseph Balbona, Vanderbilt University ( <i>cum laude</i> )                       | 2017 |
| 12. | Alaina Tillman, FAU/Max Planck Honors Program                                    | 2019 |
| 13. | Angelica Bodine, FAU/Max Planck Honors Program                                   | 2020 |
| 14. | Tiffany Zhang, FAU/Max Planck Honors Program                                     | 2022 |
| 15. | Jourdan DeFrain, FAU Wilkes Honors College                                       | 2023 |
| 16. | Steven Shatkhin, FAU Wilkes Honors College                                       | 2023 |
| 17. | Kyria Whickham, FAU Wilkes Honors College  | 2024 |
| 18. | Melanie Hart, FAU Wilkes Honors College  | 2022 |
| 19. | Kia Ghods, Florida Atlantic University   | 2022 |
| 20. | Melanie Hart, FAU Wilkes Honors College  | 2022 |

21. Camden Weist, FAU Wilkes Honors College
22. Michelle Velez, FAU Wilkes Honors College
23. Jitesh Persaud, FAU Wilkes Honors College
24. Siddhi Gavkar, FAU Wilkes Honors College
25. Sofia Wasilewski, FAU Wilkes Honors College
26. Abbie Nwiloh, FAU Wilkes Honors College
27. Faakhira Dilijohn, FAU Wilkes Honors College
28. Elizabeth Potts, FAU Wilkes Honors College
29. Divyesh Doddapaneni, FAU Wilkes Honors College
30. Ashleigh Ellis, FAU Wilkes Honors College
31. Rodeania Pert, FAU Wilkes Honors College
32. Edward Jackson, FAU Wilkes Honors College
33. Natalie Souza, FAU Wilkes Honors College
34. Sofia Waslewski, FAU Wilkes Honors College

#### **GRADUATE TRAINEES (DIRECT AND CO-MENTORED (39))**

- |     |  |              |
|-----|--|--------------|
| 1.  | Haley Melikian, <b>Ph.D. Advisor, Neuroscience</b> Emory SOM                   | 1991-1995    |
| 2.  | Yan Qian, <b>Ph.D. Advisor, Neuroscience</b> Emory SOM                         | 1992-1996    |
| 3.  | Chris Bradley, <b>Ph.D. Advisor, Neuroscience</b> Emory SOM                    | 1992-1997    |
| 4.  | Andrea Bauman, <b>Ph.D. Advisor, Pharmacology</b> , Vanderbilt SOM             | 1995-2000    |
| 5.  | Nancy Flattem, <b>MS Advisor, Pharmacology</b> , Vanderbilt SOM                | 1996-2001    |
| 6.  | Erika Adkins, <b>Ph.D. Advisor, Pharmacology</b> , Vanderbilt SOM              | 1996-2000    |
| 7.  | Shawn Ferguson, <b>Ph.D. Advisor, Neuroscience</b> , Vanderbilt SOM            | 1999-2004    |
| 8.  | Michelle Mazei-Robison, <b>Ph.D. Advisor, Pharmacology</b> , Vanderbilt SOM    | 2000-2005    |
| 9.  | Heather Farmer, <b>MS Advisor, Pharmacology</b> , Vanderbilt SOM               | 2000-2003    |
| 10. | Paul McDonald, <b>Ph.D. Advisor, Neuroscience</b> , Vanderbilt SOM             | 2001-2006    |
| 11. | Mihaela Bazalakova, <b>Ph.D. Advisor, Neuroscience</b> , Vanderbilt SOM        | 2001-2007    |
| 12. | Jennifer A. Steiner, <b>Ph.D. Advisor, Neuroscience</b> , Vanderbilt SOM       | 2003-2009    |
| 13. | Brett English, <b>Ph.D. Advisor, Pharmacology</b> , Vanderbilt SOM             | 2004-2009    |
| 14. | David Lund, <b>Ph.D. Advisor, Neuroscience</b> , Vanderbilt SOM                | 2005-2010    |
| 15. | Julie Field, <b>Ph.D. Advisor, Pharmacology</b> , Vanderbilt SOM               | 2005-2010    |
| 16. | Dhananjay Sakrikar, <b>Ph.D. Advisor, Neuroscience</b> , Vanderbilt SOM        | 2006-2012    |
| 17. | Jerry Chang, <b>Ph.D. Co-Advisor Chemistry (Rosenthal)</b> , Vanderbilt        | 2006-2012    |
| 18. | Marc Mergy, <b>Ph.D. Advisor, Neuroscience</b> , Vanderbilt SOM                | 2007-2013    |
| 19. | Leda Ramoz, <b>Master's Advisor, Neuroscience</b> , Vanderbilt SOM             | 2008-2010    |
| 20. | James (Andrew) Hardaway, <b>Ph.D. Advisor, Neuroscience</b> , Vanderbilt SOM   | 2008-2013    |
| 21. | Oleg Kovtun, <b>Ph.D. Co-Advisor Chemistry (Rosenthal)</b> , Vanderbilt        | 2009-2013    |
| 22. | Alexander Nackenoff, <b>Ph.D. Advisor, Pharmacology</b> , Vanderbilt SOM       | 2010-2016    |
| 23. | Rolicia Martin, <b>Mentor, IMSD Program</b> , Vanderbilt SOM                   | 2010-2011    |
| 24. | Daniel Bermingham, <b>Ph.D. Advisor, Neuroscience</b> , Vanderbilt SOM         | 2011-2016    |
| 25. | Elizabeth Ennis, <b>Ph.D. Advisor, Pharmacology</b> , Vanderbilt SOM           | 2011-2016    |
| 26. | Gwynne Davis, <b>Ph.D. Advisor, Neuroscience</b> , Vanderbilt SOM              | 2012-2017    |
| 27. | Cassandra Retzlaff, <b>Ph.D. Advisor, Neuroscience</b> , Vanderbilt SOM        | 2012-2017    |
| 28. | Chelsea Gibson, <b>Ph.D. Advisor, Neuroscience</b> , Vanderbilt SOM            | 2013-2018    |
| 29. | Raajaram Gowrishankar, <b>Ph.D. Advisor, Neuroscience</b> , Vanderbilt SOM     | 2012-2018    |
| 30. | Meagan Quinlan, <b>Ph.D. Advisor, Pharmacology</b> , Vanderbilt SOM            | 2013-2019    |
| 31. | Isabel Stillman, <b>Medical Student</b> , FAU SOM                              | 2016-2018    |
| 32. | Max Rabil, <b>Post-Bac</b> , Brain Institute FAU                               | 2017-2019    |
| 33. | Samantha McGovern, <b>Master's Advisor, Integrative Biology</b>                | 2018-2020    |
| 34. | Peter Rodriguez, <b>Ph.D. Advisor, Integrative Biology</b>                     | 2018-present |
| 35. | Samantha Stille, <b>Masters. Advisor, Integrative Biology – Neuroscience</b> , | 2019-2021    |
| 36. | Carina Arnold, <b>Ph.D. Advisor, IMPRS/Integrative Biology – Neuroscience</b>  | 2019-present |
| 37. | Jacob Lamar, <b>Ph.D. Advisor, Integrative Biology – Neuroscience</b>          | 2021-2023    |

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|-----|--|--------------|
| 38. | Allison Walsh, <b>Ph.D. Mentor, Integrative Biology – Neuroscience</b> | 2022-present |
| 39. | Cara Mellilo, <b>Masters Mentor, Exp Psychology</b>                    | 2023-present |

**POSTDOCTORAL FELLOWS/RESEARCH FACULTY (40)**

- |     |   |              |
|-----|---|--------------|
| 1.  | Eric Barker, Ph.D. (Vanderbilt University)                                  | 1993-1998    |
| 2.  | Mario Saltarelli, M.D., Ph.D. (Johns Hopkins University)                    | 1993-1995    |
| 3.  | Sally Schroeter, Ph.D. (University of Michigan)                             | 1994-2000    |
| 4.  | Subramanian Apparsundaram, Ph.D. (University Houston)                       | 1995-2000    |
| 5.  | Sammanda Ramamoorthy, Ph.D., (University of Madras)                         | 1995-2000    |
| 6.  | Jeffrey Fritz, Ph.D., (University of Wisconsin-Madison)                     | 1996-1997    |
| 7.  | Margaret Sutherland, Ph.D., (Cambridge University)                          | 1996-1999    |
| 8.  | Patricia Bauman, Ph.D., (University of Arizona)                             | 1997-2002    |
| 9.  | Alexandra Belous, M.D., Ph.D., (University of Moscow)                       | 1999-2002    |
| 10. | Uhna Sung, Ph.D., (Rutgers University, NJ)                                  | 1998-2007    |
| 11. | Richard Nass, Ph.D., (Johns Hopkins University)                             | 1998-2003    |
| 12. | Maureen Hahn, Ph.D., (Wayne State University)                               | 1999-2005    |
| 13. | Valentina Savchenko, Ph.D., (Bogomoletz Inst. of Physiology, Kiev, Ukraine) | 2000-2006    |
| 14. | Loren (Keith) Henry, Ph.D., (University of TN Knoxville)                    | 2000-2008    |
| 15. | Hemant Agarwal, M.D., Ph.D., (Vanderbilt University)                        | 2002         |
| 16. | Chongbin Zhu, Ph.D., (Shanghai Medical University, China)                   | 2002-2012    |
| 17. | Harish Prasad, M.D., Ph.D., (Gauhati University, India)                     | 2002-2012    |
| 18. | John Mason, Ph.D., (Oregon Health Sciences University, Portland, OR)        | 2002-2007    |
| 19. | Ana Marin-Carneiro, Ph.D., (Federal University of Minas Gerais, Brazil)     | 2003-2010    |
| 20. | Dawn Matthies, Ph.D., (University of CA at Davis)                           | 2003-2008    |
| 21. | Alicia Ruggiero, Ph.D., (Johns Hopkins University)                          | 2004-2012    |
| 22. | Brent Thompson, Ph.D. (Vanderbilt University)                               | 2005-2009    |
| 23. | Shannon Hardie, Ph.D. (University of Virginia)                              | 2005-2009    |
| 24. | Jeremy Veenstra-VanderWeele, M.D. (University of Chicago)                   | 2006-2009    |
| 25. | Jomo Claiborne, Ph.D. (Meharry Medical College)                             | 2007-2008    |
| 26. | Leah Miller, Ph.D. (Meharry Medical College)                                | 2008-2011    |
| 27. | Patricia Ritch, M.D., Ph.D. (University of Alabama at Birmingham)           | 2008-2009    |
| 28. | Ran Ye, Ph.D. (University of Montana)                                       | 2009-2015    |
| 29. | Nicole Baganz, Ph.D. (UT San Antonio Health Sciences Center)                | 2010-2020    |
| 30. | Sarah Bass Robinson, Ph.D. (University of Georgia)                          | 2010-2015    |
| 31. | Ericka Holmstrand, Ph.D. (University of Pittsburgh)                         | 2010-2013    |
| 32. | Hideki Iwamoto, Ph.D. (Tokyo University)                                    | 2010-present |
| 33. | Tiffany Rogers, Ph.D. (Memphis State Univ)                                  | 2014-2015    |
| 34. | Matthew Robson, Ph.D. (West Virginia University)                            | 2013-2017    |
| 35. | Adele Stewart, Ph.D. (University of Iowa)                                   | 2014-2024    |
| 36. | Osama Refai, Ph.D. (University of Calgary)                                  | 2015-2022    |
| 37. | Paula Gajewski-Kurdziel, Ph.D. (Michigan St.)                               | 2017-present |
| 38. | Felix Mayer, Ph.D. (University of Vienna)                                   | 2018-2023    |
| 39. | Lorena Areal, Ph.D. (Federal University of Minas Gerais)                    | 2018-2022    |
| 40. | Matthew Schrier, Ph.D. (Nova Southeastern Univ) - Co-Mentor with N. Quan    | 2022-present |
| 41. | Muhamed Zaka Asif, Ph.D. (University of Georgia)                            | 2024-present |

**VISITING SCIENTISTS (11)**

- |    |   |           |
|----|---|-----------|
| 1. | Robert T. Fremeau, Jr., Ph.D., Duke University          | 1991      |
| 2. | Sammanda Ramamoorthy, Ph.D., Medical College of Georgia | 1992-1993 |
| 3. | Sally Schroeter, Ph.D., Emory University                | 1993-1994 |
| 4. | Margaret Sutherland, Ph.D., Baylor School of Medicine   | 1994      |
| 5. | Joseph Justice, Jr., Ph.D., Emory University            | 1995-1996 |
| 6. | Twum-Ampofo Ansah, Ph.D., Meharry Medical College       | 1997-2003 |

|     |  |           |
|-----|--|-----------|
| 7.  | Robert Grammar, Belmont University           | 2001      |
| 8.  | Michael Ivy, Ph.D. Tennessee St. Univ        | 2007-2009 |
| 9.  | Jin Zingliang, Shanghai Univ                 | 2010-2011 |
| 10. | Gabriela Horvath, M.D. Univ British Columbia | 2011      |
| 11. | Phyllis Freeman, Ph.D., Fisk University      | 2011-2013 |

### **RESEARCH STAFF (25)**

|     |                           |              |
|-----|---------------------------|--------------|
| 1.  | Margaret Peek             | 1990-1992    |
| 2.  | Kim Moore                 | 1992-1995    |
| 3.  | Denise Malone             | 1995-2001    |
| 4.  | Susan DeFelice            | 1998-2000    |
| 5.  | Tammy Jessen              | 2000-2008    |
| 6.  | Qiao Han                  | 1998-2016    |
| 7.  | Jane Wright               | 1999-2016    |
| 8.  | Angela Hunt Steele        | 2000-2016    |
| 9.  | Christina Svitek          | 2008-2016    |
| 10. | Kathryn Lindler           | 2009-2012    |
| 11. | Gail Ingle                | 2009-2012    |
| 12. | Sarah (Whitaker) Sturgeon | 2009-2015    |
| 13. | Tracy Moore-Jarrett       | 2009-2016    |
| 14. | Romell Gletten            | 2013-2014    |
| 15. | Maria Davenport           | 2014-2015    |
| 16. | Kimberly Drake            | 2016         |
| 17. | Matthew Gross             | 2016-2022    |
| 18. | Peter Rodriguez           | 2016-2018    |
| 18. | Catherine Nettesheim      | 2016-2017    |
| 19. | Rania Katamish            | 2016-2022    |
| 20. | Samara Vilca              | 2016-2017    |
| 21. | Erika Catriz              | 2017-2018    |
| 22. | Sean Mellish              | 2017-2019    |
| 23. | Alaina Tillman            | 2019-2022    |
| 24. | Tiffany Zhang             | 2022-present |
| 24. | Zayna Gichi               | 2020-2023    |
| 25. | Anna Stauffer             | 2022-present |
| 26. | Zachary Filliben          | 2022-present |

### **WORK/STUDY ASSISTANTS (24)**

|     |                     |
|-----|---------------------|
| 1.  | Christa Green       |
| 2.  | Donnie Zoz          |
| 3.  | Michelle Gilbert    |
| 4.  | Samuel Arthur Moore |
| 5.  | Cody Carroll        |
| 6.  | Sarah Rachmiel      |
| 7.  | Sonya Sowerby       |
| 8.  | Shauna St. Clair    |
| 9.  | Jordan Knepper      |
| 10. | Jonathan Dial       |
| 11. | Terri Ellen Byrd    |
| 12. | Wynter Foley        |
| 13. | Spencer Barret      |
| 14. | Tanner Strickland   |
| 15. | Ryan Glynn          |
| 16. | Grace Randazzo      |

17. Leah Caplan
18. Elliot Dean
19. Sam Snider
20. Victoria Hester
21. Christina Hwang
22. Nicholas Hyman
23. Keeley Spiess
24. Heather Butler
25. Sara Rivera-Aguirre

**PUBLICATIONS: 365 published or *in press*, 6 submitted (h-index = 107; i10-index = 309, citations = 36,403 (Google Scholar))**

1. Herndon, J.G., Allen, W.C., and Blakely, R.D. Increases in testosterone levels and in copulatory behavior of male rhesus monkeys following treatment with human chorionic gonadotrophin, **Horm Behav**, 14:337-347, 1980. [PMID: 7216185]
2. Lindsay, W.S., Herndon, J.G., Jr., Blakely, R.D., Justice, Jr., J.B., and Neill, D.B. Voltammetric recording from neostriatum of behaving rhesus monkey, **Brain Res**, 220:391-396, 1981. [PMID: 7284764]
3. Blakely, R.D., and Duvarney, R.C. A microcomputer-controlled system for monitoring multiple voltammetric electrodes *in vivo*, **Brain Res Bull**, 10:315-320, 1983. [PMID: 6133600]
4. Justice, Jr., J.B., Wages, S.A., Michael, A.C., Blakely, R.D., and Neill, D.B. Interpretations of voltammetry based on chromatography of striatal dialysate, **J Liq Chrom**, 6:1873-1896, 1983.
5. Blakely, R.D., Wages, S.A., Justice, Jr., J.B., Herndon, J.G., and Neill, D.B. Neuroleptics increase striatal catecholamine metabolites but not ascorbic acid in dialyzed perfusate, **Brain Res**, 308:1-8, 1984. [PMID: 6206916]
6. Blakely, R.D., Ory-Lavollée, L., Thompson, R.C., and Coyle, J.T. Synaptosomal transport of radiolabel from N-acetyl-aspartyl-[<sup>3</sup>H]glutamate suggests a mechanism of inactivation of an excitatory neuropeptide, **J Neurochem**, 47:1013-1019, 1986. [PMID: 2875126]
7. Coyle, J.T., Blakely, R.D., Zaczek, R., Koller, K.J., Abreu, M., Ory-Lavollée, L., Fisher, R., French-Mullen, J.M., Carpenter, D.O. Acidic peptides in brain: Do they act at putative glutamatergic synapses? **Adv Exp Med Biol**, 203:375-384, 1986. [PMID: 2878566]
8. Fisher, R.S., French-Mullen, J.M.H., Zaczek, R., Blakely, R.D., and Coyle, J.T. Dipeptides containing glutamate as endogenous neuroexcitatory agents, in **Neurotransmitters and Epilepsy**, Raven Press, New York, 1986.
9. Robinson, M.B., Blakely, R.D., and Coyle, J.T. Quisqualate selectively inhibits a brain peptidase which cleaves N-acetyl-L-aspartyl-L-glutamate *in vitro*, **Eur J Pharm**, 130:345-347, 1986. [PMID: 3539626]
10. Blakely, R.D., Ory-Lavollée, L., Grzanna, R., Koller, K.J., and Coyle, J.T. Selective immunocytochemical staining of mitral cells in rat olfactory bulb with affinity purified antibodies against N-acetyl-aspartyl glutamate, **Brain Res**, 402:373-378, 1987. [PMID: 2435366]



11. Ory-Lavollée, L., Blakely, R.D., and Coyle, J.T. Neurochemical and immunocytochemical studies on the distribution of N-acetyl-aspartylglutamate and N-acetyl-aspartate in rat spinal cord and some peripheral nervous tissues, **J Neurochem**, 48:895-899, 1987. [PMID: 3543223]
12. Robinson, M.B., Blakely, R.D., Couto, R., and Coyle, J.T. Hydrolysis of the brain dipeptide N-acetyl-L-aspartyl-L-glutamate: Identification and characterization of a novel N-acetylated  $\alpha$ -linked acidic dipeptidase activity from rat brain, **J Biol Chem**, 262:14498-14506, 1987. [PMID: 3667587]
13. Blakely, R.D., Ory-Lavollée, L., and Coyle, J.T., Specific alterations in the levels of N-acetyl-aspartyl-glutamate in the nervous system of the dystrophic mouse, **Neurosci Lett**, 79:223-228, 1987. [PMID: 3670731]
14. Forloni, G., Grzanna, R., Blakely, R.D., and Coyle, J.T. Co-localization of N-acetyl-aspartyl-glutamate in central cholinergic, noradrenergic, and serotonergic neurons, **Synapse**, 1:455-460, 1987. [PMID: 3505373]
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