CURRICULUM VITAE

Name: ***BYRON D. FORD***

Office Address: Howard University College of Medicine
Department of Anatomy
520 W. Street, NW
Washington, DC 20059

Home Address: 12801 Travilah Road
Potomac, MD

Citizenship: U.S.

Education:

Institution and Location	***Years Degree Conferred***	***Scientific Field***
Harvard Medical School Boston, Massachusetts	Postdoctoral 1995-1998	Neurobiology (with Dr. Gerald Fischbach)
Meharry Medical College Nashville, Tennessee	Ph.D. 1995	Physiology/Neuroscience (with Dr. James G. Townsel)
Grambling State University Grambling, Louisiana	B.S. 1989	Biology

Employment History:

2023-present	Associate Dean, Research and Graduate Studies, Howard University College of Medicine
2022-2023	Assistant Dean, Research and Graduate Studies, Howard University College of Medicine
2022-present	Chair, Department of Anatomy, Howard University College of Medicine
2022-present	M. Wharton Young Endowed Professor (Tenured), Howard University College of Medicine
2022-present	Adjunct Professor, University of California-Riverside, School of Medicine
2020-2022	Associate Dean, Pre-Clerkship Medical Education University of California-Riverside, School of Medicine
2018-2020	Director, Biomedical Sciences Graduate Program University of California-Riverside, School of Medicine
2017-present	Professor (Cooperating Faculty Member), Department of Bioengineering, University of California-Riverside
2015-2022	Professor (Tenured), Division of Biomedical Sciences University of California-Riverside, School of Medicine
2013-present	Chief Executive Officer/Chief Scientific Officer Brain-Gen Biotech, Atlanta, GA
2013-2014	Acting Chairman, Department of Neurobiology, Morehouse School of Medicine
2013-2015	Vice Chairman, Department of Neurobiology, Morehouse School of Medicine

2009-2015	Professor, Department of Neurobiology, Morehouse School of Medicine
2007-2012	Adjunct Professor, Unit of Comparative Medicine University of Puerto Rico, Medical Sciences Campus
2006-2015	Director, Neuroprotection, Neurorepair and Stroke Program Morehouse School of Medicine
2005-2009	Associate Professor, Department of Anatomy and Neurobiology Morehouse School of Medicine
2001-2005	Assistant Professor, Department of Anatomy and Neurobiology Investigator, Neuroscience Institute, Morehouse School of Medicine
2001-2008	Director, Molecular Core Facility Center for Behavioral Neuroscience - Atlanta
1999-2000	Senior Staff Fellow and Lab Manager, SDN NIMH, National Institutes of Health
1998-1999	Staff Fellow, Section on Developmental Neurobiology (SDN) NIHM, National Institutes of Health (w/G. Fischbach)
1996-1998	National Science Foundation Postdoctoral Fellow Harvard Medical School, Boston, Massachusetts (w/G.D. Fischbach)
1995-1998	Post-doctoral fellow, Department of Neurobiology Harvard Medical School, Boston, Massachusetts (w/G.D. Fischbach)
1994	Lecturer, Department of Biology Fisk University, Nashville, Tennessee
1993-1994	Porter Predoctoral Fellow of the American Physiological Society Meharry Medical College (w/J.G. Townsel)
1991-1993	Patricia Roberts-Harris Fellow Meharry Medical College (w/J.G. Townsel)
1990-1991	Graduate Teaching Associate and Research Assistant Department of Biological Sciences, Grambling State University
1985-1987	Research Assistant Department of Zoology, Louisiana State University-Baton Rouge

Honor and Awards:

2024 Alpha Omega Alpha Medical Honor Society Inductee
2021 Keynote Speaker, UCR Albert Stroberg Lecture Series
2020 INSIGHT Into Diversity 2020 Inspiring Programs in STEM Award (B2B Program)
2019 Keynote Speaker, Graduate Symposium, Meharry Medical College
2019 Keynote Speaker, NINDS Career Symposium, NIH, Bethesda, MD
2019 Keynote Speaker, 5th annual NEURAL Conference, Birmingham, AL, 2019
2016 Keynote Speaker, George Howard Memorial Symposium, Meharry Medical College
2013 Harold D. West, Ph.D. Distinguished Biomedical Scientist Award, Meharry Medical College
2012-2016 ***NINDS Advisory Council (NANDS) member***
2012 Keynote Speaker, Daniel T. Rolfe Memorial Symposium, Meharry Medical College
2012 Keynote Speaker, Martinez-Townsel Endowed Lectureship in SPINES, Marine Biological Laboratories Special Lecture Series, 2012
2010 Southeast BIO Investor Forum (SEBIO) BIO/Plan Competition Winner
2010-2013 Board of Trustees, Faculty Trustee, Morehouse School of Medicine
2008 Stroke Treatment Academic Industry Roundtable (STAIR) member

2007-2010 Cellular & Molecular Biology of Glia Study Section (CMBG), NIH, member
2007-2010 Society for Neuroscience Membership and Chapters Committee
2006 Morehouse School of Medicine Dean's Award for Outstanding Researcher
2006 Invited guest speaker, WCLK radio's "Community Forum"
2006 Featured on **NINDS** webpage
2005 Featured in ***Science***'s Next Wave, 2005 (https://www.sciencemag.org/careers/2005/11/investigating-neural-and-vascular-consequences-stroke)
2005 International Symposium on Cerebral Blood Flow, Metabolism, and Function, Amsterdam, Netherlands, Platform Speaker
2005 Keynote Speaker, Grambling State University, Faculty Symposium
2004 Keynote Speaker, James A. Pulliam Lecture, Meharry Medical College
2004 NAEHS Council Meeting, Invited Speaker, NIEHS, Bethesda, MD
2003 Keynote Speaker, Mapp Symposium, Morehouse College
Keynote Speaker, Grambling State University Biomedical Research Symposium,
2000 NAFEO Distinguished Alumni Award
1999 NIH Special Act or Service Award
1998-2001 National Institutes of Health Loan Repayment Award
1996-1998 National Science Foundation Postdoctoral Fellowship, Harvard Medical School
1995-96 NIH Postdoctoral Fellowship, Harvard Medical School
1996 Who's Who Among American Colleges and Universities
1995 Dean's Award for Scientific Productivity, Meharry Medical College
1995 Charles W. Johnson Graduate Award, Meharry Medical College
1994 Graduate Assistance in Areas of National Need (GAANN) Fellowship, U.S. Department of Education
1994 NINDS Travel Fellowship
1994 Graduate Student Award, Association of Medical and Health Professions Schools
1993-1995 Porter Predoctoral Fellow, American Physiological Society
1992 Representative, Pre-Alumni Association, Meharry Medical College
1991-93 Patricia Roberts-Harris Predoctoral Fellowship, U.S. Dept. of Education
1985 Academic Merit Scholarship, Louisiana State University

Professional Societies:

Alpha Omega Alpha Medical Honor Society
American Association for the Advancement of Science
American Association of Anatomy
American Heart Association, Basic Sciences Council
American Society for Neurochemistry
International Society for Cerebral Blood Flow and Metabolism
Society for Neuroscience
World Stroke Organization

Conference Involvement:

Discussion Leader, Gordon Conference on Glial and Neuronal Function, 2015
Organizing Committee, Global Stroke Summit 2015, Birmingham, UK

Professional Service:

Grant Proposal Reviewing:

NIH NST-3 Review Panel, member, 2023-2025
NIH NST-1 Review Panel, member, 2018-2022
NIH Building Infrastructure Leading to Diversity (BUILD) Review Panel, Ad hoc reviewer, 2018
NIH/NINDS D-SPAN F99/K00 Review Panel, Ad hoc reviewer, 2017-present
NINDS T32 Review Panel ZNS1 SRB D8, Ad hoc reviewer, 2017-2020
NINDS Special Emphasis Panel ZNS1 SRB-M, Ad hoc reviewer, 2017
American Heart Association- Cell Trans 1 Committee, 2017
Acute Neural Injury and Epilepsy (ANIE) study section, NIH, Ad hoc reviewer, 2012
Cellular & Molecular Biology of Glia Study Section (CMBG), NIH, member, 2007-2010
Neurodegeneration and Biology of Glia Study Section (NDBG), NIH, member, 2005-2007
Brain Disorders and Clinical Neuroscience Study Section (BDCN), NIH, Ad hoc reviewer, 2005
NIH Special Interest Panel Study Section (2002-2005)
APA Diversity Program in Neuroscience Program, reviewer (2003-2012)
Israel Science Foundation, Ad Hoc Reviewer (2005-2006)

Participation on Advisory Panels:

University of Rochester NeuroCity Scholars Program Advisory Council, 2024-
University of Texas, Tyler MS in Biotechnology Program Advisory Board, 2024
UAB Roadmap Scholars Program External Advisory Board, 2023 –
UC Minority Science Program Review Panel, 2020
NINDS Strategic Planning Panel regarding Training and Diversity, 2020
NINDS workshop "Translational Stroke Research: Vision and Opportunities", 2017
GE Healthymagination Advisory Board 2013-2014
NINDS Advisory Council (NANDS) member, 2012-2016
NINDS Advisory Panel for Workforce Diversity, 2010
Society for Neuroscience Membership and Chapters Committee
Stroke Treatment Academic Industry Roundtable (STAIR) member, 2008
APA Diversity Program in Neuroscience Training Advisory Committee (2003-2010)
Society for Neuroscience, Atlanta Chapter, Executive Committee (2004)
Advanced Career Training Center, Advisory Board Member (2003-04)

Editorial Activities:

Scientific Reports – Editorial Board
Review Activity: American Journal of Physiology; Biochemical and Biophysical Research Communications; ASN Neuro; Brain Research; Brain Research Bulletin; Future Medicine; International Journal of Environmental Research & Public Health; Journal of Cerebral Blood Flow and Metabolism; Journal of Neurochemistry; Journal of Neuroscience; Journal of Neuroscience Methods; Neuroscience; Neuroscience Letters; Stroke; Translational Stroke Research.

University Service:

HUCM LCME Probation Task Force (2025-present)
HUCM Research Committee, Chair (2024-present)
HUCM Grant Process Improvement Committee (2024-present)
HUCM Space Research Space Advisory Committee, Chair (2023-present)
HUCM Program Innovation and Review Committee (PIRC) (2023-present)

HUCM Biomedical Graduate Education Committee (2023-present)
HUCM Executive Committee (2022-present)
HUCM Curriculum Committee (2022-present)
HUCM LCME Steering Committee (2022-present)
HUCM, Chan-Zuckerberg Initiative (CZI) Genetics Chair Search Committee, Chair (2022)
HUCM Genetics Graduate Program, Interim Director (2022-present)
HUCM, Cobb Laboratory Director Search Committee, (2022-present)
UCR SOM Medical Education Committee, Chair (2020-p2022); member (2018-2020)
UCR LCME Subcommittee, Chair (2020-2022)
UCR SOM Education and Student Affairs Committee, member (2020-2022)
Director, UCR SOM Biomedical Sciences Graduate Program (2018-2020)
UCR Promoting Research Objectivity (PRO) Committee (2017-2020), Chair (2018-2020)
UCR SOM Biomedical Sciences Graduate Program, Graduate Advisor (2016-2018)
UCR Cluster Hire Search Committee (Neuroscience), Chair (2016)
UCR Cluster Hire Search Committee (Human Neuroimaging), Member (2016)
UCR Medical Admissions Committee, Member (2016-present)
UCR Graduate Council, Academic Senate, Member (2016-2020)
UCR Graduate Council, Fellowship Subcommittee (2016-2020); Chair (2017-2020)
UCR SOM Block 4 Co-Director (2016-present)
UCR Medical School Progress and Promotions Committee of the FEC, Chair (2016-2020)
UCR Center for Advanced Neuroimaging Scientific Advisory Committee (2016-2022)
UCR SOM Biomed Graduate Admissions Committee, member (2015-present)
UCR LCME Self-Study Subcommittee, member (2016-2017)
UCR Center For Glial-Neuronal Interactions (CGNI), member (2015-present)
UCR Graduate Program in Neuroscience, Faculty member (2015-present)
Promoting Our Worth as Entrepreneurs and Researchers in Innovative Technology (POWER-IT), Scientific Director (2011-2015)
MSM Board of Trustees (BOT), Faculty Representative (2010-2013)
Director, MSM Neuroscience Institute/Keck Genomics Core (2003-2015)
MSM Neuroscience Institute Summer Research Program, Co-Director (2001–2015)
MSM RCMI Microarray Core Facility Users Committee (2002-2015)
MSM Graduate Program Admissions Committee (2006-2015)
MSM Neuroscience MD Student Translational Honors Program Advisor (2009-2015)
MSM Faculty Representative to BOT Academic Policy Committee (2007-2010)
MSM RCMI Internal Advisory Committee (2008-2015)
MSM Committee on Committees (2009)
MSM Intellectual Property Committee (2009-present)
MSM Ad Hoc Promotions Committee, Chair (2005)
MSM Board of Trustees, Faculty Representative (2003-2004)

Teaching Activities:

Courses/Programs:

Howard University College of Medicine

MD Structure Function 3 Course:
Courses Teaching:
Cerebral Circulation and Blood Supply:
Interdisciplinary Biomedical Science Ph.D. Program
Courses Teaching:

Manuscript Writing; Course Coordinator
Allied Health:
Courses Teaching:
Cerebral Circulation and Blood Supply
Dental School:
Courses Teaching:
Cerebral Circulation and Blood Supply

UC Riverside School of Medicine

MD Block 4: Musculoskeletal Medicine; Co-Director (2016-present)
Courses Teaching:
Neuromuscular Junction
Lower Motor Neuron
Neuromuscular Junction Pharmacology
Spinal Cord Cases
MD Block 5: Clinical Neurosciences I (2016-present)
Courses Teaching:
Cerebral Circulation
Gross Anatomy of the Brain
Brainstem/Medulla
Neurobiology of GABA
Vestibular System
Auditory System
Brain Stem Clinical Cases
Cerebral Cortex Clinical Cases

BMSC 254 (Biomed Pizza Friday): Science Practice, Scientific Method and Bioethics
Course Director (2018-2020)

Morehouse School of Medicine

Cellular and Molecular Biology
Cell and Molecular Neurobiology
Human Morphology
Medical Neurobiology

Graduate and Postdoctoral Advising/Mentoring:

Howard University College of Medicine

HU Graduate Students:
Christopher McGinley, M.D./Ph.D. Student, Dissertation Advisor, 2022-present
Oluwafayokemi Oyolola, Ph.D. Student, Dissertation Advisor, 2023-present
Zyare Orr, M.D./Ph.D. Student, Research Advisor, 2026-present
Alani Miller, Ph.D. Student, Research Rotation Advisor, 2023-2025
Paola Correa-Alfonso, Ph.D. Student, Research Advisor, 2023-present

HU Postdoctoral Fellows:
Shokofeh Rahimpour, Ph.D., Postdoctoral Fellow, 2026-present

HU Undergraduate and Medical Students:
Maria Brown, Medical Student, Research Advisor, 2026-present
Louis Benjamin, Medical Student, Research Advisor, 2026-present
Jordan Garrett, Medical Student, Research Advisor, 2026
Alberto Albornaz, Medical Student, Research Advisor, 2025-2026
Jasmine Walker, Medical Student, Research Advisor, 2025-2026
Laurynn Cooper-Jordan, Medical Student, Research Advisor, 2025-2026
Meghana Akula, Medical Student, Research Advisor, 2024-2025
Amber Courtland, Medical Student, Research Advisor, 2024-2025
Nkosi Singleton, Medical Student, Research Advisor, 2024-2025
Anshika Motiano, Medical Student, Research Advisor, 2024-2025
Adji Diouf, Undergraduate Student, Research Advisor, 2023-2025

UC Riverside School of Medicine

UCR Graduate Students:
Catherine Augello, Ph.D Student, Thesis Advisor, 2015-2021
Angela Avitua, Ph.D Student, Thesis Advisor, 2016-2022
Jessica Noll, Ph.D. Student, Thesis Advisor, 2017-2021
Jennifer Yang, Ph.D Student, Thesis co-Advisor, 2016-2021
Dian Hoque, M.S. Student, Thesis Advisor, 2020-2021
Poushali Bhattacharyya, M.S. Thesis, Research Advisor, 2019-2020
Hakeem Omotayo, M.S. Student, Thesis Advisor, 2016-2019
Susan Nguyen, Ph.D. Student, Research Advisor, 2018
Indira Harahap, Ph.D., Student Research Advisor, 2018
Brandon Oliver, Ph.D. Student, Research Advisor, 2021-2022

UCR Undergraduates:
Etchi Ako, Undergraduate Student, Research Advisor, 2020-2022
Kimberly Bennett, Undergraduate Student, Research Advisor, 2020-2021
Dominic Harmison, Undergraduate Student, Research Advisor, 2020-2021
George Hourany, Undergraduate Student, Research Advisor, 2019-2021
Ogenewoma Oghenesume, Undergraduate Student, Research Advisor, 2020-2021
Eric Perez, Undergraduate Student, Research Advisor, 2019-2020
Louie Salloum, Undergraduate Student, Research Advisor, 2020-2022
Arya Sherafat, Undergraduate Student, Research Advisor, 2019-2022
Jaime Brito, Undergraduate Student, Research Advisor, 2016-2018
Jason Hsu, Undergraduate Student, Research Advisor, 2019-2020
Michael Kasbar, Undergraduate Student, Research Advisor, 2016-2018
Edward Li, Undergraduate Student, Research Advisor, 2016-2017
Justin Liu, Undergraduate Student, Research Advisor, 2019
Jerard Wang, Undergraduate Student, Research Advisor, 2016-2018

Morehouse School of Medicine

MSM Graduate Students:
Monique Surles, Ph.D. Student, Thesis Advisor, 2010-2016
Lauren Simmons, Ph.D. Student, Thesis Advisor, 2011-2016
DaJoie Croslan, Ph.D. Student, Thesis Advisor, 2002-2006
Ceilessia Clement, Ph.D. Student, Thesis Advisor, 2002-2006
Teclemichael Tewolde, MSCR. Student, Thesis Advisor, 2010-2012

Wesley Solomon, Ph.D. Student, Thesis Committee Advisor, 2010-2014
Hauwa Balami, M.S. Student, Thesis Committee Member, 2009-2010
LaReese Thomas, Ph.D. Student, Thesis Committee Member, 2003-2007
Alicia Branch, Ph.D. Student, Thesis Committee Member, 2004-2009
Felicia Jefferson, Ph.D. Student, Thesis Committee Member, 2005-2009
Daree Russell, M.S. Student, Thesis Committee Member, 2005
Wendell Fortson, Ph.D. Student, Advisor, 2005
Gregory Ford, Ph.D. Student, Advisor, 2004-2008
Don-Ricardo Miller, Ph.D. Student, Advisor, 2003-2005
Mario Hairston, Ph.D. Student, Advisor, 2002-2006
Mark Brice, Ph.D. Student, Advisor, 2006

MSM Postdoctoral Fellows:
Gregory Ford, Ph.D., Postdoctoral Fellow, 2008-2010
Yonggang Li, Ph.D., Postdoctoral Fellow, 2005-2012
Kyndra Stovall, Ph.D., Postdoctoral Fellow, 2011-2013
John Pulliam, Ph.D., Postdoctoral Fellow, 2007-2012
Ciumei Liu, M.D., Ph.D., Postdoctoral Fellow, 2007-2012
Matthew Schoell, Ph.D., Postdoctoral Fellow, 2007-2009
Adalynn Harris, Ph.D., Postdoctoral Fellow, 2004-2007
Zhenfeng Xu, M.D., Ph.D., Postdoctoral Fellow, 2002-2005
Todd White, Ph.D., Postdoctoral Fellow, 2009-2015
Rafael Luna, Ph.D., Postdoctoral Fellow, 2004-2005
Shari Stokes, M.D. MS Clinical Research Fellow, 2013-2015

MSM Medical Students:
Noel Brown, M.D. Student, Research Advisor, 2013-2015
Marijan Pejic, M.D. Student, Research Advisor, 2013-2015
Casey McCraw, M.D. Student, Research Advisor, 2010-2011
Erica Shantha, M.D. Student, Research Advisor, 2010-2012
Alex Maki, M.D. Student, Research Advisor, 2005-2006
Mika Matthews, M.D. Student, Research Advisor, 2006-2007
Sophia Mirza, M.D. Student, Research Advisor, 2006-2007
Marcus Parker, M.D. Student, Research Advisor, 2001

Publications:

1. Ford BD, Dorsey WC, Townsel JG. Differential expression and subcellular localization of protein kinase C isoforms in neuronal and cardiac tissues of Limulus polyphemus. Biochem Biophys Res Commun. 1995 Mar 17;208(2):463-9. doi: 10.1006/bbrc.1995.1361. PubMed PMID: 7695594.
2. Ford BD, Dorsey WC, Townsel JG. Neurotransmitter and neuropeptide modulation of high affinity choline uptake in Limulus brain. Comp Biochem Physiol A Physiol. 1995 May;111(1):147-53. PubMed PMID: 7735906.
3. Floyd EA, Young-Seigler AC, Ford BD, Reasor JD, Moore EL, Townsel JG, Rucker HK. Chronic ethanol ingestion produces cholinergic hypofunction in rat brain. Alcohol. 1997 Jan-Feb;14(1):93-8. PubMed PMID: 9014029.

4. Ford BD, Ivy MT, Mtshali CP, Townsel JG. The involvement of protein kinase C in the regulation of choline cotransport in Limulus. Comp Biochem Physiol A Mol Integr Physiol. 1999 Jul;123(3):255-61. PubMed PMID: 10501019.
5. Ford BD, Loeb JA, Fischbach GD. Neuregulin stimulates DNA synthesis in embryonic chick heart cells. Dev Biol. 1999 Oct 1;214(1):139-50. doi: 10.1006/dbio.1999.9394. PubMed PMID: 10491263.
6. Liu Y, Ford B, Mann MA, Fischbach GD. Neuregulins increase alpha7 nicotinic acetylcholine receptors and enhance excitatory synaptic transmission in GABAergic interneurons of the hippocampus. J Neurosci. 2001 Aug 1;21(15):5660-9. PubMed PMID: 11466437.
7. Parker MW, Chen Y, Hallenbeck JM, Ford BD. Neuregulin expression after focal stroke in the rat. Neurosci Lett. 2002 Dec 16;334(3):169-72. doi: 10.1016/s0304-3940(02)01126-6. PubMed PMID: 12453622.
8. Chen Y, McCarron RM, Golech S, Bembry J, Ford B, Lenz FA, Azzam N, Spatz M. ET-1- and NO-mediated signal transduction pathway in human brain capillary endothelial cells. Am J Physiol Cell Physiol. 2003 Feb;284(2):C243-9. doi: 10.1152/ajpcell.00305.2002. PubMed PMID: 12529247.
9. Rosen KM, Ford BD, Querfurth HW. Downregulation and increased turnover of beta-amyloid precursor protein in skeletal muscle cultures by neuregulin-1. Exp Neurol. 2003 Jun;181(2):170-80. doi: 10.1016/s0014-4886(03)00031-1. PubMed PMID: 12781990.
10. Ford BD, Han B, Fischbach GD. Differentiation-dependent regulation of skeletal myogenesis by neuregulin-1. Biochem Biophys Res Commun. 2003 Jun 20;306(1):276-81. doi: 10.1016/s0006-291x(03)00964-1. PubMed PMID: 12788100.
11. Ford BD, Liu Y, Mann MA, Krauss R, Phillips K, Gan L, Fischbach GD. Neuregulin-1 suppresses muscarinic receptor expression and acetylcholine-activated muscarinic K+ channels in cardiac myocytes. Biochem Biophys Res Commun.2003 Aug 15;308(1):23-8. doi: 10.1016/s0006-291x(03)01319-6. PubMed PMID: 12890474.
12. Xu Z, Jiang J, Ford G, Ford BD. Neuregulin-1 is neuroprotective and attenuates inflammatory responses induced by ischemic stroke. Biochem Biophys Res Commun. 2004 Sep 17;322(2):440-6. doi: 10.1016/j.bbrc.2004.07.149. PubMed PMID: 15325249.
13. Xu Z, Ford BD. Upregulation of erbB receptors in rat brain after middle cerebral arterial occlusion. Neurosci Lett. 2005 Mar 3;375(3):181-6. doi: 10.1016/j.neulet.2004.11.039. Epub 2004 Dec 16. PubMed PMID: 15694257.
14. Dorsey WC, Ford BD, Roane L, Haynie DT, Tchounwou PB. Induced mitogenic activity in AML-12 mouse hepatocytes exposed to low-dose ultra-wideband electromagnetic radiation. Int J Environ Res Public Health. 2005 Apr;2(1):24-30. PubMed PMID: 16705798; PubMed Central PMCID: PMC3814693.
15. Liu Y, Ford BD, Mann MA, Fischbach GD. Neuregulin-1 increases the proliferation of neuronal progenitors from embryonic neural stem cells. Dev Biol. 2005 Jul 15;283(2):437-45. doi: 10.1016/j.ydbio.2005.04.038. PubMed PMID: 15949792.
16. Xu Z, Ford GD, Croslan DR, Jiang J, Gates A, Allen R, Ford BD. Neuroprotection by neuregulin-1 following focal stroke is associated with the attenuation of ischemia-induced pro-inflammatory and stress gene expression. Neurobiol Dis. 2005 Aug;19(3):461-70. doi: 10.1016/j.nbd.2005.01.027. PubMed PMID: 16023588.
17. Ford G, Xu Z, Gates A, Jiang J, Ford BD. Expression Analysis Systematic Explorer (EASE) analysis reveals differential gene expression in permanent and transient focal stroke rat models. Brain Res. 2006 Feb 3;1071(1):226-36. doi: 10.1016/j.brainres.2005.11.090. Epub 2006 Jan 10. PubMed PMID: 16409990.
18. Dorsey WC, Tchounwou PB, Ford BD. Neuregulin 1-Beta cytoprotective role in AML 12 mouse hepatocytes exposed to pentachlorophenol. Int J Environ Res Public Health. 2006 Mar;3(1):11-22. PubMed PMID: 16823072; PubMed Central PMCID: PMC3785675.

19. Bhat GK, Sea TL, Olatinwo MO, Simorangkir D, Ford GD, Ford BD, Mann DR. Influence of a leptin deficiency on testicular morphology, germ cell apoptosis, and expression levels of apoptosis-related genes in the mouse. J Androl. 2006 Mar-Apr;27(2):302-10. doi: 10.2164/jandrol.05133. Epub 2005 Nov 22. PubMed PMID: 16304204.
20. Xu Z, Croslan DR, Harris AE, Ford GD, Ford BD. Extended therapeutic window and functional recovery after intraarterial administration of neuregulin-1 after focal ischemic stroke. J Cereb Blood Flow Metab. 2006 Apr;26(4):527-35. doi: 10.1038/sj.jcbfm.9600212. PubMed PMID: 16136057.
21. Clement CM, Thomas LK, Mou Y, Croslan DR, Gibbons GH, Ford BD. Neuregulin-1 attenuates neointimal formation following vascular injury and inhibits the proliferation of vascular smooth muscle cells. J Vasc Res. 2007;44(4):303-12. doi: 10.1159/000101776. Epub 2007 Apr 16. PubMed PMID: 17438359.
22. Li Y, Xu Z, Ford GD, Croslan DR, Cairobe T, Li Z, Ford BD. Neuroprotection by neuregulin-1 in a rat model of permanent focal cerebral ischemia. Brain Res. 2007 Dec 12;1184:277-83. doi: 10.1016/j.brainres.2007.09.037. Epub 2007 Sep 22. PubMed PMID: 17961519; PubMed Central PMCID: PMC2374743.
23. Croslan DR, Schoell MC, Ford GD, Pulliam JV, Gates A, Clement CM, Harris AE, Ford BD. Neuroprotective effects of neuregulin-1 on B35 neuronal cells following ischemia. Brain Res. 2008 May 19;1210:39-47. doi: 10.1016/j.brainres.2008.02.059. Epub 2008 Mar 4. PubMed PMID: 18410912; PubMed Central PMCID: PMC2442468.
24. Ford GD, Ford BD, Steele EC Jr, Gates A, Hood D, Matthews MAB, Mirza S, MacLeish PR. Analysis of transcriptional profiles and functional clustering of global cerebellar gene expression in PCD3J mice. Biochem Biophys Res Commun. 2008 Dec 12;377(2):556-561. doi: 10.1016/j.bbrc.2008.10.033. Epub 2008 Oct 16. PubMed PMID: 18930027; PubMed Central PMCID: PMC2628286.
25. Fisher M, Feuerstein G, Howells DW, Hurn PD, Kent TA, Savitz SI, Lo EH. Update of the stroke therapy academic industry roundtable preclinical recommendations. Stroke. 2009 Jun;40(6):2244-50. doi: 10.1161/STROKEAHA.108.541128. Epub 2009 Feb 26. Review. PubMed PMID: 19246690; PubMed Central PMCID: PMC2888275.
26. Saver JL, Albers GW, Dunn B, Johnston KC, Fisher M. Stroke Therapy Academic Industry Roundtable (STAIR) recommendations for extended window acute stroke therapy trials. Stroke. 2009 Jul;40(7):2594-600. doi: 10.1161/STROKEAHA.109.552554. Epub 2009 May 28. PubMed PMID: 19478212; PubMed Central PMCID: PMC2761073.
27. Li Y, Lein PJ, Liu C, Bruun DA, Tewolde T, Ford G, Ford BD. Spatiotemporal pattern of neuronal injury induced by DFP in rats: a model for delayed neuronal cell death following acute OP intoxication. Toxicol Appl Pharmacol. 2011 Jun 15;253(3):261-9. doi: 10.1016/j.taap.2011.03.026. Epub 2011 Apr 12. PubMed PMID: 21513723; PubMed Central PMCID: PMC3108263.
28. Liu C, Li Y, Lein PJ, Ford BD. Spatiotemporal patterns of GFAP upregulation in rat brain following acute intoxication with diisopropylfluorophosphate (DFP). Curr Neurobiol. 2012 Jul;3(2):90-97. PubMed PMID: 24039349; PubMed Central PMCID: PMC3772776.
29. Li Y, Lein PJ, Liu C, Bruun DA, Giulivi C, Ford GD, Tewolde T, Ross-Inta C, Ford BD. Neuregulin-1 is neuroprotective in a rat model of organophosphate-induced delayed neuronal injury. Toxicol Appl Pharmacol. 2012 Jul 15;262(2):194-204. doi: 10.1016/j.taap.2012.05.001. Epub 2012 May 11. PubMed PMID: 22583949; PubMed Central PMCID: PMC3607352.
30. Rodriguez-Mercado R, Ford GD, Xu Z, Kraiselburd EN, Martinez MI, Eterović VA, Colon E, Rodriguez IV, Portilla P, Ferchmin PA, Gierbolini L, Rodriguez-Carrasquillo M, Powell MD, Pulliam JV, McCraw CO, Gates A, Ford BD. Acute neuronal injury and blood genomic profiles in a nonhuman primate model for ischemic stroke. Comp Med. 2012 Oct;62(5):427-38. PubMed PMID: 23114047; PubMed Central PMCID: PMC3472608.

31. Pulliam JV, Xu Z, Ford GD, Liu C, Li Y, Stovall KC, Cannon VS, Tewolde T, Moreno CS, Ford BD. Computational identification of conserved transcription factor binding sites upstream of genes induced in rat brain by transient focal ischemic stroke. Brain Res. 2013 Feb 7;1495:76-85. doi: 10.1016/j.brainres.2012.11.052. Epub 2012 Dec 11. PubMed PMID: 23246490; PubMed Central PMCID: PMC3816791.
32. White TE, Ford GD, Surles-Zeigler MC, Gates AS, Laplaca MC, Ford BD. Gene expression patterns following unilateral traumatic brain injury reveals a local pro-inflammatory and remote anti-inflammatory response. BMC Genomics. 2013 Apr 25;14:282. doi: 10.1186/1471-2164-14-282. PubMed PMID: 23617241; PubMed Central PMCID: PMC3669032.
33. Solomon W, Wilson NO, Anderson L, Pitts S, Patrickson J, Liu M, Ford BD, Stiles JK. Neuregulin-1 attenuates mortality associated with experimental cerebral malaria. J Neuroinflammation. 2014 Jan 17;11:9. doi: 10.1186/1742-2094-11-9. PubMed PMID: 24433482; PubMed Central PMCID: PMC3906904.
34. White TE, Ford BD. Gene Interaction Hierarchy Analysis Can Be an Effective Tool for Managing Big Data Related to Unilateral Traumatic Brain Injury. 2015;. Review. PubMed PMID: 26269909.
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61. Ford GD, McGinley C. Adeyemi O, Oyolola O, Surles-Zeigler MC, Ford GD. Neuregulin-1 as a Context-Dependent Regulator of Neuroinflammation and Neural Repair: Mechanisms, Disease Relevance, and Therapeutic Challenges. 2026 (Submitted; Pre-print in Preprints.org; DOI: https://doi.org/10.20944/preprints202608.0956.v1).
62. Ford GD*, Noll JM*, McGinley C. Ford BD. High Plex-Spatiotemporal RNA Profiling following Ischemic Stroke in Mice. 2026 (in preparation)
63. Surles-Zeigler MC, Ford GD, McGinley C. Adeyemi O, Oyolola O, Zhang X, Ford BD. Peripheral Blood Transcriptomic Signatures Encode Time Since Ischemic Stroke Onset in Rhesus Macaques. 2026 (in preparation)

Book Chapters

T.E. White and **BD Ford**. (2015) Gene Interaction Hierarchy Analysis Can Be an Effective Tool for Managing Big Data Related to Unilateral Traumatic Brain Injury. Brain Neurotrauma. Molecular, Neuropsychological, and Rehabilitation Aspects. Edited by Firas H. Kobeissy CRC Press 2015. Pages 379–398. Print ISBN: 978-1-4665-6598-2. eBook ISBN: 978-1-4665-6599-9. DOI: 10.1201/b18126-33

Recent Abstracts:

Noll, JN and Ford, BD. (2021) Neuregulin-1 Induction of a Distinct Neuronal Growth Program Profile Post-Ischemia. https://doi.org/10.1161/str.52.suppl_1.P794. Stroke. 2021;52:AP794
Noll, J. and Ford, B. (2020) Neuregulin-1 Stimulates Breast Carcinoma Amplified Sequence 1+ Pre-Myelinating Oligodendrocytes Following Ischemic Stroke. https://doi.org/10.1161/str.51.suppl_1.WP157 Stroke. 2020;51:AWP157
Cespedes, J., Solomon, W., Wilson, N., Liu, M., Ford, B. and Stiles, J. (2017), Neuregulin-1 Attenuates Malarial Mortality Associated With Experimental Cerebral Malaria. Amer Soc Trop Med & Hygiene. Vol. 97, No. 5, Pp. 116-116.
Tamir, S., Li, Y., Ford, G., White, T., Distel, T., Cochran, S., Kashyap, T., Shacham, S. and Ford, B. (2017) KPT-350, a potent and selective inhibitor of XPO1, reduces neuronal injury and

regulates expression of genes associated with neuroprotection and inflammation after TBI. Brain Injury (Vol. 31, No. 6-7, pp. 992-993).
Ford, BD, Li, Y., Ford, G., White, T., Distel, T., Tamir. S., Shacham, S. (2016) The nuclear export inhibitor KPT-350 regulates gene expression associated with neuroprotection and inflammation in traumatic brain injury (TBI). 2016 Keystone Symposia Conference: Axons: From Cell Biology to Pathology, Santa Fe, NM
Surles-Zeigler, M, Bandrowski, A., Martone, M.E., Grethe, J., Li, Y, Ford, B. (2015) Ischemic stroke and Neuregulin-1: understanding mechanism using the Neuroscience Information Framework and biological approaches. 45th Annual Society for Neuroscience Meeting
Ford, BD (2015) Neuroprotective and Anti-inflammatory Roles for Neuregulins in Ischemic Stroke. Global Summit on Stroke, Birmingham, UK.
Paudyal, R., Li, Y., Wang. S., Ford, BD, Zhang, Z. (2015) Assessment of Blood Brain Barrier Permeability in the Rat Brain with Ischemic Occlusion Using DSC-MRI. Joint Annual Meeting ISMRM-ESMRMB in Toronto, Ontario, Canada.
Wang, S., Li, Y., Paudyal, R., Ford, BD, Zhang, Z. (2015) Monitoring Response to Neuregulin-1 in a Rat Model of Stroke Using Perfusion- and Diffusion Weighted MRI. Joint Annual Meeting ISMRM-ESMRMB in Toronto, Ontario, Canada.
Ford, BD, Li, Y., Ford, G., White, T., Distel, T., Tamir. S., Shacham, S. (2015) Neuroprotection by the nuclear export inhibitor KPT-350 in traumatic brain injury (TBI). 7th International Conference on Biochemical Markers for Brain Damage. Lund, Sweden
Surles-Ziegler, M.C., Li, Y., Gates, A.S, Ford, BD (2014) Overrepresented transcription factor binding sites identified following an animal model of ischemic stroke. 37th Annual Meeting of the Japan Neuroscience Society
T. E. White, G. D. Ford, A. Gates, M.C. LaPlaca, B. D. Ford. (2013) Genomic Analysis of Unilateral Traumatic Brain Injury Reveals Contralateral Suppression of Key Cell Death and Inflammatory Response Genes: Abstract and poster presented at the 15th International Symposium on Neural Regeneration (2013)

Scholarship and Research:

ACTIVE
R01NS125775, NIH Ford, Byron; Stiles, Jonathan (MPI) 01/01/22-12/31/26
Protective role of Neuregulin-1 against cerebral malaria-induced neuronal injury and behavioral sequelae
The goal of this grant is to examine the effects of neuregulin-1 in a mouse model of experimental cerebral malaria

U54MD007597-5485, NIH Ford, Byron 60/01/24-10/31/29
Neuregulin-1 as a Therapeutic Treatment of Ischemic Stroke
This proposal will examine the role of neuregulin-1 as a treatment for ischemic stroke

T34GM146637, NIH Ford, Byron; Rodgers, Victor; Herrick, Scott (MPI) 07/01/22-06/30/27
Bridges to the Baccalaureate Research Training Program at University of California, Riverside
The goal of the Riverside B2B program is to create a research education program to facilitate transfer of students into Biomedical and Behavioral science majors, with the ultimate goal of increasing participation of underrepresented minority groups in research-oriented careers in these areas.

PENDING
T32GM152772, NIH Ford, Byron; Rahmat, Sulman; Allard, Joanna-MPI 02/01/24-01/31/29

Howard University (HU) aims to establish a new Graduate Research Training Initiative for Student Enhancement (G-RISE) program to increase the number of underrepresented (UR) students achieving PhD degrees in biomedical and translational research scientific fields.

COMPLETED SUPPORT

R25GM119975, NIH Ford, Byron; Issac, Wolde-Ab (MPI) 07/01/17-06/30/23
Riverside Bridges to the Baccalaureate Program (B2B)
The goal of the Riverside B2B program is to create a research education program to facilitate transfer of students into Biomedical and Behavioral science majors, with the ultimate goal of increasing participation of underrepresented minority groups in research-oriented careers in these areas.
Role: PI

R01NS125775, NIH
Ford, Byron; Stiles, Jonathan (MPI)
01/01/22-12/31/26
Protective role of Neuregulin-1 against cerebral malaria-induced neuronal injury and behavioral sequelae

T34GM146637, NIH
Ford, Byron; Herrick, Scott (MPI)
07/01/22-06/30/27
Bridges to the Baccalaureate Research Training Program at University of California, Riverside

R25GM119975, NIH
Ford, Byron; Issac, Wolde-Ab (MPI)
07/01/17-06/30/23
Riverside Bridges to the Baccalaureate Program (B2B)

R01NS091616, NIH/NINDS
Ford, Byron; Stiles, Jonathan (MPI)
04/01/2016 – 03/31/2022
$60,325/year direct costs
Protective role of Neuregulin-1 against cerebral malaria-induced neuronal injury and behavioral sequelae

T0BHP30013, HRSA
Davis, Kendrick; Ford, Byron (MPI)
07/01/16-06/30/22
Agents of Change for a Healthier Tomorrow: Transformational Integration of Quality Improvement with Primary Care Education
Role: Co-PI

2020, University of California
Ford, Byron (PI)
07/01/21-06/30/24
“UC-HBCU Initiative”. The UC-HBCU Initiative seeking to improve diversity and strengthen UC graduate programs by investing in relationships between UC faculty and Historically Black Colleges and Universities (HBCUs).
Role: PI

PA20CA242620, NIH
Martinez (PI)
09/02/19-08/31/24
Drug Development and Capacity Building: A UCR/COH-CCC Partnership
Role: Co-Investigator

R21EB019166 (Babensee), NIH
07/01/2015-06/30/2017
"Multifunctional Biomaterial for Amelioration of MS in Murine EAE Model" The grant application revision has been submitted. The goal of this grant is to examine the effects of neuregulin-1 in a mouse model of experimental MS.
Role: Co-Investigator

R56NS09161, NIH
Ford/Stiles
04/01/15 - 03/30/17
"Protective Role Of Neuregulin-1 Against Cerebral Malaria Pathogenesis And Mortality" This grant is a one year bridge award for grant that received a 19th percentile score. The grant application revision has been submitted. The goal of this grant is to examine the effects of neuregulin-1 in a mouse model of experimental cerebral malaria
Role: Co-PI

W81XWH-10-2-0055; (Ford) 07/10-06/15
DoD $360,000/year direct costs (no cost extension)
Title: "Neuroprotective Roles for Neuregulins in the Treatment of Ischemic Stroke and TBI"
The major goal of this project is to characterize the neuroprotective effects of neuregulin-1 *in vivo* using a rat traumatic brain injury model.
Role: PI

DRL-1031475; (Ford) 07/11-12/15
NSF $250,000/year direct costs (no cost extension)
Title: "Promoting Our Worth as Entrepreneurs and Researchers in Innovative Technology"
The Proving Our Worth as Entrepreneurs and Researchers in Innovative Technology (POWER-IT) is a strategies project proposal that promotes Georgia high school students' education in advanced level IT and neuroscience.
Role: PI

U54NS083932-01 (MacLeish) 08/01/13 - 06/31/18 2.4 Cal. Months
NIH/NINDS $1,000,000/year direct costs
Morehouse School of Medicine Specialized Neuroscience Research
"The goal of this grant is to augment and strengthen research at the Neuroscience Institute in a way that is consistent with the mission of NINDS- to alleviate the burden of neurological disease; and the mission of MSM - to serve the underserved.
Role: Associate Scientific Director

5R01 NS056446 (Ford) 03/06-03/11
NIH/NINDS $133,000 (Total $800,000)
Title: "Novel Neuroprotective Roles for Neuregulins in the Treatment of Ischemic Stroke"
The major goal of this project is to characterize the neuroprotective effects of neuregulin-1 *in vivo* using the rat middle cerebral artery occlusion model.
Overlap: none

5U01 NS057993 (Ford) 07/06-06/11
NIH/NINDS $623,000 (Total $3,200,000)
Title: "Neuroprotective Roles for Neuregulins in Neurotoxin-mediated Neuronal Injury"
The major goal of this project is to characterize the neuroprotective effects of neuregulin-1 *in vivo* and *in vitro* from organophosphate chemical toxins that could be use in a chemical terrorism attack.
Overlap: none

5U01 NS062676 (Stein) 04/10-04/13 0.7 Calendar
NIH/NINDS $ 642,007
Title: "Progesterone in the Treatment of Ischemic Stroke"
The major goal of this project is to characterize the neuroprotective effects of progesterone *in vivo* following ischemic stroke.
Overlap: none

Agency: NSF
Type: Center for Behavioral Neuroscience (Agreement # IBN-9876754)
Period 11/03-11/10
Title: "Analysis of Gene Expression Profiles in Ischemic Brain Injury"
PI: Elliot Albers
Role: Subproject PI
The goal of this project was to examine gene expression in rat brain following focal ischemia and neuregulin-1 treatment using microarray analysis and bioinformatic tools.
Total cost: $230,000

Agency: Acorda Therapeutics
Type: Sponsored Research Agreement, Period 11/08-05/11
Title: "Regulation of Brain Injury by Glial Growth Factor 2"
PI: Byron Ford
Total direct cost: $211,800

Agency: NIH/NINDS
Type: U54, Cooperative agreement (NS34194) Period: 07/02-7/07
Title: "Neuroprotective Effect of Neuregulin in Ischemic Brain Injury"
PI: Peter MacLeish
Role: Subproject PI
Total Cost: $1,000,000

Agency: NSF (CBN; Agreement # IBN-9876754)
Type: CBN Venture Grant, Period: 1/05-12/06
Title: "Neuregulin-Mediated Synaptic Plasticity in the Acquisition of Conditioned Fear"
PI: Kerry Ressler & Byron Ford
Annual direct cost: $30,000

Agency: NIH/NINDS
Type: R01 Supplement (NS056446-01S1) Period: 02/06-01/11
Title: "Novel Neuroprotective Roles for Neuregulins in the Treatment of Ischemic Stroke"
Role: PI

This goal of this project is to develop a Stroke Preclinical Trials Consortia based on a common strategy: rodent models of stroke using MRI technology
Total cost: $70,000

Agency: NIH/NINDS
Type: RO1 Supplement (NS056446-01S2), Period: Period: 02/06-01/11
Title: "Novel Neuroprotective Roles for Neuregulins in the Treatment of Ischemic Stroke"
PI: Byron Ford
The goal of this supplement to my R01 grant is to develop a non-human primate stroke model to examine the neuroprotective efficacy of neuregulin-1 in ischemic stroke.
Total cost: $40,000

Recent Presentations:
Invited Speaker, Boston University Chobanian & Avedisian School of Medicine, 2024
Plenary Speaker, NSF/AAAS NSF 2023 HBCU-UP/CREST PI-PD Annual Meeting, 2023
Keynote Speaker, UCR Albert Stroberg Lecture Series, 2021
National Academies of Science, Engineering and Medicine, Workshop for Black Men and Black Women in Science, Engineering and Medicine, 2021
UCR Living the Promise, Campaign Celebration, 2021
National Academies of Science, Engineering and Medicine, Riverside's STEMM Workforce Needs in the Wake of COVID, 2020
California State University-Los Angeles, MORE Programs, Invited Speaker, 2020
Keynote Speaker, NINDS Career Symposium, NIH, Bethesda, MD, NIH, 2019
Keynote Speaker, Graduate Symposium, Meharry Medical College, 2019
Keynote Speaker, 5th Annual NEURAL Conference, Birmingham, AL, 2019
Affiliates of UCR, Invited Speaker, 2018
UCR Living the Promise, Tucson, AZ, 2018
UCR Living the Promise, Phoenix, AZ, 2018
Affiliates of UCR, Invited Speaker, 2017
UC Riverside SOM Psychiatry Grand Rounds, Invited Speaker, 2017
UCR/St. Bernadine's Hospital Grand Rounds, Invited Speaker, 2017
Keynote Speaker, George Howard Memorial Lecture, Meharry Medical College, 2016
20th Biennial Medical Defense Bioscience Review, US Army Medical Research Institute of Chemical Defense, Invited Speaker, 2016
UC Riverside SOM Biomedical Sciences Seminar Series, 2016
Zensun USA Biotech, Invited Speaker, 2016
Young Stroke 2015, Invited Speaker, 2015
Harold D. West, Ph.D. Distinguished Biomedical Scientist Award, Meharry Medical College, 2013
Keynote Speaker, Daniel T. Rolfe Memorial Symposium, Meharry Medical College, 2012
Keynote Speaker, Martinez-Townsel Endowed Lectureship in SPINES, Marine Biological Laboratories Special Lecture Series, 2012
Trans-Pacific Stroke Workshop, New Orleans, LA, Invited Speaker, 2012
FASEB Postdoctoral Fellows Workshop, Invited Speaker/Panelist, 2012
Morehouse College Biology Department Seminar Series, 2011
Southeast BIO (SEBIO) Investor Forum, 2010 (BIO/Plan Competition Winner)
University of Puerto Rico Medical Science Campus, 2010
Medical College of Georgia Neuroscience Seminar Series, 2009
Acorda Therapeutics Seminar Series, 2008
Albert Einstein College of Medicine Seminar Series, 2008

Society for Neuroscience Annual Meeting, Platform Speaker, 2007
Duke University, Neurology Seminar Series, 2006
International Symposium on Neuroprotection and Neurorepair: Cerebral Ischemia and Stroke, Magdeburg, Germany, 2006
International Symposium on Cerebral Blood Flow, Metabolism, and Function, Amsterdam, Netherlands, Platform Speaker, 2005
Keynote Speaker, Grambling State University, Faculty Appreciation Symposium, 2005
APA Minority Fellowship SPINES Program, Marine Biological Laboratories, 2005
Grambling State University, Annual Biomedical Research Symposium, 2005
Specialized Neuroscience Research Program Conference, Washington, DC, 2005
NAEHS Council Meeting, Invited Speaker, NIEHS, Bethesda, MD, 2004
Keynote Speaker, James A. Pulliam Memorial Lecture, Meharry Medical College, 2004
Society for Neuroscience Annual Meeting, Platform Speaker, 2004
APA Minority Fellowship SPINES Program, Marine Biological Laboratories, 2004
Louisiana State University LBRN Seminar Series, 2004
Howard University Biology Department Seminar Series, 2004
Specialized Neuroscience Research Program (SNRP) Conference, Nashville, TN 2004
Grambling State University, Biomedical Science Seminar Series, 2003
National Institute of Environmental Health Sciences, Seminar Series, 2003
Meharry Medical College, Annual Neurobiology Symposium, 2003
Clark-Atlanta University, Department of Biological Sciences Graduate Seminar, 2003
Specialized Neuroscience Research Program (SNRP) Conference, Honolulu, HI, 2003 Keynote Speaker, Mapp Symposium, Morehouse College, 2003
Hunter College, Neurobiology Seminar Series, Department of Biology, 2003
Keynote Speaker, Grambling State University, Biomedical Research Symposium, 2003
Meharry Medical College, Cellular & Behavioral Neurobiology Symposium, 2002
University of Alabama-Birmingham, Department of Cell Biology Seminar Series, 2002
Emory University, Department of Cell Biology Seminar Series, 2002
Specialized Neuroscience Research Program (SNRP) Conference, San Antonio, TX 2002

Patents:

2017 ***US Patent No.*** *"Composition and Method for reducing Tissue damage from Inflammatory Disorder or Pathogenic Infection"*
2017 ***US Patent No.*** *"Chimeric neuregulins and method of making and use thereof"*
2016 ***Japanese Patent No. 2,708,674*** "Compositions for the Prevention and Treatment of Neuroinjury and Methods of Use Thereof"
2015 ***Chinese Patent (Application No. 201080032113.X)*** "Methods And Compositions For Protecting And Treating Neuroinjury"
2015 ***US Patent No. 8.933,034*** "Chimeric neuregulins and method of making and use thereof"
2015 ***US Patent No 8,927,483*** "Neuregulins for Prevention and Treatment of Damage from Acute Assault on Vascular and Neuronal Tissues and Regulators of Stem Cell Migration"
2014 ***US Patent No. 8,791,067*** "Composition and Method for Reducing Tissue Damage from Inflammatory Disorder or Pathogenic Infection"
2014 ***US Patent No, 8,785,369*** "Neuregulins for Prevention and Treatment of Damage from Acute Assault on Vascular and Neuronal Tissues and Regulators of Stem Cell Migration"
2014 ***US Patent No. 8,748,131*** "Chimeric neuregulins and method of making and use thereof"
2014 ***Australian Patent No. (Issued 5/24/2014- Australian Patent Application Serial No. 2009303786)*** "Neuregulins for Prevention and Treatment of Damage from Acute Assault on Vascular and Neuronal Tissues"

2014 ***Canadian Patent No. 2,708,674*** “Compositions for the Prevention and Treatment of Neuroinjury and Methods of Use Thereof"
2013 ***US Patent No. 8,530,525*** "Methods And Compositions For Protecting And Treating Neuroinjury"
2012 ***Canadian Patent No. 2,658,326*** “Neuregulins for Prevention and Treatment of Damage from Acute Assault on Vascular and Neuronal Tissues”
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