



EDUCATION

Mayo Clinic Fellowship

Certificate in Clinical and Translational Research

Rochester, MN 2013

Augusta University (Formerly: Medical College of Georgia)

Ph.D. in Neuroscience

Augusta, GA 2011

Columbus State University

B.S. in Pre-Medicine Biology

Columbus, GA 2005

RESEARCH EXPERIENCE

University of New Mexico

Research Assistant Professor

Department of Neurology

Albuquerque, NM 2013-2016

Mayo Clinic

Rochester, MN

Assistant Professor in Physiology

NIH K-12 Scholar: *Building Interdisciplinary Careers in Women's Health (BIRCWH)*

Rochester, MN 2011-2013

Augusta University

PhD student

Neuroendocrinology

Institute of Molecular Medicine and Genetics

Augusta, GA 2006-2011

SELECTED PUBLICATIONS

1. MMP-9 inhibitors impair learning in spontaneously hypertensive rats. PLoS One, 2018.
2. Hypoxia promotes tau hyperphosphorylation with associated neuropathology in vascular dysfunction. Neurobiol Dis, 2019.
3. Differential effects of hormone therapy on serotonin, vascular function and mood in the KEEPS. Climacteric, 2015.
4. Differential effects of oral and transdermal menopausal hormone therapy on prostacyclin and thromboxane in platelets. Physiological Reports, 2014.
5. Thrombogenic microvesicles and white matter hyperintensities in postmenopausal women. Neurology, 2012.
6. Acetylation of the pro-apoptotic factor, p53 in the hippocampus following global cerebral ischemia and modulation by estrogen. PLoS ONE, 2011.
7. Estrogen neuroprotection against cerebral ischemia involves attenuation of neuronal NADPH oxidase activation via an ER α -Akt-Rac1 signaling pathway. J. Neuroscience, 2009.

SELECTED PRESENTATIONS

1. White matter hyperintensities in recently menopausal women are associated with platelet-derived surrogate markers for cardiovascular risk. American Academy of Neurology 65th Annual Meeting, 2013.
2. Gender comparisons of neuronal NADPH oxidase-mediated superoxide production and downstream pro-apoptotic mechanisms contributing to global cerebral ischemia damage in the hippocampus CA1. 5th International Congress on Gender Medicine, 2010.
3. Estrogen inhibits activation of NADPH oxidase and superoxide production in the hippocampus CA1 following cerebral ischemia: role in estrogen-induced neuroprotection. Society for Neuroscience National Meeting, 2008.

AWARDS

- 1. Travel Fellowship**
Alzheimer's Association International Conference, 2016
- 2. Jag20 Emerging Alumni Leadership Award**
Georgia Regents University, 2014
- 3. Trainee Day Travel Award**
Endocrine Society, 2012
- 4. Mentorship Program**
North American Menopause Society, 2011-2013
- 5. Scholarship in Neuroscience**
GA Regents University, 2010
- 6. Research Excellence in Endocrinology Award**
2010
- 7. Travel Award**
Joint South East Nerve Net and GA/SC Neuroscience Consortium
2010
- 8. First Place Research Recognition Award**
American Physiological Society, 2009
- 9. Travel Award**
American Physiological Society, 2009
- 10. Honors Program Study Abroad Scholarship**
Columbus State University, 2005
- 11. Honors Program Award**
Columbus State University, 2004, 2005
- 12. Dean's List**
Columbus State University, 2001-2005
- 13. Mildred Miller Ford Scholar**
Columbus State University, 2004
- 14. Charles R. Leadership Award Finalist**
Columbus State University, 2003

TEACHING

- 1. Brain Boosters Classes** – Designed to supercharge the young child’s brain through movement and play for children ages 1-5.
Role: Course instructor and creator
Dates: April 2023 – May 2023
Location: Waunakee Village Center, Waunakee, WI
- 2. BIOMED 525 – Journal Club Course**
Role: Course co-director
Dates: Aug 2014 – 2016
Location: University of New Mexico, Albuquerque, NM.
- 3. CAC Capstone Presentations**
Role: Faculty preceptor
Dates: Nov 2015 – Apr, 2016
Location: University of New Mexico, Albuquerque, NM.
- 4. Interprofessional Community Engagement Course**
Role: Faculty facilitator
Dates: Oct 2015 - Apr, 2016
Location: University of New Mexico, Albuquerque, NM.
- 5. Neuroscience Block - Problem Based Learning**
Role: Faculty facilitator
Dates: *Jan 2014 – Feb 2014*
Location: University of New Mexico, Albuquerque, NM.
- 6. Health Equity Course**
Role: Faculty facilitator
Dates: July 2014; July 2015
Location: University of New Mexico, Albuquerque, NM

COMPANY

Little Neurons, LLC Founder
Established: May 9, 2023

COMMITTEES

Patient Review Committee for the Vision Grant Award
Preeclampsia Foundation, Florida (July 2019)

Promise Walk for Preeclampsia Fundraiser
Madison, WI (June 2019)

Faculty Member, Qualifying Examination Committee for Biomedical Sciences Graduate
Program – First year PhD students; University of New Mexico (April 2016)

Faculty Advisor, Curriculum Improvement Committee – Health Equity Course in Medical
School; University of New Mexico (October 2015)

AFFILIATIONS

1. The Wisconsin Registry
Role: Content Specialist
Duration: March 2023 – Present
2. Evolving in Education Nonprofit
Role: Consultant and group administrator
Duration: April 2023 - Present