

**Tammi Taylor, PhD**  
1400 J. R. Lynch Street  
PO Box 18540  
Jackson, MS 39217  
Tammi.m.taylor@jsums.edu  
601-979-0394 (office)

**Education:**

- 2013-2014 USDA Postdoctoral Fellow, Fish Biologist, USDA, Stoneville, MS  
Water Aquaculture Center  
Mentor: Nagaraj Chatakondi, PhD
- 2010-2013 Fellowship in Research and Science Teaching (FIRST)  
Postdoctoral Research Fellow, Emory University, Atlanta, GA,  
Department of Anesthesiology  
Mentor: Ling Wei, MD and Shan Ping Yu, MD Ph.D.
- 2004-2010 Ph.D., Department of Microbiology and Immunology,  
Indiana University, Indianapolis, IN; Dissertation: Mouse  
Embryonic Stem Cells Express Functional Toll-Like  
Receptor 2  
Mentor: Hal E. Broxmeyer
- 2002-2004 M.S., Department of Biology, Jackson State University,  
Jackson, MS; Thesis: The Role of the N-Terminal Domain of  
Signal Transducer Activator of Transcription (STAT)-4
- 1998-2002 B.S., Biology, Tougaloo College, Tougaloo, MS

**Professional Experience:**

- 2016-current Assistant Professor, Jackson State University, Department  
of Biology, Jackson, MS
- 2014-2016 Researcher, Emory University, Department of Anesthesiology,  
Atlanta, GA
- 2013-2014 Fish Biologist, United States Department of Agriculture Stoneville,  
MS
- 2012-2013 Part-Time Faculty, Georgia Gwinnett College, Department of  
Biology, Lawrenceville, GA

- 2011-2012 Adjunct Faculty, Spelman College, Department of Environmental Science, Environmental Science, Atlanta, GA
- 2010-2011 Adjunct Faculty, Clark Atlanta University, Department of Science and Technology, Cell and Molecular Biology Teaching Mentor Godwin Ananaba, Ph.D, Clark Atlanta University, Atlanta, GA
- 2010 Lecturer, Emory University, Course within a Course FIRST, Teaching Mentor: Arri Eisen, PhD Atlanta, GA
- 2008-2009 Laboratory Professor Microbiology, Indiana University School of Nursing, Microbiology Lab for Nursing Students, Indianapolis, IN
- 2004 Bridges to Doctorate Pre-doctoral Fellow, Indiana University, Indianapolis, IN Summer Student: Microbiology and Immunology Mentor: Alexander Dent, Ph.D.
- 2003 Bridges to Doctorate Pre-doctoral Fellow, Indiana University, Indianapolis, IN Summer Student: Microbiology and Immunology; Mentor: Mark Kaplan, Ph.D.
- 2002 McNair Scholar University of North Texas Science Center, Fort Worth, TX McNair Scholar Summer Student: Public Health;Mentor: Mark Garner Ph.D.
- 2000 Leadership Alliance Summer Research Program, Brown University, Providence, RI Summer Research Early Identification Program- Summer Research: Clinical Hematology Mentor: Loren D. Fast, Ph.D.

### **Honors, Awards, and Fellowships:**

- 2010-2013 Fellowship In Research and Science Teaching, Emory University School of Medicine NIH K12 GM000680-11
- 2012 Allexrod Travel award, Society for Neuroscience, New Orleans, Louisiana
- 2011 Leadership Alliance National Symposium, Doctoral-Scholar Award; Greenwich, CT
- 2007-2010 Edwin T. Harper Scholar, Institutional Training Grant, Indiana University School of Medicine NIH R25 GM079657

- 2003-2004 Bridges to Doctorate Pre-doctoral Fellow, Jackson State University and Indiana University NIH R25 GM067592
- 2000 Bessie Irene Smith Scholarship/UNCF, Tougaloo College
- 1999 Tenneco Scholarship/UNCF, Tougaloo, College Conferences

### **National Meetings:**

- 2015 Leadership Alliance, Doctoral Scholar, Hartford, CT
- 2012 Society for Neuroscience, Oral Presentation, New Orleans, LA
- 2011 IRACDA Meeting Baylor University, Poster Presentation, Houston, TX
- 2011 Society for Neuroscience, San Diego Convention Center, San Diego, CA
- 2011 IRACDA Conference Tufts University, Poster Presentation, Boston, MA
- 2010 Keystone Symposium, Vanderbilt University, Oral Presentation Nashville, TN
- 2009 51st Annual American Society of Hematology Conference, Poster Presentation, New Orleans, LA
- 2009 NOBCChe Regional Biotechnology Conference, Poster Presentation, Indianapolis, IN
- 2009 Leadership Alliance National Symposium, Moderator for Undergraduate Oral Presentations, Chantilly, VA
- 2008 NOBCChe Regional Biotechnology Conference, Judge for Undergraduate and High School Presentations, Indianapolis, IN
- 2007 49th Annual American Society of Hematology Conference, Atlanta, GA

- 2005 Rocky Mountain Conference, Colorado State University, Poster Presentation, Denver, CO
- 2004 FASEB, New Orleans Convention Center Poster Presentation New Orleans, LA

**Publication:**

Wei ZZ, Yu SP, Lee JH, Chen D, **Taylor TM**, Deveau TC, Yu AC, Wei L. Regulatory role of the JNK-STAT1/3 signaling in neuronal differentiation of cultured mouse embryonic stem cells. *Cell Mol Neurobiol*. 2014 Aug;34(6):881-93. doi: 10.1007/s10571-014-0067-4. Epub 2014 Jun 10

Wei N, Yu SP, Gu X, **Taylor TM**, Song D, Liu XF, Wei L. Cell Delayed intranasal delivery of hypoxic-preconditioned bone marrow mesenchymal stem cells enhanced cell homing and therapeutic benefits after ischemic stroke in mice. *Cell Transplant*. 2013;22(6):977-91. doi: 10.3727/096368912X657251. Epub 2012 Oct 2.

Zeng X, Yu SP, **Taylor T**, Ogle M, Wei L. Protective effect of apelin on cultured rat bone marrow mesenchymal stem cells against apoptosis. *Stem Cell Res*. 2012 May;8(3):357-67. doi: 10.1016/j.scr.2011.12.004. Epub 2011 Dec 13.

Hu, X., L., Wei, **Taylor, T.**, J., Zhou, X., Wang, J. and Yu, S.P. (2011). Hypoxic Preconditioning Enhances Bone Marrow Mesenchymal Stem Cell Migration via Kv2.1 Channel and FAK Activation. *American Journal of Physiology, Cell Physiology* 301:1-11.

Ou, X., Chae, H.D., Wang, R.H., Shelley, W.C., Cooper, S., **Taylor, T.**, Kim, Y.J., Deng, C.X., Yoder, M.C., Broxmeyer, H.E. (2011). SIRT1 deficiency compromises mouse embryonic stem cell hematopoietic differentiation, and embryonic and adult hematopoiesis in the mouse. *Blood*. 117(2):440-50.

**Taylor, T.M.**, Kim, Y.-J., Ou, X., Derbigny, W., Broxmeyer, H.E. (2010). Toll like receptor 2 mediates proliferation, survival, NFkb translocation, and cytokine mRNA expression in LIF-maintained mouse embryonic stem cells. *Stem Cells and Development*. 19(9):1333-41.