
EDUCATIONAL HISTORY

MBA, Capital University, August 2010, *with distinction*

Ph.D., Biomedical Sciences, Wright State University, November 2004

B.A. Biological Sciences, Wright State University, June 1999

POSITIONS HELD

Current Appointments

2020-present – Associate Director of the Center of Emergent Materials, The Ohio State University

Provide leadership to the center, serve as a member of the Executive Committee, and oversee diversity and inclusion efforts in partnership with Executive Committee.

2020-present – Director, ARFL MSI Consortium, The Ohio State University College of Engineering,

Oversee the consortium operations team charged with executing the day to day operations of the partnership. Work with the consortium leadership team to manage the execution of the goals of the collaborative agreement.

2015-present – Assistant Dean of Graduate Programs and Assistant Professor of Practice, Department of Biomedical Engineering, The Ohio State University College of Engineering

As a member of the college leadership team responsibilities include oversight of graduate education for 16 graduate programs at the college level and providing support to the graduate programs and students of the college. Grant writing and publishing. Increase the visibility of graduate education at the college, university, and national level and represents the college on committees. Oversee recruitment efforts with a focus on increasing diversity. Responsible for the development and implementation of professional development opportunities for graduate students and postdoctoral trainees. Works to identify and pursue external funds to support graduate fellowships and support services. Manages the office and fellowship budget and supervises staff and a graduate student. On the faculty side, responsibilities include participation in teaching, scholarship and service to the department, college and university.

2012- 2015 – Graduate Program Manager, The Ohio State University College of Engineering

Responsibilities include oversight of graduate education for 15 graduate programs at the college level. Lead college level graduate studies initiatives and create and manage partnerships/agreements with external engineering programs. Builds and strengthens collaborative relations with and serves as the primary liaison to intra-and inter-university colleges and units. Develop strategic plans for the office. Oversee recruitment efforts with a focus on increasing diversity. Responsible for the development and implementation of professional development opportunities for graduate students and postdoctoral trainees. Works to identify and pursue external funds to support graduate fellowships and support services. Manages budget and allocates and awards fellowships. Tracks and analyzes graduate data and outcomes. Increase the visibility of graduate education at the college, university, and national level and represents the college on committees.

- Chair, University Graduate Recruitment Committee
- Developed 7 professional development workshops and events for graduate students and postdocs
- Created and Chair, Graduate Student Advisory Committee
- Created Engineering Graduate Ambassadors student organization

2009-2012 Research Assistant Professor and Directors of DENTPATH and Minority Student Recruitment, The Ohio State University College of Dentistry
Reporting to the Chair of Oral Biology and Associate Dean for Research the responsibilities included teaching dental students and designing and conducting medical-related research. Mentor, advise, and train undergraduate and graduate student researchers.

Reporting to the Dean of the College of Dentistry the responsibilities included oversight of college recruitment efforts and *development and implementation of strategic recruitment plans* to successfully recruit and retain students. Successfully manage the admissions process and daily operations of an educational enrichment post-baccalaureate program and participated in the admissions process for dental students. Provided leadership for the development of policies to facilitate student academic success and as Director, student academic performance significantly increased.

2006-2009 National Institutes of Health CTOC Post- Doctoral Fellow and Instructor, Section of Oral Biology, The Ohio State University College of Dentistry Sponsor: Dr. John F. Sheridan

2006-2004 Post-Doctoral Researcher, Molecular Virology, Immunology and Medical Genetics, The Ohio State University

1999-2004 Graduate Researcher and Teaching Assistant, Department of Biological Sciences, Wright State University, Advisor Dr. Michele G. Wheatly

FUNDING

Air Force Research Laboratory MSI Consortium	\$4,000,000	Awarded
NSF Research Experience for Undergraduates	\$386,231	Awarded
Clare Boothe Luce Program Graduate Fellowships	\$269,810	Awarded

TEACHING EXPERIENCE

Courses Taught

2017- Current Biomedical Engineering Professional Development, Department of Biomedical Engineering, The Ohio State University

2010 Summer Course Director of Medical Biochemistry, Section of Oral Biology, The Ohio State University College of Dentistry

2008-2015 Instructor of Medical Biochemistry, Section of Oral Biology, The Ohio State University College of Dentistry

2008-2015 Instructor of Microbiology and Immunology, Section of Oral Biology, The Ohio State University College of Dentistry

2001-2002 Laboratory Instructor of Vertebrate Histology, Department of Biological Sciences, Wright State University

2001-2002 Teaching Assistant of Molecular Genetics, Department of Biological Sciences, Wright State University

Graduate Mentees

2009- 2012 Brenda Reader
2009- 2011 Eric Wohleb
2007- 2008 Rebecca Allen
2001-2002 Daniel Whalen
2002-2003 Minal Nade

Undergraduate Research Mentees

2010-2011 Jack Minnillo
2010-2011 Selawit Adamsu
2004 Ashkahn Golshani
2002-2004 Zeenat Jamal
2000-2003 Lisa Kelly

PROFESSIONAL DEVELOPMENT OF TEACHING

-Course Design Institute Training, Ohio State University Center for the Advancement of Teaching, 2010

UNIVERSITY AND PROFESSIONAL SERVICE

Department Level Service

-Biomedical Engineering Graduate Student Association, 2015-2017
-Graduate Studies Committee, 2015-2018
-Diversity Action Committee, 2019-present

College Level Service

-Campus Reopening Committee, 2021
-Member, Inclusive Excellence Council, 2019-present
-Founder and Advisor, Society of Black Graduate Engineers (SBGE), 2017-present
-Founder, Latino/Latina Graduate Student Engineering Association (LLEGA), 2017
-Founder and Advisor, Engineering Graduate Ambassadors (EGA), 2015
-GEM Executive Committee member, 2015-present
-Undergraduate Honors Committee, 2013-present
-Chair and ex-officio member, College of Engineering Graduate Studies Committee, 2012-present
-Co-Chair, College of Engineering BS/MS Program Review Committee, 2013-2016
-College of Engineering eLearning Taskforce, 2012-2016
-College of Dentistry Admissions Committee, 2009-2012
-Academic Progress Committee, 2010-2012
-College of Dentistry Cultural Awareness Committee, 2010-2012

University Service

-Strategic Graduate Enrollment Planning Committee, 2021
-GA Effort and Academic Progress Initiative, 2019
-Chair, Taskforce on Comprehensive Review in Graduate Admissions, 2019-present
-Serve on the Arts and Sciences Executive Dean and Vice Provost search committee, 2018-present
-Serve on the Vice Provost for Graduate Studies and Dean of the Graduate School search Committee, 2017-2018
- Serve as a member of the Interdisciplinary Graduate Programs review team, 2017-2018

- Campus Conversation on Graduate Education Diversity and Inclusion Working Group, 2017
- GA/Postdoc Compensation Committee, 2017
- Office of Postdoctoral Affairs Proposal Committee 2016
- Chair, Graduate Recruitment Committee 2013-2015
- Postdoctoral Advisory Committee, 2013-present
- Diversity Leadership Symposium Planning Committee, 2014-2015
- OSU Diversity Officers Working Group, 2011-2015
- Professional School Recruitment Committee, 2009-2012
- Undergraduate and First Year Experience Diversity Committee, 2009-2012

Outreach and Professional Service

- CoE Undergraduate Research Day Judge, 2015
- Hayes Research Forum judge, 2014,
- WEPAN Conference Planning Committee, 2013-present
- Institute for Behavioral Medicine Research Day Judge, 2010-2012
- College of Dentistry Research Day Judge, 2010-2012
- Guest Speaker: Ohio State Uni. Life Sports Summer Program, 2010-2012
- Health Science Exploration Program, 2011-2012
- Institute for Behavioral Medicine Research Day Planning Committee, 2008
- Student Research Opportunities Program Panelist, 2009
- Guest Speaker: Ohio State Uni. Young Scholars Program, 2009—2011
- Guest Speaker: Young Women Empowerment Conference, 2009
- Ohio Science and Engineering Alliance (OSEA), 2003-2006
- High school and undergraduate mentor and science fair judge, 2001-2012

Achievements and Awards

- Best Paper Award by American Society for Engineering Education, 2019
 - Nominated for Best Diversity Paper Award, American Society for Engineering Education, 2019
 - Executive Leadership in Academic Technology and Engineering (ELATE) Fellow, 2018-19
 - College of Engineering Faculty Diversity Excellence Award, April 2018
 - Research Selected for Oral Presentation at the PsychoNeuroImmunology Conference May 28-31 2008
- Graduate Student Presentation Honorable Mention. Cellular and Molecular Physiology of Sodium-Calcium Exchange. October 10-14 2001. Banff, Canada.

Professional Memberships

- American Society for Engineering Education, 2016-present
- Biomedical Engineering Society, 2015-present
- The National GEM Consortium, 2013-present
- American Association of Immunologists, 2006-2016
- Psychoneuroimmunology Research Society, 2006-2013
- American Physiological Society, 1999-2004

Fellowships and Scholarships

- NIH Minority Research Salary Supplement, 2005-2006
- NIH research award STREAMS, (Short Term Research Experience Access for Minority Students), 1998 and 1999
- APS Minority Travel Fellowship, Experimental Biology, Washington D.C., 2004
- APS Minority Travel Fellowship, The Power of Comparative Physiology:

Evolution, Integration, and Application, San Diego, CA., 2002

APS Minority Travel Fellowship, Cellular and Molecular Physiology, Banff, Canada, 2001

APS Minority Travel Fellowship, Experimental Biology, San Diego, CA., 2000

APS Minority Travel Fellowship, Experimental Biology, Washington D.C., 1999

PUBLICATIONS

Refereed Book Chapters

Stiner, L. M., Y. Gao, and M. G. Wheatly. 2004. Upregulation of NCX protein in hepatopancreas and antennal gland of freshwater crayfish associated with elevated Ca^{2+} flux. In: Cell Volume and Signaling: Advances in Experimental Medicine and Biology, 559, pp 411-413.

Refereed Publications

1. Stiner-Jones L. Work in Progress Preparing the Next Generation of Biomedical Engineering Researchers by Leveraging a Research Experience for Undergraduates. (2021). *American Society for Engineering Education Annual Illinois-Indiana Section Conference*, Virtual. Accepted
2. Stiner-Jones L. REU SITE: Preparing the Next Generation of Biomedical Engineering Researchers. (2020). *American Society for Engineering Education Annual Conference and Exposition*, Indianapolis, IN. Accepted (But conference and publication cancelled due to pandemic.)
3. Stiner-Jones L. and Windl W. Work in Progress: Aligning What We Want With What We Seek: Increasing Comprehensive Review in the Graduate Admissions Process. (2019). *American Society for Engineering Education Annual Conference and Exposition*, Tampa, FL.
4. Stiner-Jones L. The Effectiveness of an On-Campus Open House Targeting Underrepresented Student. (2018). *American Society for Engineering Education Annual Conference and Exposition*, Salt Lake City, UT.
5. Stiner-Jones L. Promoting an Inclusive Culture. (2018). *American Society for Engineering Education Annual Conference and Exposition*, Salt Lake City, UT.
6. Hanke ML, Powell ND, **Stiner LM**, Bailey MT, Sheridan JF. Beta adrenergic blockade decreases the immunomodulatory effects of social disruption stress. (2012). *Brain Behavior and Immunity*, Oct;26(7):1150-9.
7. Rebecca Allen, William Lafuse, Nicole Powell, Jeanette Webster Marketon, **LaTonia Stiner-Jones**, John F. Sheridan, and Michael Bailey. (2012). Stressor-induced increase in microbicidal activity of splenic macrophages is dependent upon peroxynitrite production. *Infection and Immunity*, Oct;80(10):3429-37
8. Wohleb, ES, M.L. Hanke, A.W. Corona, N.D. Powell, **L.M. Stiner**, M.T. Bailey, R.J. Nelson, J.P. Godbout, J.F. Sheridan. 2011. Beta-adrenergic receptor antagonism prevents anxiety-like behavior and microglial reactivity induced by repeated social defeat. *J. Neurosci*, 31(17), 6277-88.
9. Powell, N.D., M.T. Bailey, J.W. Mays, **L.M. Stiner-Jones**, M.L. Hanke, D.A. Padgett, J.F. Sheridan. 2009. Repeated social defeat activates dendritic cells and enhances Toll-like receptor dependent cytokine secretion. *Brain Behav Immun*, 23(2), 225-31.
10. Engler, H., M.T. Bailey, **L.M. Stiner-Jones**, A. Engler, N. Quan, J.F. Sheridan. 2008. Interleukin-1 receptor type 1 deficient mice fail to develop stress-associated glucocorticoid resistance in the
11. Wheatly, M.G., Y. Gao, **L.M. Stiner**, D.R. Whalen, M. Nade, F. Vigo, A.E. Golshani. 2007. Roles of NCX and PMCA in basolateral calcium export associated with mineralization cycles and cold acclimation in crayfish. *New York Annals of Science*, 1099, 190-192.

12. **Stiner, L.M.**, Z. Zhang, M.G. Wheatly. 2002. Localization and molecular characterization of the crayfish NCX. *Annals of the New York Academy of Sciences*, 976, 77- 80.
13. Wheatly, M.G., Z. Zhang, J.R. Weil, J.V. Rogers, **L. Stiner**. 2001. Novel subcellular and molecular tools to study calcium transport mechanisms during the elusive moulting stages of crustaceans: flow cytometry and polyclonal antibodies. *Journal of Experimental Biology*, 204, 959-966.

Non-Refereed Publications

1. Wheatly, M.G., Y. Gao, **L.M. Stiner**, D.R. Whalen, M. Nade, F. Vigo, A.E. Golshani. 2007. Roles of NCX and PMCA in basolateral calcium export associated with mineralization cycles and cold acclimation in crayfish. *Proceedings of the Society for Integrative and Comparative Biology*, P1.88.
2. **Stiner, L. M.**, Y. Gao and M. G. Wheatly. 2004. Upregulation of NCX mRNA in kidney and liver of freshwater crayfish *Procambarus clarkii*. *The FASEB Journal*. 18, Abstract # 458.11.
3. **Stiner, L. M**, Y. Gao and M. G. Wheatly. 2003. Upregulation of NCX mRNA in antennal gland and hepatopancreas of freshwater crayfish *Procambarus clarkii*. Proceedings of the 3rd International Symposium on Cell Volume and Signaling. A 56.
4. **Stiner, L.M.**, Z. Zhang, M.G. Wheatly. 2002. Localization and molecular characterization of the crayfish NCX. *Physiologist*, 45 (4), 35.
5. Wheatly, M.G., Z. Zhang, and **L.M. Stiner**. 2001. Characterization and localization of crayfish Ca pump and exchanger. Proc. Society for Integrative and Comparative Biology, 426.
6. **Stiner, L.M.**, M.G. Wheatly, Z. Zhang, J.V. Rogers, and B.E. Hull. 2001. Tissue specific expression of NCX throughout the crayfish molting cycle. *The FASEB Journal*, 15 (4), A412.
7. **Stiner, L.M.**, M.G. Wheatly, Z. Zhang, and M.G. Hubbard. 2001. The role of NCX in crustacean calcium homeostasis: molecular and physiological characterization. *Physiologist*, 44 (4), 244 A3.60.
8. **Stiner, L.M.**, J.R. Weil, Z. Zhang, and M.G. Wheatly. 2000. The binding of heterologous and homologous NCX antibodies to crayfish muscle. *The FASEB Journal*, 14 (4), A46.
9. Wheatly, M.G., Z. Zhang, and **L.M. Stiner**. 2000. Antibodies to crayfish Ca pump and exchanger. *Proceedings of the Society for Experimental Biology*. A. 10.19.
10. Wheatly, M.G., Z. Zhang, **L.M. Stiner**, J.R. Weil, and M.G. Hubbard. 2000. Cellular and molecular biology of calcium transporters: a crustacean model for calcium homeostasis. *The FASEB Journal*, 14 (4), A598.
11. Wheatly, M.G., Z. Zhang, J.R. Weil, J.V. Rogers, and **L.M. Stiner**. 2000. Novel subcellular and molecular tools to study calcium transport mechanisms during the elusive molting stages of crustaceans. *Proc. Lake Cumberland Transport Meeting*, June.
12. **Stiner, L.M.**, J.R. Weil, K.D. Philipson, and M.G. Wheatly. 1999. A study of the binding of squid neuronal (NCX-SQ1) and canine cardiac (NCX1) Na/Ca exchanger isolated from the freshwater crayfish (*Procambarus clarkii*) using flow cytometry. *The FASEB Journal*, 13 (5), A713.
13. Wheatly, M.G., Z. Zhang, M.G. Hubbard, **L.M. Stiner**, and J.R. Weil. 1999. Molecular and physiological characterization of the Na/Ca exchanger in crayfish epithelia. *Comparative Biochemistry and Physiology*, 124 A, S143.
14. Wheatly, M.G., Z. Zhang, and **L.M. Stiner**. 1999. Antibodies to crayfish Ca pump and exchanger. *American Zoologist*, 39 (5), A391.

Presentations at Scientific Meetings

1. **Stiner-Jones**, "The Effectiveness of an On-Campus Open House Targeting Underrepresented Students" American Society for Engineering Education Conference. June 24-27 2018.
2. **Stiner-Jones**, "Promoting an Inclusive Culture" American Society for Engineering Education Conference. June 24-27 2018.
3. **Stiner-Jones**, "Promoting an Inclusive Culture: Outcomes from Active Bystander Training" National Conference on Diversity Race and Learning". May 6-7 2018.
4. **Stiner-Jones**, "Diversifying our Graduate Application Pool" Women in Engineering ProActive Network Conference. June 14-16 2016.
5. **Stiner, L M**, Weil, J, Philipson, K D, Wheatly, M G; "Binding of the squid neuronal (NCX-SQ1) and canine cardiac (NCX1) Na/Ca exchanger antibodies to the crayfish kidney and liver Na/Ca exchanger BLMV's using ELISA" Ohio Physiological Society Meeting. Nov 28, 1998.
6. **Stiner, L M**, Weil, J, Philipson, K D, Wheatly, M G, "Binding of the squid neuronal (NCX-SQ1) and canine cardiac (NCX1) Na/Ca exchanger antibodies to the crayfish kidney and liver Na/Ca exchanger BLMV's using ELISA" Experimental Biology. Apr 17-21 1999.
7. **Stiner, L M**, Wheatly, M G, Zhang, Z, Rogers, J V, Hull, B E, "Tissue specific expression of NCX in crayfish: The molting cycle" Experimental Biology. April 15-18 2000.
8. **Stiner, L. M.**, Hubbard, M. G., Zhang, Z., Wheatly, M. G., "The role of NCX in crustacean calcium homeostasis: Molecular and physiological characterization" Cellular and Molecular Physiology of Sodium-Calcium Exchange. October 10-14 2001.
9. **Stiner, L.M.**, Zhang, Z., Gao, P., Wheatly, M.G., "Localization and molecular characterization of the crayfish NCX" The Power of Comparative Physiology: Evolution, Integration, and Application. August 24-28 2002.
10. **Stiner, L.M.**, Gao, Y., Wheatly, M.G., "Expression of NCX mRNA during the Molting Cycle of the Freshwater Crayfish *Procambarus clarkii*" The International Cell Volume Symposium. Sept 22-24 2003.
11. **Stiner, L.M.** Hanke, ML., Powell, ND., Padgett, DA., and Sheridan, JF. "Social Disruption Stress Enhances CD4+ T cell Activation During Influenza Infection" Ohio State University IBMR Research Day. May 22, 2007.
12. **Stiner, L.M.** Hanke, ML., Powell, ND., Padgett, DA., and Sheridan, JF. "Social Disruption Stress Enhances CD4+ T cell Activation, Migration, and Survival During Influenza Infection" Ohio State University IBMR Research Day. May 20, 2008.
13. **Stiner, L.M.** and Sheridan, JF. "Molecular Mechanisms of Social Stress Induced Glucocorticoid Resistance in Macrophages" Ohio State University College of Dentistry Research Day. Feb 17, 2009.

14. **Stiner, L.M.** and Sheridan, JF. "Molecular Mechanisms of Social Stress Induced Glucocorticoid Resistance in Macrophages" American Association of Immunologists. May 8-11 2009.
15. **Stiner, L.M.** and Sheridan, JF. "Molecular mechanisms of stress-induced glucocorticoid resistance in splenic macrophages: A role for p38 MAPK" American Association of Immunologists. May 8-11 2010
16. **Stiner, L.M.** , Reader, B.F. Minnillo, J., and Sheridan, JF. "Restraint Stress Alters Innate Immunity" Psychoneuroimmunology Research Society. June 6-9, 2012