

CURRICULUM VITAE (Required Form) (April 2015)

Susan Motts
Arkansas State University

Education:

PhD

NEOUCOM (now named NEOMED) and Kent State University
Biomedical Science, concentration in Neuroscience
December 18, 2010.

MS

University of Louisville
Anatomical Science and Neurobiology
May 14, 2005.

MS

Texas Woman's University
Physical Therapy, concentration in Geriatrics
May 13, 2000.

BHS

University of Kentucky
Physical Therapy
December 16, 1994

Licensure Information:

Arkansas PT-3373

Certifications (eg, ABPTS):

Academy of Lymphatic Studies, Certified Lymphedema Therapist

Employment and Positions Held:

2017 - Ongoing

Associate Professor
Arkansas State University
State University, Arkansas

2013 - 2019

Physical Therapist (prn)
NEA Baptist Memorial Hospital
Jonesboro, Arkansas

2012

Physical Therapist (prn)
Intelligent Therapy Services
Jonesboro, Arkansas

2011 - 2016

Assistant Professor of Physical Therapy
Arkansas State University
State University, Arkansas

2005 - 2010

Teaching Assistant
Northeastern Ohio Universities College of Medicine
Rootstown, Ohio

2005 – 2007

Physical Therapist (prn)
Portage Physical Therapy
Ravenna, Ohio

2005

Adjunct Faculty Member
Bellarmine University
Louisville, Kentucky

2003 - 2005

Physical Therapist (prn)
RMS, Inc.
Louisville, Kentucky

2003

Teaching Assistant
University of Louisville
Louisville, Kentucky

Physical Therapist
RMS, Inc.
Louisville, Kentucky

2001 - 2003

Rehab Services Director
The Laurels of Hillsboro
Hillsboro, Ohio

2000 - 2001

Director of Physical Therapy
SunDance, Inc. (Mediplex Rehabilitation Hospital)
Bowling Green, Kentucky

1998 - 1999

Physical Therapist (prn)
RehabCare, Inc. (Doctor's Hospital)
Dallas, Texas

Inpatient Coordinator for Physical Therapy
RehabCare, Inc. (Doctor's Hospital)
Dallas, Texas

1997 - 1998

Research Assistant
Texas Woman's University
Dallas, Texas

1996 - 1998

Staff II Physical Therapist
Presbyterian Hospital of Dallas
Dallas, Texas

1994 - 1996

Physical Therapist
Suburban Hospital
Louisville, Kentucky

Peer Reviewed Publications: from the most recent to the earliest (include those accepted for publication but not yet published but indicate as such). Include papers in journals, A-V materials published, monographs, chapters in books, and books; **provide full bibliographic citation.**

Motts, S. D., Guffey, J., Zhang, J., & Stroup, K. (2018). Different Effects of Photobiomodulation Therapy on Cultured Human Chondrocytes. *The Federation of American Societies for Experimental Biology*, 1(32).
https://www.fasebj.org/doi/10.1096/fasebj.2018.32.1_supplement.616.9

McDaniel Ph.D., D. M., Neeley, R. A., & Motts, S. D. (2018). Effects of Bilateral Hearing Aid Use on Balance. *American Journal of Audiology*.

Motts, S. D., McDaniel, D., & Neeley, R. A. (2018). The effect of hearing aid use on static balance. *The Hearing Journal*.

Guffey, J., Payne, W., Motts, S. D., Toledo, K., Fischer, C., McDaniel, J., & Wright, P. (2018). Low Level Light Therapy and Photodynamic Therapy as Potential Inhibitors of *Serratia marcescens*. *WOUNDS: A Compendium of Clinical Research and Practice*, 22.

- Long, J. G., Aul, K., Guffey, J., & Motts, S. D. (2017). Graduate Physical Therapy Students and Therapeutic Alliance. *Physical Therapy Education*.
- Towery, P., Guffey, J., & Motts, S. D. (2017). Sensory Evaluation of Cucumbers Treated with Blue Light. *Food Science and Technology International*, 14.
- Guffey, J., Motts, S. D., Barymon, D., Carnes, M., Prater, C., & Wilkins, R. (2016). The Effects of Low Level Light Therapy on Median Nerve Area in Carpal Tunnel Syndrome. *Hand Therapy*.
- McDaniel, D., Motts, S. D., & Neeley, R. A. (2016). Effects of Bilateral Hearing Aid Use on Balance In Experienced Adult Hearing Aid Users. *American Journal of Audiology*.
- Guffey, J., Motts, S. D., Barymon, D., Wooten, A., Clough, T., Payne, E., & Henderson, M. (2016). Using Near Infrared Light to Manage Symptoms Associated with Restless Legs Syndrome. *Physiotherapy Theory and Practice*, 1(32), 34–44.
- Guffey, J., Payne, W., Motts, S. D., Towery, P., Hobson, T., Harrell, G., ... Lancaster, K. (2016). Inactivation of Salmonella on Tainted Foods: Using Blue Light to Disinfect Cucumbers and Processed Meat Products. *Food Science and Nutrition*, <http://dx.doi.org/10.1002/fsn3.354>. <http://dx.doi.org/10.1002/fsn3.354>.
- Guffey, J., Payne, W., Motts, S. D., Towery, P., Hobson, T., Harrell, G., ... Lancaster, K. (2016). Inactivation of Salmonella on Tainted Foods: Using Blue Light to Disinfect Cucumbers and Processed Meat Products. *Food Science and Nutrition*, <http://dx.doi.org/10.1002/fsn3.354>. <http://dx.doi.org/10.1002/fsn3.354>.
- Motts, S. D., Guffey, J., Payne, W., Towery, P., Hobson, T., Harrell, G., ... Lancaster, K. (2016). The Use of 405nm and 464nm Blue Light to Inhibit *Listeria monocytogenes* in Ready-to-Eat (RTE) Meat. *European Journal of Academic Essays*, 1(2), 76–80.
- Schofield, B. R., Mellott, J. G., & Motts, S. D. (2014). Subcollicular projections to the auditory thalamus and collateral projections to the inferior colliculus. *Frontiers in Neuroanatomy*, eCollection July 18 2014, 16.
- Mellott, J. G., Foster, N. L., Nakamoto, K. T., Motts, S. D., & Schofield, B. R. (2014). Distribution of GABAergic cells in the inferior colliculus that project to the thalamus. *Frontiers in Neuroanatomy*, eCollection March 31, 2014, 9.
- Guffey, J., Motts, S. D., & Payne, W. (2014). Using visible and near-IR light to facilitate photobiomodulation: a review of current research. *European Journal of Academic Essays*, 3(1), 3.
- Guffey, J., Motts, S. D., Payne, E., & Clough, T. W. (2014). Infrared Light as Intervention to Improve Peripheral Sensation in an Individual Suffering from Peripheral Neuropathy: A Case Report. *European Journal of Academic Essays*, 3(1), 4.

Schofield, B. R., Motts, S. D., Mellott, J. G., & Foster, N. L. (2014). Projections from the dorsal and ventral cochlear nuclei to the medial geniculate body. *Frontiers in Neuroanatomy, eCollection March 5, 2014*, 12.

Schofield, B. R., & Motts, S. D. (2011). Cholinergic cells of the pontomesencephalic tegmentum: Connections with auditory structures from cochlear nucleus to cortex. *Hearing Research, 279*(1-2), 10.

Motts, S. D., & Schofield, B. R. (2011). Cholinergic cells in the tegmentum send branching projections to the inferior colliculus and the medial geniculate body. *Neuroscience, 179*, 11.

Mellott, J. G., Motts, S. D., & Schofield, B. R. (2011). Multiple origins of cholinergic innervation of the cochlear nucleus. *Neuroscience, 180*, 9.

Peer Reviewed Scientific and Professional Presentations: from the most recent to the earliest

Zhang, J., Guffey, J., & Motts, S. D. (2018, April). *Different Effects of Photobiomodulation Therapy on Cultured Human Chondrocytes. The Federation of American Societies of Experimental Biology Scientific Research Conference.*

Zhang, J., Guffey, J., Motts, S. D., & Stroup, K. (2017). *Different Effects of Photobiomodulation Therapy on Cultured Human Chondrocytes. Create@Astate.* Arkansas State University.

Wilkins, R., Martin, M., & Motts, S. D. (2015, October). *The Relationship Between Foot Sensation and Balance in Patients with Neuropathy. Society for Neuroscience Annual Meeting.* Chicago, Ill.: Society for Neuroscience.

Clough, T. W., Payne, E., Motts, S. D., & Guffey, J. (2014, November). *Near-infrared low level light therapy as a treatment for peripheral neuropathy. Society for Neuroscience Annual Meeting.* Washington, DC: Society for Neuroscience.

Current/Active Research Activity:

The effectiveness of photobiomodulation on treating infected wounds in mammals
Funding: internal

Autism research, Jonesboro, Arkansas

Membership in Scientific/Professional Organizations:

2018 - Ongoing

American Association for the Advancement of Science

2011 - Ongoing

Arkansas Physical Therapy Association

2004 - 2017

Association for Research in Otolaryngology

2004 - Ongoing
Society for Neuroscience

1997 - 2017
American Diabetes Association (professional membership)

1992 - Ongoing
American Physical Therapy Association

Consultative and Advisory Positions Held:

Advisory Board Member
Citizen's Advisory Council
Metropolitan Planning Organization of Northeast Arkansas
2014-2017

Community Service:

Member
PEO
2022: member of P.E.O. Program for Continuing Education committee, Chair of
P.E.O. STAR Scholarship committee
2021-present

Volunteer
NEA Humane Society
2016-present

Court Appointed Special Advocate volunteer
CASA
2016-2018

Spring 2020

Guest lecture, Jonesboro, Arkansas
Guest lecture on neuroanatomy for AT students
Scoliosis screening, Jonesboro, Arkansas
Annie Camp

Services to the University/College/School on Committees/Councils/Commissions:

University-wide

Fall 2020 - Ongoing
Center for No-Boundary Thinking, (University) [Responsibility: Member]

Fall 2019 - Ongoing
Interprofessional Education Committee, (University) [Responsibility: Member]

Fall 2019

Women in Science, Jonesboro, Arkansas Guest speaker for ASTATE's Women in Science club.

Fall 2018

Honors thesis committee for Erin Segal, (University) [Responsibility: Member]

Fall 2018 - Spring 2018

Masters thesis defense committee for Krishna Sharma, (University) [Responsibility: Member]

Fall 2018

Search committee for OT, (University) [Responsibility: Member]

Fall 2017 - Spring 2018

Honors thesis committee for David Holmquist, (University) [Responsibility: Member]

Fall 2017 – Ongoing

Masters thesis defense committee for Carl McLeod, (University) [Responsibility: Member]

Fall 2013 - Ongoing

Institutional Animal Care and Use Committee, (University) [Responsibility: Chair]

School

Fall 2016 - Ongoing

CNHP Honors Committee, (College of Nursing and Health Professions) [Responsibility: Member]

Fall 2012 - Spring 2013

Search committee for Communications Disorders faculty, (College of Nursing and Health Professions) [Responsibility: Member]

Fall 2012 - Spring 2016

Diabetes Self-Management Clinic Advisory Board, (College of Nursing and Health Professions) [Responsibility: Member]

Fall 2011 - Spring 2016

Ad Hoc College Honors Committee, (College of Nursing and Health Professions) [Responsibility: Member]

Department

Spring 2016 - Spring 2016

Search committee for PT faculty (1 position), (Physical Therapy) [Responsibility: Chair]

Fall 2015 - Ongoing
Department Strategic Planning Committee, (Physical Therapy) [Responsibility: Member]

Fall 2014 - Ongoing
Department Assessment Committee, (Physical Therapy) [Responsibility: Member]

Fall 2014 - Spring 2015
Department Strategic Planning Committee, (Physical Therapy) [Responsibility: Chair]

Fall 2013 - Spring 2014
Department Strategic Planning Committee, (Physical Therapy) [Responsibility: Member]

Fall 2013 - Fall 2016
GA Task Force, (Physical Therapy) [Responsibility: Member]

Fall 2012 - Ongoing
Admissions Committee, (Physical Therapy) [Responsibility: Chair]

Fall 2012 - Spring 2013
Academic Progression and Remediation Committee, (Physical Therapy) [Responsibility: Chair]

Fall 2011 - Spring 2012
Search committee for PT department chair, (Physical Therapy) [Responsibility: Member]

Spring 2011 - Summer 2012
Academic Progression and Remediation Committee, (Physical Therapy) [Responsibility: Member]

Spring 2011 - Spring 2012
Research Committee, (Physical Therapy) [Responsibility: Member]
Convocation of Callers, (Physical Therapy) [Responsibility: Member]

Spring 2011 - Fall 2015
Search committee for PT faculty (5 positions), (Physical Therapy) [Responsibility: Member]

Spring 2011 - Ongoing
Department Library Committee, (Physical Therapy) [Responsibility: Chair]

Spring 2011 - Spring 2014

Student, Faculty, and Alumni Relations, (Physical Therapy) [Responsibility:
Member]

Honors and Awards:

Puryear Award

College of Nursing and Health Professions, Arkansas State University
2017

Continuing Education Attended: list ONLY courses taken within the last five (5) years that specifically relate to responsibilities in the entry-level program.

Summer 2022

Academy of Lymphatic Studies
Complete Lymphedema Certification Course
145 hours
Chicago, Ill

Fall 2021

4th Annual Neuroscience Stroke Conference, Virtual
Arkansas
7.75 hours

Complete Lymphedema Certification Home Study, Online
Arkansas
45 hours

Interprofessional Collaboration: Theory and Application at UAMS, Virtual
Arkansas
1 hour

Spring 2021

SilhouetteConnect training
Jonesboro, Arkansas
Training on use of new wound care camera

Fall 2020

3rd Annual Neuroscience Conference, Virtual
Arkansas
6.5 hours

Neurological Examination and Intervention for Older Adult
Webinar, Ohio
20 hours

Neurological Examination and Intervention for Older Adults, Live Webinar
Arkansas
20 hours

IPE advanced, Jonesboro, Arkansas

Fall 2019 - 2021
Brown bag Sep 20

Spring 2019
Safe Zone Training

Faculty Development Workshop, Arkansas

Spring 2019
Brown bag, Arkansas
Feb 8 Mar 29 April 26 (presenter)

Spring 2018
Faculty Development Workshop, Arkansas 1/15/2018

Spring 2018
Seven steps to understanding statistics, online, Arkansas, 6 hours
Online weekly webinar and quiz for 6 weeks

Spring 2018
BLS Provider, Jonesboro, Arkansas
American Heart Association BLS Provider CPR and AED program.

Summer 2017 - Summer 2017
Combined Introduction & Advanced MSK Ultrasound with Human Cadaver Lab, St. Petersburg, Florida, 40 hours

Current Teaching Responsibilities in the Entry-Level Program for Academic Year of Site Visit: (in sequence, by term; do NOT include courses taught at other institutions!)

Fall: Research II
 Neuromuscular IV
 Culminating Experience
Spring: Fundamentals of Patient Care
 Integumentary and Agents
 Neuromuscular III
 Research II