

## CURRICULUM VITAE

Susan Motts, PT, PhD  
P.O. Box 910  
State University, AR 72467  
870-972-3591  
Department of Physical Therapy  
College of Nursing and Health Professions  
Arkansas State University

Education: Kent State University/Northeastern Ohio Universities College of Medicine  
Kent, OH  
2005-2010  
Biomedical Sciences, with a concentration in neuroscience  
PhD

University of Louisville  
Louisville, KY  
2003-2005  
Anatomical Sciences and Neurobiology  
MS

Texas Woman's University  
Dallas, TX  
1997-2000  
Post-professional Master of Science with geriatrics concentration  
MS

University of Kentucky  
Lexington, KY  
1990-1994  
Physical Therapy  
BHS

Licensure Information/Registration Number: Arkansas #3373

Certifications (eg, ABPTS): none

Employment and Positions Held: Assistant Professor of Physical Therapy  
Tenure Track  
Arkansas State University  
Jonesboro, AR  
2011-present

Teaching Assistant  
Northeastern Ohio University College of Medicine  
2005-2010

Physical Therapist (prn)  
Portage Physical Therapy  
Ravenna, OH  
2005-2007

Adjunct faculty member  
Bellarmine University  
Louisville, KY  
2005

Teaching Assistant  
University of Louisville  
2003

Physical Therapist (prn)  
RMS, Inc.  
Louisville, KY  
2003-2005

Physical Therapist  
RMS, Inc.  
Louisville, KY  
2003

Rehab Services Director  
The Laurels of Hillsboro  
Hillsboro, OH  
2001-2003

Director of Physical Therapy  
SunDance, Inc. (Mediplex Rehabilitation Hospital)  
Bowling Green, KY  
2000-2001

Physical Therapist (prn)  
RehabCare, Inc. (Doctor's Hospital)  
Dallas, TX  
1998-1999

Inpatient Coordinator for Physical Therapy  
RehabCare, Inc. (Doctor's Hospital)  
Dallas, TX  
1998-1999

Research Assistant  
Texas Woman's University  
Dallas, TX  
1997-1998

Staff II Physical Therapist  
Presbyterian Hospital of Dallas  
Dallas, TX  
1996-1998

Physical Therapist  
Suburban Hospital  
Louisville, KY  
1994-1996

Peer Reviewed Publications:

Mellott JG, Motts SD, Schofield BR (2011) Multiple origins of cholinergic innervation of the cochlear nucleus. *Neuroscience*. 180: 138-147.

Motts SD, Schofield BR (2011) Cholinergic cells in the tegmentum send branching projections to the inferior colliculus and the medial geniculate body. *Neuroscience*. 179: 120-130.

Schofield BR, Motts SD, Mellott JG (2011). Cholinergic cells of the pontomesencephalic tegmentum: Connections with auditory structures from cochlear nucleus to cortex. *Hearing Research*. 279: 85-95.

Motts SD, Schofield BR (2010) Cholinergic and non-cholinergic projections from the pedunculo-pontine and laterodorsal tegmental nuclei to the medial geniculate body in guinea pigs. *Frontiers in Neuroanatomy*. 4:137.

Schofield BR, Motts SD (2009) Projections from auditory cortex to cholinergic cells in the midbrain tegmentum of guinea pigs. *Brain Research Bulletin*. 80: 163-170.

Motts SD, Schofield BR (2009) Sources of cholinergic input to the inferior colliculus. *Neuroscience*. 160:103-114.

Motts SD, Slusarczyk AS, Sowick CS, Schofield BR (2008) Distribution of cholinergic cells in guinea pig brainstem. *Neuroscience*. 154: 186-195.

Schofield BR, Schofield RM, Sorenson, KA, Motts SD (2007) On the use of retrograde tracers for identification of axon collaterals with multiple fluorescent retrograde tracers. *Neuroscience*. 146: 773-783.

Peer Reviewed Scientific and Professional Presentations:

Motts SD, Schofield BR. Cholinergic and non-cholinergic projections from brainstem cholinergic nuclei to the medial geniculate body and inferior colliculus. Society for Neuroscience Annual Meeting. Chicago, IL. Poster. 2009.

Motts SD, Schofield BR. Distribution of cholinergic cells in auditory and non-auditory nuclei of the guinea pig brainstem. Association for Research in Otolaryngology Midwinter Meeting. Denver, CO. Poster. 2007.

Motts SD, Schofield BR. Cholinergic cells have branching projections to multiple brainstem auditory nuclei in guinea pigs. Association for Research in Otolaryngology Midwinter Meeting. Baltimore, MD. Poster. 2006.

Schofield BR, Schofield RM, Sorensen KA, Motts SD. Quantification of axon collateralization with retrograde multi-labeling methods. Society for Neuroscience Annual Meeting. Atlanta, GA. Poster. 2006

Motts SD, Schofield BR. Cholinergic projections to thalamus and inferior colliculus in guinea pigs. Society for Neuroscience Annual Meeting. Atlanta, GA. Poster. 2006.

Motts SD, Schofield BR. Olivary and extra-olivary sources of cholinergic input to the cochlear nucleus. Association for Research in Otolaryngology Midwinter Meeting. New Orleans, LA. Poster. 2005.

Motts SD, Slusarczyk AS, Schofield BR. Sources of cholinergic input to the inferior colliculus in guinea pigs. Society for Neuroscience Annual Meeting. San Diego, CA. Poster. 2004.

Thompson M, Medley A, Motts S. Foot sensation as measured by Semmes-Weinstein monofilaments in persons newly diagnosed with diabetes. American Physical Therapy Association, Combined Sections Meeting, Tampa, FL. Poster. 2003.

Motts S, Thompson M, Medley A. Foot Sensation as Measured By Semmes-Weinstein Monofilaments in Persons Newly Diagnosed with Diabetes. Kentucky Physical Therapy Association Annual Conference, Louisville, KY, October 6-9, 2000. Poster.

Abstracts:

Thompson M, Medley A, Motts S. Foot sensation as measured by Semmes-Weinstein monofilaments in persons newly diagnosed with diabetes. [abstract] Journal of Geriatric Physical Therapy, 25(3),4243. 2002.

Non-Peer Reviewed Publications: none

Non-Peer Reviewed Presentations:

Kentucky Brain Injury Association Fall Conference 2000, Bowling Green, KY.

Presenter: The Role of Physical Therapy for Brain Injured Patients after Discharge from a Rehabilitation Setting

Funded/In Review Grant Activity:

Motts, SD. Principle Investigator  
\$74, 997  
"Cholinergic Circuitry in Auditory Brainstem"  
Individual predoctoral NRSA 1 F31 DC 002463  
National Institutes of Health  
2007-2009

Current/Active Research Activity:

Motts, SD. PI  
Cholinergic Circuitry in Rat Brainstem  
Internally funded

Motts, SD. PI  
Foot Sensation in Persons with Diabetes  
Internally funded

McLary, S; Hinkle, W; Motts, S; DuBose, C; Caldwell, D; Bednar, A. Co-investigator  
Second Life Virtual Hospital project  
Internally funded

Membership in Scientific/Professional Organizations:

American Physical Therapy Association  
Society for Neuroscience  
Association for Research in Otolaryngology

Consultative and Advisory Positions Held: none

Community Service: none

Services to the University/College/School on

Committees/Councils/Commissions: cite memberships and chairmanships, and include

university-wide: none

school:

1. Search committee for Communications Disorders faculty (Jan. 2012-present)
  2. Ad Hoc College Honors Committee (Aug. 2011-present)
  3. Diabetes education clinic: committee to develop and run new clinic (2011-present)
- other schools in the university: none

department:

1. Admissions Committee (2011-present); chair (June 2011-present)
2. Search committee for PT department chair (2011-2012)
3. Search committee for PT faculty (2 positions) (2011-2012)
4. Library Representative (Aug. 2011-present)

Honors and Awards: none

Continuing Education Attended: list only courses taken **within the last 5 years** that are **specifically related** to responsibilities in the entry-level program.

**May 2012**

Diabetes Update  
16 hours  
Arkansas State University

**June 2012**

Blackboard Boot Camp  
30 day online course  
Arkansas State University

**July 2012**

New Faculty Development Workshop  
5 day course  
Ithaca, New York

Current Teaching Responsibilities in the Entry-Level Program:

**Spring 2012**

PT 7224 Neuroscience (60 contact hours)  
PT 8754 Neuromuscular III (co-teach with Aldridge & Zeno) (30 contact hours)  
PT 8151 Research II (30 contact hours)

**Fall 2012**

PT 8143 Neuromuscular I (60 contact hours)

PT 7141 Research I (30 contact hours)

PT 8774 Neuromuscular IV (co-teach with Aldridge) (45 contact hours)

PT 8571 Research III (30 contact hours)