

Amanda A. Herrmann

HealthPartners Neuroscience Center, St. Paul, MN 55130 ▪ 651.495.6356 ▪
Amanda.A.Herrmann@HealthPartners.com

EDUCATION

- Doctor of Philosophy, Health and Rehabilitation Science August 2017
Emphasis: Functional Limitations
Medical University of South Carolina
Advisor: Jesse Dean, Ph.D.
- Master of Science, Kinesiology May 2012
Emphasis: Biomechanics & Neural Control
Minor: Clinical Physiology and Movement Science
University of Minnesota - Twin Cities
Advisor: Jürgen Konczak, Ph.D.
- Bachelor of Science, Kinesiology (Pre-Physical Therapy) December 2009
University of Minnesota - Twin Cities

RESEARCH EXPERIENCE

- Research Fellow** February 2018-Present
HealthPartners Neuroscience Center, St. Paul, MN
Supervisor: Dr. Leah Hanson
- Graduate Research Assistant** August 2013-August 2017
Locomotion & Energetics Group
Medical University of South Carolina, Charleston, SC
Advisor: Dr. Jesse Dean
- Graduate Research Assistant** September 2010-May 2012
Human Sensorimotor Control Laboratory
University of Minnesota - Twin Cities, Minneapolis, MN
Advisor: Dr. Jürgen Konczak
- Undergraduate Research Assistant** October 2008-December 2009
Human Sensorimotor Control Laboratory
University of Minnesota - Twin Cities, Minneapolis, MN
Advisor: Dr. Jürgen Konczak

TEACHING EXPERIENCE

- Guest Lecture Speaker – Movement Science** May 2014
Division of Physical Therapy

Medical University of South Carolina, Charleston, SC
Teaching Assistant - Introduction to Biomechanics
Department of Kinesiology
University of Minnesota- Twin Cities, Minneapolis, MN

January 2011-May 2012

PUBLICATIONS

Herrmann AA, Othman SI, DeFoe KM, Carolan EJ, Rosenbloom MH. Spinal epidural abscess: Esophageal fistula as a potential infection source. *Interdiscip Neurosurg.* 2019 16:42-43.

Jackson SD, Wiering BA, **Herrmann AA**, Hinz MA, Hanson LR. Solitary bone plasmacytoma compression injury disguised as back pain: a case report. *Spinal Cord Ser Cases.* 2019 Feb 11,5:16.

Jackson SD, Wiering BA, Bentley IA, **Herrmann AA**, Hanson LR. From A to D: A unique case report of recovery after longitudinal myelitis related to lupus [published online ahead of print December 14, 2018]. *Am J Phys Med Rehabil.*

Elangovan N, **Herrmann A**, Konczak J. Assessing proprioceptive function: evaluating joint position matching methods against psychophysical thresholds. *Phys Ther.* 2014 Apr;94(4), 553-61.

SUBMITTED GRANTS (FUNDED)

Principal Investigator:

Acupuncture Treatment for Chronic Post-traumatic Headache in Individuals with Mild Traumatic Brain Injury (2019). Funding Agency: Minnesota Office of Higher Education.

Co-Investigator:

Optimization of a Shared Decision Making Process for Initiation of Early Enteral Nutrition Intervention in Amyotrophic Lateral Sclerosis (2018). Funding Agency: Regions Hospital Research, Education, and Development (RED) Fund. PI: Dr. Guarav Guliani.

Evaluation of the Pre-Operative Pain Consult (2018). Funding: Regions Hospital RED Fund. PI: Dr. Isaac Marsolek.

Development and Implementation of Stroke and Traumatic Brain Injury Clinical Practice Guidelines for Inpatient and Outpatient Rehabilitation (2018). Funding: Regions Hospital RED Fund. PI: Dr. Rebecca Koerner.

Comprehensive Cardiac Rehabilitation Feasibility after Stroke – CCR FAST (2018). Funding: Regions Hospital RED Fund. PI: Dr. Haitham Hussein.

Potentially Preventable Readmissions of Stroke Patients after Inpatient Rehabilitation (2018). Funding: Regions Hospital RED Fund. PI: Dr. Gretchen Niemioja.

SUBMITTED GRANTS (Unfunded)

National Institutes of Health, F31-Predocctoral Fellowship

2015

American Heart Association, Predocctoral Fellowship

2015

POSTER PRESENTATIONS

Herrmann, AA, Othman, SI, Jamal, S, Niemioja, GM, & Hussein, HM (2019). Causes of Interruption of Acute Rehabilitation and Readmission after Stroke. American Academy of Neurology Annual Meeting, *Philadelphia, PA*.

Herrmann, AA & Dean JC (2018). Effects of Ankle Tendon Vibration on Post-Stroke Ankle Proprioception. American Society of Biomechanics Annual Meeting, *Rochester, MN*.

Herrmann, A & Dean, JC (2017). Effects of Ankle Tendon Vibration on Proprioception in Chronic Stroke. Center for Biomedical Research Excellence in Stroke Recovery Annual Meeting, *Charleston, SC*.

Herrmann, A & Dean, JC (2014). Changes in Task Demand Influence Adaptation of the Preferred Gait Pattern During Human Walking. World Congress of Biomechanics, *Boston, MA*.

Elangovan N, **Herrmann A**, & Konczak, J (2012). Measuring Proprioception: Comparison of Clinical Evaluations to Psychophysical Thresholds. College of Education and Human Development Research Day, *University of Minnesota, Minneapolis, MN*.

Sorensen MD, **Herrmann A**, Pickett KA, Li K, & Konczak J (2009). Just Noticeable Difference Thresholds for Kinesthetic Sensitivity at the Elbow. Society for Neuroscience, *Chicago, IL*.

ACCEPTED CONFERENCE ABSTRACTS

Hussein, HM, Brown, MM, & **Herrmann AA** (2019). A Travel Time and Efficiency Simulation for Patient Transport to Primary and Comprehensive Stroke Centers. American Academy of Neurology Annual Meeting, *Philadelphia, PA*.

Hussein, HM, Brown, MM, **Herrmann, AA**, & Anderson, DC (2019). Impact of Prehospital LVO Tools on the Delay of Care and Redistribution of Patients between Primary and Comprehensive Stroke Centers. International Stroke Conference Annual Meeting, *Honolulu, HI*.

Hussein, HM, Brown, MM, & **Herrmann AA** (2019). A Travel Time and Efficiency Simulation for Patient Transport to Primary and Comprehensive Stroke Centers. International Stroke Conference Annual Meeting, *Honolulu, HI*.

Kashyap, B, Hall, S, Erickson, LO, Pearsall, VM, **Herrmann, AA**, Hanson, LR, & Marsolek, IT (2018). Retrospective Analysis of Hospital and Patient-Reported Outcomes with Pre-Operative Pain Consult (PoPC) in Spinal Fusion Surgery Patients. International Association for the Study of Pain Annual Meeting, *Boston, MA*.

ORAL PRESENTATIONS

Measuring Proprioception: Comparison of Clinical Evaluation Methods to Psychophysical Thresholds. Center for Clinical Movement Science colloquium series, *University of Minnesota – Twin Cities, Minneapolis, MN*. (February 2012)

PROFESSIONAL MEMBERSHIPS

American Academy of Neurology	2019
American Society of Biomechanics	2014-2015
American Heart Association	2014-2015
Center for Clinical Movement Science, <i>University of Minnesota</i>	2010-2012
Society for Neuroscience	2009-2010

CONFERENCES ATTENDED

American Academy of Neurology, <i>Philadelphia, PA</i>	2019
American Society for Biomechanics Annual Meeting, <i>Rochester, MN</i>	2018
American Society of Neurorehabilitation Annual Meeting, <i>Chicago, IL</i>	2015
Annual Motor Control Summer School, <i>Antiochian Village, PA</i>	2015
Society for the Neural Control of Movement Satellite Meeting, <i>Charleston, SC</i>	2015
MUSC Frontiers in Neuroscience Annual Research Day, <i>Charleston, SC</i>	2015
American Society for Biomechanics Annual Meeting, <i>Boston, MA</i>	2014
Society for Neuroscience Annual Meeting, <i>Chicago, IL</i>	2009

CLINICAL EXPERIENCE

Rehabilitation Aide Fairview Health Services <i>Burnsville, MN</i>	July 2011-July 2013
Administrative Assistant – Rehabilitation Department Fairview Ridges Hospital <i>Burnsville, MN</i>	July 2012-July 2013

LEADERSHIP EXPERIENCE

Pre-Physical Therapy Club, Secretary <i>University of Minnesota – Twin Cities, Minneapolis, MN</i>	2008-2009
Community Engagement Scholars Program <i>University of Minnesota - Twin Cities, Minneapolis, MN</i>	2008-2009

SCHOLARSHIPS & AWARDS

Salvatore Scaletta Education and Scholarship Fund Award	2016
Dean's Scholarship, Medical University of South Carolina	2013-2017
North Central States Regional Council of Carpenters Scholarship Award	2009
Undergraduate Research Opportunity Program Grant	2009
Dean's List	Fall 2008 & Fall 2009

ADDITIONAL COURSEWORK & TRAINING

Collaborative Institutional Training Initiative Group 3: Research Staff (COI, GCP, HSR, & RCR)	2017-2018
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Amanda A. Herrmann

Group 8: Investigators and Research Staff Involved in Animal Research (COI)
Group 8a: Researchers and Animal Technicians
Aseptic Surgery
Post-Approval Monitoring (PAM)
Post-Procedure Care of Mice and Rats in Research
Working with Mice in Research Settings
Group 1. Biomedical Investigators and Key Personnel
Biomedical Responsible Conduct of Research (RCR)
CITI Health Information Privacy and Security (HIPS) for Clinical Investigators
Good Clinical Practice and ICH

South Carolina Clinical & Translational Research Institute 2017
Core Clinical Research Training Course

Stanford Online – Stanford University 2016
Writing in the Sciences - Completed with Distinction

Medical University of South Carolina 2015
Fellowship in Clinical and Translational Research Ethics

SERVICE EXPERIENCE

Make a Wish Foundation 2018-Present
Minneapolis, MN

Make a Wish Foundation 2016-2017
Charleston, SC

Children’s Museum of the Lowcountry 2016-2017
Charleston, SC

St. Anne’s Place 2009
Minneapolis, MN

Hennepin County Medical Center 2009
Minneapolis, MN

Shriner’s Hospital for Children 2009
Minneapolis, MN

Sister Kenny Sports and Physical Therapy 2008
Minneapolis, MN

Ronald McDonald House 2007-2009
Minneapolis, MN

OTHER WORK EXPERIENCE

Personal Care Assistant
Interim Healthcare
North Charleston, SC

February 2015-December 2016

Counselor
Camp Courage
Maple Lake, MN

May 2008-August 2008