



SC Spinal Cord Injury Research Fund 2023 Scientific Conference

November 3, 2023 from 9:00 am – 4:00 pm
MUSC – Basic Sciences Building, Room 402



9:00 Registration

9:30 Opening Remarks
Catherine Leigh Graham, MEBME – SCIRF Executive Director

9:45 Traumatic SCI in SC – Magnitude, Distribution, and Outcome, 2000-2021
Anbesaw W. Selassie, DrPH, MPH – MUSC

10:15 **KEYNOTE 1: “The Adaptive Rower for Building Aerobic Capacity for People with SCI: From Concept to Community”**
Elizabeth W. Regan, PhD, DPT – University of South Carolina

10:40 **KEYNOTE 2: “Creating a Pipeline for Young Scientists”**
Dena P. Garner, PhD – The Citadel

11:00 Maintaining Infrastructure Core Laboratory for SCI Research and Training
Naren L. Banik, PhD – MUSC

11:30 Journey to Develop Neuron-specific Nanotherapeutics for SCI Repair
Jeoung Soo Lee, PhD – Clemson University

12:00 Networking/Lunch Break – (on your own)

1:00 **KEYNOTE 3: “Primary, Secondary, & Tertiary Prevention! What Comes After Tertiary? A Post COVID Public Health Prevention Model for SCI**
Jon Roesler, MS, Assistant Professor & Program Director, Saint Mary’s University of Minnesota/Senior Research Scientist, Minnesota Department of Health

1:45 Health, Participation and Quality of Life Among People with SCI in South Carolina
James S. Krause, PhD – MUSC

2:15 Development and Pilot Testing of a Community-based SCI Peer Navigator Intervention
Susan D. Newman, PhD, RN, CRRN, FAAN – MUSC

2:45 Targeted Neuroplasticity for Enhancing Upper and Lower Extremity Neurorehabilitation in People with Chronic SCI
Aiko E. Thompson, PhD – MUSC

3:15 Exoskeletons for Acute and Chronic Spinal Cord Injury
David J. Powell, III, MD – Roper Rehabilitation Hospital & Jeffrey M. Derbas, MD – Roger C. Peace Rehabilitation Hospital

3:45 Future Direction
James S. Krause, PhD – SCIRF Scientific Director