

## Minnesota Spinal Cord and Traumatic Brain Injury Research Symposium Agenda

Wednesday, January 31, 2018 | 1:00 PM – 5:00 PM

HealthPartners Neuroscience Center  
295 Phalen Boulevard  
Saint Paul, MN 55130

1:00-2:35	Event Moderation	Uzma Samadani, MD, PhD	Hennepin County Medical Center   Minneapolis Medical Research Foundation
1:00-1:10	Welcome Announcements and Thank You to the Legislators	Rob Wudlick, Event Chair	Get Up Stand Up to Cure Paralysis
1:10-1:15	Comments from a Minnesota State Senator	Senator John A. Hoffman	District 36
1:15-1:20	Comments from a Minnesota State House Representative	Representative Tony Albright	District 55B
1:20-1:25	Comments from the Minnesota Office of Higher Education	Alaina DeSalvo	Minnesota Office of Higher Education
1:25-1:35	Development of SCI Technologies at the Minneapolis Adaptive Design & Engineering Program	Andrew Hansen, PhD	Minneapolis VA Health Care System
1:35-1:45	E-STAND Patient Vignette	Kathy Allen	
1:45-1:55	Epidural Stimulation for the Restoration of Spinal Cord Function in Paraplegics	David Darrow, MD, MPH	University of Minnesota Twin Cities
1:55-2:05	Vagus Nerve Stimulation Patient Vignette	Matthew Stifter	
2:05-2:15	Vagus Nerve Stimulation to Treat Moderate Brain Injury	Molly Hubbard, MD	University of Minnesota Twin Cities
2:15-2:25	Classify Patient Vignette	Erik Bedeaux	
2:25-2:35	Hierarchical Approach to Classification of Brain Injury	Margaret Mahan, MS	Hennepin County Medical Center   Minneapolis Medical Research Foundation
2:35-3:05	Poster Presentations and Break		
3:05-4:25	Event Moderation	Walter Low, PhD	University of Minnesota Twin Cities
3:05-3:10	Intraoperative Electrophysiology to Guide Epidural Electrode Array Surgical Placement for Stimulation Following Spinal Cord Injury	Jonathan Calvert, BS	Mayo Clinic
3:10-3:15	A New Receptor Based Drug Target to Facilitate Recovery After Spinal Cord Injury	Isobel Scarisbrick, PhD	Mayo Clinic
3:15-3:20	Novel Combinatorial Tissue Engineering Approaches: Use of Different OPF Hydrogel Scaffold Designs to Promote Regeneration After Spinal Cord Injury	Ahad Siddiqui, PhD	Mayo Clinic

## Minnesota Spinal Cord and Traumatic Brain Injury Research Symposium Agenda

Wednesday, January 31, 2018 | 1:00 PM – 5:00 PM

HealthPartners Neuroscience Center  
295 Phalen Boulevard  
Saint Paul, MN 55130

3:20-3:25	Ambulatory and Non-Ambulatory Benefits of Lower Limb Exoskeleton Use	Daniel Veith, MS	Mayo Clinic
3:25-3:30	The Accuracy of Wearable Accelerometers in Detecting the Leg Movements of Young Infants: A Pilot Study	David Chapman, PT, PhD	Mayo Clinic
3:30-3:35	Mitochondrial Dysfunction Associated With High Fat Consumption Promotes Glial Scar Formation	Monica Langley, PhD	Mayo Clinic
3:35-3:40	Automated Eye Tracking For Detection of Blast Brain Injury After a Natural Gas Explosion	Abdullah Bin-Zahid, MD	Hennepin County Medical Center   Minneapolis Medical Research Foundation
3:40-3:45	In Vitro and in Vivo Traumatic Brain Injury Model With Precise and Fast Mechanical Modes	Dezhi Liao, PhD	University of Minnesota Twin Cities
3:45-3:50	Patterns of Post-Hospital Care and Service Utilization by Individuals with TBI	Leslie Seymour, MD, MPH	Minnesota Department of Health
3:50-3:55	Tauroursodeoxycholic Acid for Treatment of Traumatic Brain Injury	Afshin A. Divani, PhD	University of Minnesota Twin Cities
3:55-4:00	Therapeutic Protection of the Brain Vasculature in TBI	Lester R. Drewes, PhD	University of Minnesota Duluth
4:00-4:05	TackleBar Football	Tim Healy	TackleBar Football
4:05-4:10	Accurate Head Impact Data to Advance Concussion Science	Adam Bartsch, PhD	Prevent Biometrics
4:10-4:15	Parr Lab Research and Current Clinical Trials	Ann Parr, MD, PhD	University of Minnesota Twin Cities
4:15-4:25	Closing Remarks	Matthew Rodreick	Unite 2 Fight Paralysis
4:25-5:00	Reception and Poster Viewing		