

ASIA

AMERICAN SPINAL INJURY ASSOCIATION

Two Pre-courses - April 26th!
Pre-course 1 - The Howard H. Steel
Pre-course on Pediatric Spinal
Cord Injury and Dysfunction
Pre-course 2 - Urology

2017 DIAMOND PARTNERS



ReWalk
Robotics

2017 Annual Scientific Meeting

APRIL 26-29, 2017

HYATT REGENCY ALBUQUERQUE



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American Spinal Injury Association

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ASIA 2017 ANNUAL SCIENTIFIC MEETING

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2017 Lifetime Achievement Award Recipient Fin Biering-Sørensen, MD, PhD



Fin Biering-Sørensen, MD, PhD

The 2017 recipient of the ASIA Lifetime Achievement Award is Fin Biering-Sørensen, MD, PhD. Professor Biering-Sørensen received his medical degree in 1975 from the University of Copenhagen and recognition as a specialist in physical medicine and rehabilitation and in rheumatology in 1982 and 1983, respectively. He defended his doctoral thesis in 1984. In 1986, he became Chief Physician, and then from 1992, served as head of the Clinic for Spinal Cord Injuries in the NeuroScience Centre at the Rigshospitalet. Since 2008, he has been Clinical Professor in spinal cord injury at the University of Copenhagen. He has been a member of the Editorial Board of *Spinal Cord* since 1990 and Assistant Editor since 2007. Dr. Biering-Sørensen was the Medical Chair during the 1988 Paralympics in Seoul, Korea, President of the Nordic Spinal Cord Society from 1993 to 1999 and President of the Danish Society of Rehabilitation from 1996 to 2000. From 2005 to 2008, he was Vice-President of the Danish Association for Neurorehabilitation. In the International Spinal Cord Society (ISCoS), Dr. Biering-Sørensen has served as a member of the Council since 1992; he was Vice-President from 1997-2003 and Chair of the Scientific Committee from 2002-2008. Dr. Biering-Sørensen has been an active member of ASIA since 2004, and has served on the Neurological Standards Committee, Autonomic Standards Committee and the Education Committee. Since 2002, he has chaired the International Spinal Cord Injury Data Set Committee, a joint project between ISCoS and ASIA. He has published over 450 papers, including more than 215 in peer-reviewed journals, and more than 15 chapters in national and international textbooks.

ASIA established its Lifetime Achievement Award in 1986. Designed to acknowledge a career of outstanding contributions to the field of spinal cord injury medicine, the award has been presented to 21 worthy individuals since 1987.

1987	John M. Young, MD	2003	Jerome M. Cotler, MD
1990	A. Estin Comarr, MD	2005	William H. Donovan, MD
1991	R. Edward Carter, MD	2006	Hans L. Frankel, MD
1992	Albin T. Jousse, MD	2007	Robert L. Waters, MD
1993	Samuel L. Stover, MD		Gale G. Whiteneck, PhD
1994	J. Paul Thomas	2008	J. Darrell Shea, MD
1996	Alain Rossier, MD	2009	Randal R. Betz, MD
1997	David F. Apple, Jr., MD	2011	Charles H. Tator, MD, PhD
1998	Paul R. Meyer, Jr., MD, MM	2012	Daniel P. Lammertse, MD
1999	Theodore M. Cole, MD	2013	Lesley M. Hudson, MA
2000	John F. Ditunno, Jr., MD	2014	Michael J. Devivo, DrPH
2001	Henry B. Betts, MD	2015	P. Hunter Peckham, PhD
2002	Kristjan T. Ragnarsson, MD	2016	Lawrence C. Vogel, MD

ASIA 2017 Annual Meeting Pre-courses

PRE-COURSE 1 (Concurrent Sessions)

The Howard H. Steel Pre-course on Pediatric Spinal Cord Injury and Dysfunction

Journal numbering is indicated as follows: P = Poster, O = Oral and C = Course

Rooms are color coded as Enchantment Ballroom A/B Enchantment Ballroom C/D Fiesta Room
 Pavilion I-III Pavilion IV Pavilion VI Enchantment Ballroom E/F

Tuesday, April 25, 2017

6:00 PM - 8:00 PM	Welcome Reception For The Howard H. Steel and Urology Pre-courses <i>Sponsored by Shriners Hospitals for Children</i>	Hotel Andaluz
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Wednesday, April 26, 2017

6:30 AM - 5:30 PM	Registration	Pavilion Landing
6:30 AM - 8:00 AM	Breakfast with Exhibitors	Enchantment A/B
8:00 AM - 8:10 AM	Introduction MJ Mulcahey, PhD, OTR/L	Enchantment Ballroom C
8:10 AM - 8:50 AM	The Stephen M. Haley Memorial Lectureship: Administration, Scoring and Interpretation of the Pediatric SCI Activity Measure, and the Pediatric Measure of Participation <i>Moderator: MJ Mulcahey, PhD, OTR/L</i> Mary Slavin, PhD, PT	Enchantment Ballroom C
8:50 AM - 9:05 AM	DISCUSSION	Enchantment Ballroom C
9:05 AM - 9:30 AM	O/69 – O/71 SESSION ONE: Measurement and Outcome Instruments <i>Moderator: Linda Jones, PT</i> <ul style="list-style-type: none"> Development, Validation and Reliability of the Pediatric Neuromuscular Recovery Scale, Implications for Research and Practice - Andrea Behrman, PhD, PT Despite Limitations, The SCIM-III is Reproducible, and a Valid Indicator of Physical Function in Youth with Spinal Cord Injury - MJ Mulcahey, PhD, OTR/L Validation of Linking Estimates for the Pediatric SCI Activity Measure, Implications for Research and Practice - Mary Slavin, PhD, PT 	Enchantment Ballroom C
9:30 AM - 10:15 AM	O/72 – O/74 SESSION TWO: Common Data Elements and International Data Sets: Panel Discussion <i>Moderator: Lyn Jakeman, PhD</i> <ul style="list-style-type: none"> The NINDS SCI Pediatric CDEs for Functional Outcome Instruments, Implications for Research and Practice - Rebecca Martin, OTD The NINDS SCI Pediatric CDEs for Psychosocial and Quality of Life Outcome Instruments, Implications for Research and Practice - Kathy Zebracki, PhD Relevance of the International Spinal Cord Injury Basic Data Sets to Children and Youth: An Inter-professional Review with Recommendations - Lawrence Vogel, MD 	Enchantment Ballroom C
10:15 AM - 10:45 AM	P/13 – P/21 Scientific Poster Session/Break with Exhibitors	Enchantment Ballroom C
10:45 AM - 11:05 AM	Orientation To WeeStep and SkinStep Mary Schmidt Read, PT, DPT, MS	Enchantment Ballroom C
10:45 AM - 11:05 AM	Keynote Lecture: Spinal Cord Injury and Transverse Myelitis in Neonates and Young Children: Assessment, Treatment and Long-term Outcomes <i>Moderators: Heather Russell, PhD; Cristina Sadowsky, MD</i> Karen Pape, MD, FRCPC	Enchantment Ballroom C

11:05 AM - 11:10 AM	DISCUSSION	Enchantment Ballroom C
11:10 AM - 11:55 AM	O/76 – O/79 SESSION THREE: Case Presentations: Acute Flaccid Paralysis in Children: Differential Diagnosis and Treatment Decision Making <i>Moderator: Lawrence Vogel, MD</i> <ul style="list-style-type: none"> Case Report and Literature Review of Pediatric Anterior Spinal Artery Syndrome Likely Due to Fibrocartilaginous Embolism – Are We Understanding the Prevalence in Our Youngest Patients? - Angela Vrooman, DO; Rajashree Srinivasan, MD An Interdisciplinary Activity Based Approach to Treatment for Intrauterine Spinal Cord Stroke – A Case Report - Erin Neuland, DPT Case Report of Creative Solutions for Pediatric Development of Early Mobility - Meredith Budai, PT, DPT, ATP/SMS Acute Flaccid Myelitis (AFM) in Pediatric Population: Case Reports and Rehabilitation Consideration - Cristina Sadowsky, MD 	Enchantment Ballroom C
11:55 AM - 12:30 PM	O/80 SESSION FOUR: Caregiving Across the Lifespan of Pediatric Spinal Cord Injury <i>Moderators: Kathy Zebracki, PhD; Heather Taylor, PhD</i> Erin H. Kelly, PhD; Heather Russell, PhD; Susan Ryerson Espino, PhD <ul style="list-style-type: none"> Results of a Rapid Review of the Literature on Caregiving and Pediatric SCI Caregivers of Youth with SCI: Results of an Intervention Pilot Study Unmet Caregiver Needs Across the Lifespan: Results of Qualitative Interviewing with Caregivers of Youth with SCI 	Enchantment Ballroom C
12:30 PM - 1:45 PM	LUNCH - Combined Session With Urology Pre-Course Transitional Urology: Panel Discussion Michael Kennelly, MD, FACS, FPMRS	Pavilion VI
1:45 PM - 2:05 PM	Keynote Lecture: Long-Term Outcomes Of Diaphragm Pacing In Children With Spinal Cord Injury <i>Moderator: Karen Pape, MD, FRCPC</i> Raymond P. Onders, MD	Enchantment Ballroom C
2:05 PM - 2:30 PM	DISCUSSION	Enchantment Ballroom C
2:30 PM - 2:50 PM	O/83 – O/84 SESSION FIVE: Functional And Therapeutic Electrical Stimulation <i>Moderators: Christina Calhoun Thielen, MSPT; Rebecca Martin, OTD</i> <ul style="list-style-type: none"> Neuromuscular Electrical Stimulation Is Safe In Children With Intramuscular Diaphragmatic Pacer: A Case Series - Julie Cagney, PT, DPT, PCS Transcutaneous Spinal Cord Stimulation Generates Reciprocal Lower Extremity Movement In Pediatric Patients With Motor Complete Spinal Cord Injury - Brooke Meyer, PT, DPT 	Enchantment Ballroom C
2:50 PM - 3:15 PM	O/85 – O/87 SESSION SIX: Program Development And Evaluation In Pediatric Rehabilitation <i>Moderator: Bethany Lipa, MD</i> <ul style="list-style-type: none"> Youth Participation - Beth Scrimshaw, MA, Hons A Brief Immersion Into Complimentary And Integrative Therapy: Is It Enough? - Pamela Patt, MS, RDN, CSP, LD Autonomic Dysreflexia CSW: Case Report - Lyn Sapp, MN, RN, CRRN 	Enchantment Ballroom C
3:15 PM - 3:30 PM	Coffee Break with Exhibitors	Enchantment A/B
3:30 PM - 4:00 PM	O/88 – O/91 SESSION SEVEN: Outcomes In Pediatric Spinal Cord Injury SCI <i>Moderator: Mary Slavin, PhD, PT</i> <ul style="list-style-type: none"> Outcomes Of Locomotor Training In Children With SCI - Andrea Behrman, PhD, PT Predictors Of Child Reported Outcomes Of Daily Routines, Mobility And Participation After Pediatric Spinal Cord Injury - MJ Mulcahey, PhD, OTR/L Violent Etiology As An Indicator Of Risk In Pediatric Onset Spinal Cord Injury - Alicia January, PhD Psychosocial Outcomes In Youth With SCI - Erin H. Kelly, PhD 	Enchantment Ballroom C

- PRE-COURSE ONE CONTINUED -

4:00 PM - 4:15 PM	P/13 – P/21 Break with Exhibitors and Poster Viewing <i>Enchantment Ballroom A/B and Atrium Balcony</i>
4:15 PM - 4:45 PM	Orientation To WeeStep and SkinStep Mary Schmidt Read, PT, DPT, MS <i>Enchantment Ballroom C</i>
4:45 PM - 5:25 PM	O/92 – O/94 SESSION EIGHT: Orthopedics Moderator: Peter Armstrong, MD <ul style="list-style-type: none"> • Scoliosis In Pediatric Onset Spinal Cord - Richa Kulshrestha, MBBS, MRCPCH • Progression Of Scoliosis In Children With Spinal Cord Injury At Five Years Of Age Or Younger - Jennifer Schottler, PT • Osteoporosis In Pediatric Spinal Cord Injury And Spina Bifida - Christina V. Oleson, MD • Discussion <i>Enchantment Ballroom C</i>
5:25 PM - 5:45 PM	The Newton C. McCullough Lectureship: "The Past, Present and Future Landscape for Orthopedic Management of Infants, Children and Adolescents with SCI" - Supported by AO North America Moderator: Peter Armstrong, MD Randal R. Betz, MD <i>Enchantment Ballroom C</i>
5:45 PM - 5:55 PM	Discussion <i>Enchantment Ballroom C</i>
5:55 PM - 6:00 PM	Closing Remarks Randal R. Betz, MD <i>Enchantment Ballroom C</i>
6:00 PM - 7:00 PM	Welcome Reception with Exhibitors: 2017 ASIA Annual Meeting <i>Pavilion IV</i>

Thank you to our ASIA 2017 Clinic/Institutional Members!



International Center for Spinal Cord Injury
at Kennedy Krieger Institute

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PRE-COURSE 2 (Concurrent Sessions) Urology

Rooms are color coded as ■ Enchantment Ballroom A/B ■ Enchantment Ballroom C/D ■ Fiesta Room
■ Pavilion I-III ■ Pavilion IV ■ Pavilion VI ■ Enchantment Ballroom E/F

Tuesday, April 25, 2017

6:00 PM - 8:00 PM	Welcome Reception For The Howard H. Steel and Urology Precourses Sponsored by Shriners Hospitals for Children <i>Hotel Andalu</i>
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Wednesday, April 26, 2017

6:30 AM - 5:30 PM	Registration <i>Pavilion Landing</i>
6:30 AM - 8:00 AM	Breakfast with Exhibitors <i>Enchantment A/B</i>
8:00 AM - 8:10 AM	Introduction and Course Objectives Moderator: Michael Kennelly, MD, FACS, FPMRS MJ Mulcahey, PhD, OTR/L <i>Fiesta Room</i>
8:10 AM - 8:50 AM	Neural Control of Lower Urinary Tract Gary E. Lemack, MD <i>Fiesta Room</i>
8:50 AM - 9:15 AM	Neuro-Urology Terminology & Classification of Neurogenic Lower Urinary Tract Dysfunction (NLUTD) David A. Ginsberg, MD <i>Fiesta Room</i>
9:15 AM - 9:45 AM	Diagnostic Work-up of NLUTD Michael Kennelly, MD <i>Fiesta Room</i>
9:45 AM - 10:00 AM	Coffee Break with Exhibitors <i>Enchantment A/B</i>
10:00 AM - 11:30 AM	Practical Urodynamic Testing for the SCI Professional <ul style="list-style-type: none"> • Urodynamic Basics - Stephen R. Kraus, MD • Urodynamic Guidelines Relating to NLUTD - Gary E. Lemack, MD • Urodynamic Case Studies - Panel - Stephen R. Kraus, MD; Gary E. Lemack, MD Moderator: David A. Ginsberg, MD <i>Fiesta Room</i>
11:30 AM - 12:30 PM	Treatment of NLUTD <ul style="list-style-type: none"> • Intermittent Catheterization and the Barriers Faced - Michael Kennelly, MD, FACS, FPMRS • Pharmacotherapy for NLUTD - John P. Lavelle, MB, FRCSI • Botulinum Toxin for NLUTD - Stephen R. Kraus, M <i>Fiesta Room</i>
12:30 PM - 1:45 PM	LUNCH - Combined Session With Steel Pre-Course Transitional Urology: Panel Discussion <i>Pavillion VI</i>
1:45 PM - 2:35 PM	Treatment of NLUTD (continued) <ul style="list-style-type: none"> • Neuromodulation: Sacral Neuromodulation and PTNS - Gary E. Lemack, MD • Surgery for NLUTD - David A. Ginsberg, MD <i>Fiesta Room</i>
2:35 PM - 3:15 PM	Special Considerations of NLUTD <ul style="list-style-type: none"> • Urinary Tract Infections: The Bane of the SCI Patient - Sara M. Lenherr, MD, MS • Urologic Complications of Neurogenic Bladder and Treatment - Michael Kennelly, MD, FACS, FPMRS <i>Fiesta Room</i>
3:15 PM - 3:30 PM	Coffee Break with Exhibitors <i>Enchantment A/B</i>
3:30 PM - 4:10 PM	Special Considerations of NLUTD (continued) <i>Fiesta Room</i>
4:10 PM - 5:20 PM	Interesting Case Presentations with Audience Participation and All Faculty <ul style="list-style-type: none"> • Case 1. Optimal Management of Neurogenic Detrusor Underactivity • Case 2. Optimal Management of Neurogenic Detrusor Overactivity • Case 3. Optimal Management of Detrusor Sphincter Dyssynergia in the Male Patient • Case 4. Optimal Management of Urethral Underactivity/Neurogenic Stress Incontinence <i>Fiesta Room</i>
5:20 PM - 5:30 PM	Open Discussion & Concluding Remarks Moderator: Michael Kennelly, MD, FACS, FPMRS <i>Fiesta Room</i>
5:30 PM	Adjourn <i>Fiesta Room</i>
6:00 PM - 7:00 PM	Welcome Reception with Exhibitors: 2017 ASIA Scientific Meeting <i>Pavilion IV</i>



2017 Annual Scientific Meeting

APRIL 26-29, 2017 · HYATT REGENCY ALBUQUERQUE

Meeting Schedule

Journal numbering is indicated as follows: P = Poster, O = Oral and C = Course

Rooms are color coded as:

- Enchantment Ballroom A/B
- Enchantment Ballroom C/D
- Fiesta Room
- Pavilion I-III
- Pavilion IV
- Pavilion VI
- Enchantment Ballroom E/F

A conference map is available on the ASIA Mobile Meeting Guide. Get it at asiammg.societyhq.com.

Wednesday, April 26, 2017

6:00 PM - 7:00 PM	Welcome Reception with Exhibitors: 2017 ASIA Scientific Meeting	Pavilion Landing
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Thursday, April 27, 2017

6:30 AM - 5:30 PM	Registration	Pavilion Landing
7:00 AM - 8:00 AM	Mentor/Mentee Breakfast Pavilion VI Breakfast with Exhibitors	Exhibit Area : Pavilion IV
8:00 AM - 8:20 AM	Welcome Remarks - MJ Mulcahey, PhD, OTR/L	Pavilion I-III
8:20 AM - 8:40 AM	Lifetime Achievement Award - Fin Biering-Sorensen, MD, PhD	Pavilion I-III
8:40 AM - 9:30 AM	G. Heiner Sell Lecture: Modeling SCI in Animals to Understand the Human Condition, and Vice Versa Jacqueline C. Bresnahan, PhD	Pavilion I-III
9:30 AM - 10:30 AM	P/1 – P/67 Poster Session / Coffee Break with Exhibitors -Supported by Rick Hansen Institute (RHI)	Foyers/Pavilion IV
10:30 AM - 12:00 PM	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Keynote Course: Pavilion I-III Neurogenic Bladder and the Urine Microbiome: The Good, the Bad and the Ugly <ul style="list-style-type: none"> • <i>The Human Microbiome and Its Importance in Human Health</i> Jorge Frias-Lopez, PhD • Neurogenic Bladder and the Urine Microbiome: The Good, the Bad and the Ugly - Suzanne L. Groah, MD, MSPH • Sympathetic Nervous System Plasticity and Gut Dysbiosis Impair Recovery after Spinal Cord Injury Phil Popovich, PhD </p> </div> <div style="width: 30%; background-color: #e8f5e9; padding: 5px;"> <p>C/112 Enchantment Ballroom A/B Course: Rehab Standards Track 1: Health and Wellness in Individuals with SCI/D: A Continuum of Care <i>Moderators: Isa A. McClure, PT, MAPT; Mark Nash, PhD</i> <ul style="list-style-type: none"> • Wellness Track #1: Importance of Incorporating Health & Wellness Programs into the Treatment of Individuals with Spinal Cord Injury • Wellness Track #2: Cardiovascular Disease & SCI - Mark Nash, PhD • Wellness Track #3: Modifying a DM Prevention Program for the SCI Population Mark Nash, PhD </p> </div> <div style="width: 30%; background-color: #e91e63; color: white; padding: 5px;"> <p>C/116 Enchantment Ballroom E/F Course: Selection, Administration, Scoring and Interpretation of the Pediatric SCI Activity Measure and the Pediatric Measure of Participation-SCI MJ Mulcahey, PhD, OTR/L Mary Slavin, PhD, PT Christina Calhoun Thielen, MSPT</p> </div> </div>	
12:00 PM - 1:45 PM	ASIA Membership Pavilion I-III Business Meeting (Lunch included) Non-Members (Lunch with Exhibitors)	Lunch with Exhibitors (Non-member Attendees) Pavilion IV

1:45 PM - 3:15 PM	<p>C/117 <i>Pavilion I-III</i> Course: Frontiers in Brain Machine Interfaces; Advances in Science, Medicine and Technology Robert Gaunt, PhD Jennifer Collinger, PhD Bolu Ajiboye, PhD John Downey Chad Bouton, PhD Leigh Hochberg, MD, PhD, FANA, FAAN</p>	<p>C/118 <i>Pavilion VI</i> Course: Evaluation of Autonomic Functions Following Spinal Cord Injury: How, What and When? Andrei Krassioukov, MD, PhD, FRCPC Marca A Sipski Alexander, MD Michael Kennelly, MD, FACS, FPMRS Nan Liu, MD Jill M. Wecht, EdD</p>	<p>O/119 – O/124 Fiesta Room General Session One: Outcomes - Measurement Scales and Imaging Papers Moderator: Denise C. Fyffe, PhD</p> <ul style="list-style-type: none"> Differences in Trunk Skeletal Muscle Cross-sectional Areas Between Men with Chronic Tetraplegia and Paraplegia Ashraf Gorgey, MPT, PhD, FACSM Age Related Changes in Reduced FOV Diffusion Tensor Imaging and Fiber Tractography of the Typically Developed Cervical and Thoracic Pediatric Spinal Cord Mahdi Aliizadeh Expectations in Chronic QOL Following Cervical Traumatic Spinal Cord Injury Based on the Initial Severity of the Neurological Injury Cynthia Thompson, PhD Rasch-based Activity of Daily Living Measures for SCI Longitudinal Studies Craig Velozo, PhD, OTR/L Development and Validation of a Prognostic Score by Using Machine Learning to Predict 5-year Mortality After Spinal Cord Injury - Andrea Behrman, PhD, PT; Vanessa Noonan, MScPT PhD When Is A Spinal Cord Injury (SCI) Complete? Christian Schuld, PhD Candidate 	<p>C/112 <i>Enchantment Ballroom A/B</i> Course: Rehab Standards Track 2: Health and Wellness in Individuals with SCI/D: A Continuum of Care Moderator: Isa A. McClure, PT, MAPT</p> <ul style="list-style-type: none"> Wellness Track #4: Social & Environmental Limitations In Getting And Staying Healthy Anne Bryden, OTR/L Wellness Track #5: Exercise & Sports - Lawrence Harding, MS, PT 	<p>O/129 - O/134 <i>Enchantment Ballroom C/D</i> General Session Two: Assistive Technology and Community Re-integration Papers Moderators: Isa A. McClure, PT, MAPT; Michael Priebe, MD</p> <ul style="list-style-type: none"> UroWatch – Proof-of-Concept of The Feasibility of Electrical Impedance Tomography (EIT) for Noninvasive Continuous Bladder Volume Measurement in Individuals with SCI Ruediger Rupp, PhD SCiPad: Telemedicine Program Using iPad's for Individuals With Spinal Cord Injuries - Kazuko Shem, MD Comparison of Temporal Spatial Characteristics and Shoulder Muscle Activity During Reverse and Conventional Manual Wheelchair Propulsion in Persons With Paraplegia Lisa Haubert, MPT Impact of Community Fitness and Wellness Program on Quality of Life After a Spinal Cord Injury Jeremy Gibson, BS; Kimberly Sharo, BS; Heather Tolle, MA; Beatrice Ugiliweneza, PhD, MS Caregivers' Perspectives On Travel Barriers For People With Spinal Cord Injury - Ozen Bas, PhD Candidate; Noah Hoback, Tourism Facilitators Of And Barriers To Travel For People With Spinal Cord Injury - Shu Cole, PhD 	
3:15 PM - 4:15 PM	<p>Keynote Lecture: <i>Pavilion I-III</i> Can We Harness Spinal Plasticity Triggered by Intermittent Hypoxia to Improve Breathing and Walking after SCI? Gordon Mitchell, PhD</p> <p><i>Supported by the National Neurotrauma Society (NNS)</i></p>			<p>C/112 <i>Enchantment Ballroom A/B</i> Course: Rehab Standards Track 2 (continued): Health and Wellness in Individuals with SCI/D: A Continuum of Care Moderator: Isa A. McClure, PT, MAPT</p> <ul style="list-style-type: none"> Wellness Track #6: Health & Wellness of the Caregiver Marissa Malady, OTR/L; Shari L. McDowell, PT, DPT; Cindy Nead, COTA Wellness Track #7: Fitness & Nutrition: Perspectives From Those Living With SCI Rachel Cowan, PhD; Joanne Smith; Christopher Wynn 		
4:15 PM - 4:30 PM	<p>Coffee Break with Exhibitors <i>Pavilion IV</i></p>					
4:30 PM - 5:30 PM	<p>Point-Counter Point Presentation: End of Life and Participation in Risky Business: Right to Choose Moderator: Rita G. Hamilton, DO <i>Pavilion I-III</i></p>					
7:00 PM - 9:00 PM	<p>Presidential Reception (Exhibitors invited) <i>Civic Plaza</i></p>					

Friday, April 28, 2017

6:30 AM - 5:30 PM	Registration					Pavilion Landing
7:00 AM - 8:00 am	Breakfast with Exhibitors					Pavilion IV
7:00 AM - 8:00 AM	O/138 – O/149 Pavilion IV Case Study Session with Breakfast <ul style="list-style-type: none"> • Case Report: Anticipated Outcomes after Cervical SCI at Three Months of Age Followed by Unexpected Outcomes with Activity-based Therapy at Three Years of Age Laura Argetsinger, PT, DPT; Shelley Trimble, PT; Mackenzie Roberts, PT, DPT; Andrea Behrman, PhD, PT • Case Report Title: Idiopathic Aquaporin Antibody-4 Negative Longitudinally Extensive Transverse Myelitis: A Case Report and Rehabilitation Perspective - Baris M. Kural, MD; Gang Li, MD • Resource Utilization and Access to Care in an Unfunded Tetraplegic: A Case Study and Call to Patient Advocacy - Angela Vrooman, DO • Subacute Combined Degeneration Caused by Vitamin B12 Deficiency Secondary to Helicobacter Pylori: A Case Report Daniel Goldish, MD • Nitrous Oxide Induced Vitamin B12 Deficiency Myelopathy: A Case Report - Wesley Chay, MD • Occurrence of Tetraplegia in a Patient With Chronic Paraplegia: Case Report and Literature Review of Ankylosing Spondylitis And Spinal Cord Injury - Angela Vrooman, DO • Acute Femoral Fractures While Learning Self-Lower Extremity Dressing (LED) in Chronic Spinal Cord Injury with Complete Paraplegia: Case Series - Angela Vrooman, DO; Radha Korupolu, MD; Lisa Wenzel, MD 		<ul style="list-style-type: none"> • Hip Fracture during Colonoscopy: A Case Report - Anita Kou, MD • Rehabilitation of Caudal Regression Syndrome: Rare Case Report - Neel Chandel, MD; Yuxi Chen, MD • Safety and Efficacy of Transcutaneous Spinal Cord Stimulation in Individuals with Chronic Tetraplegia and Diaphragmatic Pacemakers: A Case Series - Liza McHugh, DPT • Activity Based Restorative Therapy (ABRT) and the Risk of Developing Skin Tears in Patients with Spinal Cord Injury: A Case Report - Quyen Catania, PT, DPT, CWS • Enhancing Upper Extremity Function Using FES-Assisted Cycle Ergometry: A Case Series Evaluation Sarah Miles, MSc, OTReg.; Karen Logie, PTA, FI; Stephanie Marrocco, MSc; Manny Pai, MScOT, OTReg.(On); Dalton Wolfe, PHD 		Breakfast with Exhibitors	Pavilion IV
8:00 AM - 9:20 AM	O/150 – O/157 Award Session Papers <i>Moderator: Mark Nash, PhD</i>					Pavilion I-III
9:20 AM - 9:30 AM	DISCUSSION (Award Session Papers)					Pavilion I-III
9:30 AM - 10:30 AM	P/1 - P/67 Poster Session / Coffee Break with Exhibitors -Supported by Rick Hansen Institute (RHI)					Foyers/Pavilion IV
10:30 AM - 11:30 AM	Keynote Lecture: Habit Hides Recovery In Neonatal To Adult SCI - Supported by Rick Hansen Institute (RHI) Karen Pape, MD, FRCPC					Pavilion I-III
11:30 AM -12:45 PM	Lunch Symposium Presented by ReWalk Robotics (Non CME/CE) or On Own					Pavilion IV
12:45 PM - 2:15 PM	C/159 Pavilion I-III Course: Clinical Trials 360 degree sponsored by Spinal Cord Outcomes Partnership Endeavor (SCOPE) Linda Jones, PT Daniel Lammertse, MD Alex Aimetti, PhD P. Hunter Peckham, PhD James Guest, MD, PhD, FACS Marco Rizzo, MD, PhD Ida K. Fox, MD Igor A. Lavrov, PhD	O/160 – O/164 Pavilion VI General Session Three: Cardiovascular Papers <i>Moderator: Cathy Craven, MD</i> <ul style="list-style-type: none"> • Cardiac Autonomic and Diastolic Interactions in Individuals with Spinal Cord Injury - Hisham Sharif, MSc. • Reliability and Validity of Aquatic Testing for Individuals With Spinal Cord Injury - Paula Geigle, MD • Passive Exercise Restores Cerebral Vascular Function After Experimental High-thoracic Spinal Cord Injury Mengyao Jia, BSc • Left Ventricular Contractile Function Is Critically Dependent On Descending Sympathetic Control And Can Be Restored With Minocycline After Spinal Cord Injury Jordan Squair, MSc • Moderate-to-Vigorous Physical Activity is Related to Cardiac Function In Spinal Cord Injury Laura McCracken 	C/165 Fiesta Room Course: Perspectives From Both Sides of The Transition From Pediatric to Adult Care for Individuals With Spinal Cord Injury Kathy Zebracki, PhD Dawn Sheaffer, MSW, LSW Trisha Hicks, LSW, MEd Susan Ryerson Espino, PhD Heather Russell, PhD	C/112 Enchantment Ballroom A/B Course: Rehab Standards Track 3: Health and Wellness in Individual with SCI/D: A Continuum of Care <i>Moderator: Isa A. McClure, PT, MAPT</i> <ul style="list-style-type: none"> • Wellness Track #8: Leisure Skills & Community Re-Integration Kelly Edens, CTRS • Wellness Track #9: Health & Wellness Mobile Apps –Tracking Systems for All Populations Shari L. McDowell, PT, DPT • Wellness Track #10: Supporting Individual Self Efficacy & Building Relationships Shari L. McDowell, PT, DPT 	C/173 Enchantment Ballroom C/D Course: Challenges with Performing the ISNCSCI (or ASIA) Examination and Classification Steven Kirshblum, MD William Scelza, MD Mary Schmidt Read, PT, DPT, MS Stephen P. Burns, MD	ASIA Exam Course Enchantment Ballroom E/F
2:15 PM - 2:45 PM	Coffee Break with Exhibitors					Pavilion IV

2:45 PM - 3:45 PM	Round Rooms <i>Pavilion I-III</i>			C/112 <i>Enchantment Ballroom A/B</i> Course: Rehab Standards Track 3: Health and Wellness in Individual with SCI/D: A Continuum of Care Moderator: Isa A. McClure, PT, MAPT • Wellness Track #11: Incorporating Chiropractic Interventions for Spinal Cord Injured Individuals & The Wheelchair Athlete - 30 Minute Lecture, 30 Minute Hands On Lab Donald Defabio, DC, CES, PES, DA		ASIA Exam Course <i>Enchantment Ballroom E/F</i>
3:45 PM - 5:15 PM	C/174 <i>Pavilion I-III</i> Course: Spinal Cord Ability Ruler (SCAR): Transforming Ordinal Scales into a Continuous Linear Outcome Measure John Steeves, PhD	C/175 <i>Pavilion VI</i> Course: The Path to Successful Translational Research: How to Move to the Next Step Laura Krisa, PhD Lyn Jakeman, PhD Linda Jones, PT Mark Nash, PhD Michael Beattie, PhD Patrick M. Kochanek, MD, MCCM Sanjay Dhall, MD	C/176 <i>Fiesta Room</i> Course: Neuroprosthetics for Autonomic Function: Spinal Cord Electrical Stimulation for Modulation of Autonomic Control After Spinal Cord Injury in Man Kathy Zebracki, PhD Dawn Sheaffer, MSW, LSW Trisha Hicks, LSW, MEd Susan Ryerson Espino, PhD Heather Russell, PhD	C/112 <i>Enchantment Ballroom A/B</i> Course: Rehab Standards Track 3: Health and Wellness in Individual with SCI/D: A Continuum of Care Moderator: Isa A. McClure, PT, MAPT • Wellness Track #12: How Do You Create a Balanced Shoulder with Unbalanced Innervation? Janelle Camahan, DPT • Wellness Track #13: Cancer Related SCI & Wellness Amanda Morina, PT; Lisa Ruppert, MD • Wellness Track #14: Telehealth and Long Term Health Benefits for the Individual with SCI Gabriella Stiefbold, OT, ATP	C/177 <i>Enchantment Ballroom C/D</i> Course: Segmental Assessment of Trunk Control (SATCo): Measurement and Use for Children with Spinal Cord Injury Andrea Behrman, PhD, PT Laura Argetsinger, PT, DPT Sandra Saavedra, PhD, PT	ASIA Exam Course <i>Enchantment Ballroom E/F</i>
5:15 PM - 6:00 PM	Awards Ceremony Moderator: Keith E. Tansey, MD, PhD					<i>Pavilion I-III</i>

Saturday, April 29, 2017

6:30 AM - 12:00 PM	Registration					<i>Pavilion Landing</i>
7:00 AM - 8:00 AM	Breakfast					<i>Grand Pavilion Prefunction Foyer</i>
8:00 AM - 9:00 AM	C/178 <i>Pavilion I-III</i> Course: Schwann Cells as a Therapeutic Strategy for SCI Kim Anderson-Erisman, PhD Allan D. Levi, MD, PhD, FACS Damien Pearse, PhD Rosie Curiel, PsyD	C/179 <i>Pavilion VI</i> Course: TeleSCI: Let's Get Going! Marcalee Alexander, MD Sarah Everhart-Skeels Jaye Hefner, MD Bethlyn Houlihan, MSW, MPH Sarah Everhart Skeels, MPH Ingebjorg Irgens, MD	O/180 – O/184 <i>Fiesta Room</i> General Session Four: Mixed Papers Moderator: Amy Bohn, OT • Improved Health Self-Management through a Peer-Led Telephone-Based Empowerment Intervention for Persons with Chronic SCI Bethlyn Houlihan, MSW, MPH • Initial Outcomes from a Multi-Center Feasibility Study Utilizing the Indego Powered Exoskeleton in Spinal Cord Injury Candace Tefertiller, PT, DPT, NCS • Perceived Disability & Post-Traumatic Stress Predict Perceptions of Injustice after Spinal Cord Injury Kimberly Monden, PhD • GNS at Home Improves Urinary Continence and User Satisfaction for Individuals with SCI and Neurogenic Detrusor Overactivity Dennis Bourbeau, PhD • International Standards Committee Update - New and Discussed Changes for the International Standards William P. Waring, III, MD	C/112 <i>Enchantment Ballroom A/B</i> Course: Rehab Standards Track 4: Health and Wellness in Individuals with SCI/D: A Continuum of Care Moderator: Isa A. McClure, PT, MAPT • Wellness Track #15: Transitioning Yoga from Inpatients to Outpatients to Lifelong Health & Wellness 30 Minute Lecture, 60 Minute Lab Karyn Baig, PT, DPT	C/185 <i>Enchantment Ballroom C/D</i> Course: Best Practice for the Neurological Evaluation of Children and Youth with SCI Randal R. Betz, MD Christina Calhoun Thielen, MSPT MJ Mulcahey, PhD, OTR/L Mary Schmidt Read, PT, DPT, MS Lawrence Vogel, MD	- CONTINUED -

9:00 AM - 10:00 AM	C/187 <i>Pavilion I-III</i> Course: A FAIR Share Community to Enhance the Value of Preclinical Spinal Cord Injury Research Data Lyn Jakeman, PhD Karim Fouad, PhD Jeffrey Grethe, PhD Vance Lemmon, PhD Adam R. Ferguson, PhD	C/188 <i>Pavilion VI</i> Course: Rehabilitation Paradigms in Restoring Lean Mass and Bone Mass after Spinal Cord Injury Ashraf Gorgey, MPT, PhD, FACSM Therese Johnston, PT, MBA, PhD Gail F. Forrest, PhD	C/189 <i>Fiesta Room</i> Course: Peer-Supported Self-Directed Care Optimizes Successful Community Transition after Spinal Cord Injury Rehabilitation Julie Gassaway, MS RN Minna Hong Pete Anziano Shane Sweet, PhD	C/112 <i>Enchantment Ballroom A/B</i> Course: Rehab Standards Track 5: Health and Wellness in Individuals with SCI/D: A Continuum of Care Moderator: <i>Isa A. McClure, PT, MAPT</i> <ul style="list-style-type: none"> Wellness Track #16: Program Round Table - Participants Will Give a Brief Introduction and Explanation of their Program and an Interactive Program Where the Moderator will have Prepared Questions about These Wellness Programs. 	C/191 <i>Enchantment Ballroom C/D</i> Course: Innovative Approaches to Integrating Qualitative Methods in the Beginning, Middle and End of an SCI RCT Denise C. Fyffe, PhD Brooke Dorsey-Holliman, PhD Susan Magasi, PhD	
10:00 AM - 10:15 AM	Coffee Break					Grand Pavilion Prefunction Foyer
10:15 AM - 11:45 AM	O/192 – O/197 <i>Pavilion I-III</i> General Session Five: Basic Science and Metabolic Syndromes Papers Moderator: <i>Kim Anderson-Erisman, PhD</i> <ul style="list-style-type: none"> Development of an Instrumented Spinal Cord Surrogate Using Embedded Optical Fiber: A Feasibility Study Jean-Marc Mac-Thiong, MD PhD Circulating PAMM, A Novel Antioxidant and Anti-Inflammatory Protein, is a Potential Biomarker of Injury Severity after Acute SCI Leslie Morse, DO, CCD Spinal Cord Injury Induced Systolic Dysfunction is Associated with Cardiomyocyte Atrophy and Increased Proteolysis Malihe-Sadat Poormasjedi-Meibod, PhD Mitochondrial Activity As A Function Of Body Composition And Metabolic Profile In Individuals With Spinal Cord Injury Laura O'Brien, PhD Cardiometabolic Syndrome Diagnostic Criteria and Their Application to Individuals With Spinal Cord Injury Manon M. Schladen, PhD Dietary Intervention for Individuals With Spinal Cord Injuries – A Prospective Longitudinal Follow-Up Study Samford Wong, MSc, PhD 	C/198 <i>Pavilion VI</i> Course: Management of Infertility in Men with Spinal Cord Injury Nancy Brackett, PhD, HCLD Charles Lynne, MD Emad Ibrahim, MD Stacy L. Elliott, MD	O/199 – O/203 <i>Fiesta Room</i> General Session Six: Advocacy and Prevention Papers Moderator: <i>Leslie Morse, DO, CCD</i> Fiesta Room <ul style="list-style-type: none"> Attitudes Of Health-Care Professionals And People With Spinal Cord Injury In Ireland To The Use Of Human Embryonic Stem Cells Eimear Smith, MD Spinal Cord Injury Waiver Government Funding Complementary and Alternative Medicine Chanda Hinton Leichte RSVP for Free Healthcare for the Uninsured Jeffrey Berliner, DO William Niehaus, MD Relationship of ASIA Impairment Scale (AIS) Grade to Post-injury Hospitalization Costs in Thoracic Spinal Cord Injury Ellen Dukes, PhD Steven Kirshblum, MD Alex Aimetti, PhD Sarah Qin, MBA Rebecca Bornheimer, BA Gerry Oster, PhD Pain Intensity, Interference, and Medication Use After SCI: Relationship With Mortality Yue Cao, PhD, MSPH Jillian Clark, MS James Krause, PhD 	C/112 <i>Enchantment Ballroom A/B</i> Course: Rehab Standards Track 6: Health and Wellness in Individuals with SCI/D: A Continuum of Care Moderator: <i>Isa A. McClure, PT, MAPT</i> <ul style="list-style-type: none"> Wellness Track #17: The Use Of Neuromuscular Stimulation (NMES) In Conjunction With Standing Frame Intervention Elizabeth Caputo, PT, DPT, NCS Sandra Wojciehowski, PT, DPT 		
11:45 AM - 12:00 PM	Closing Remarks					

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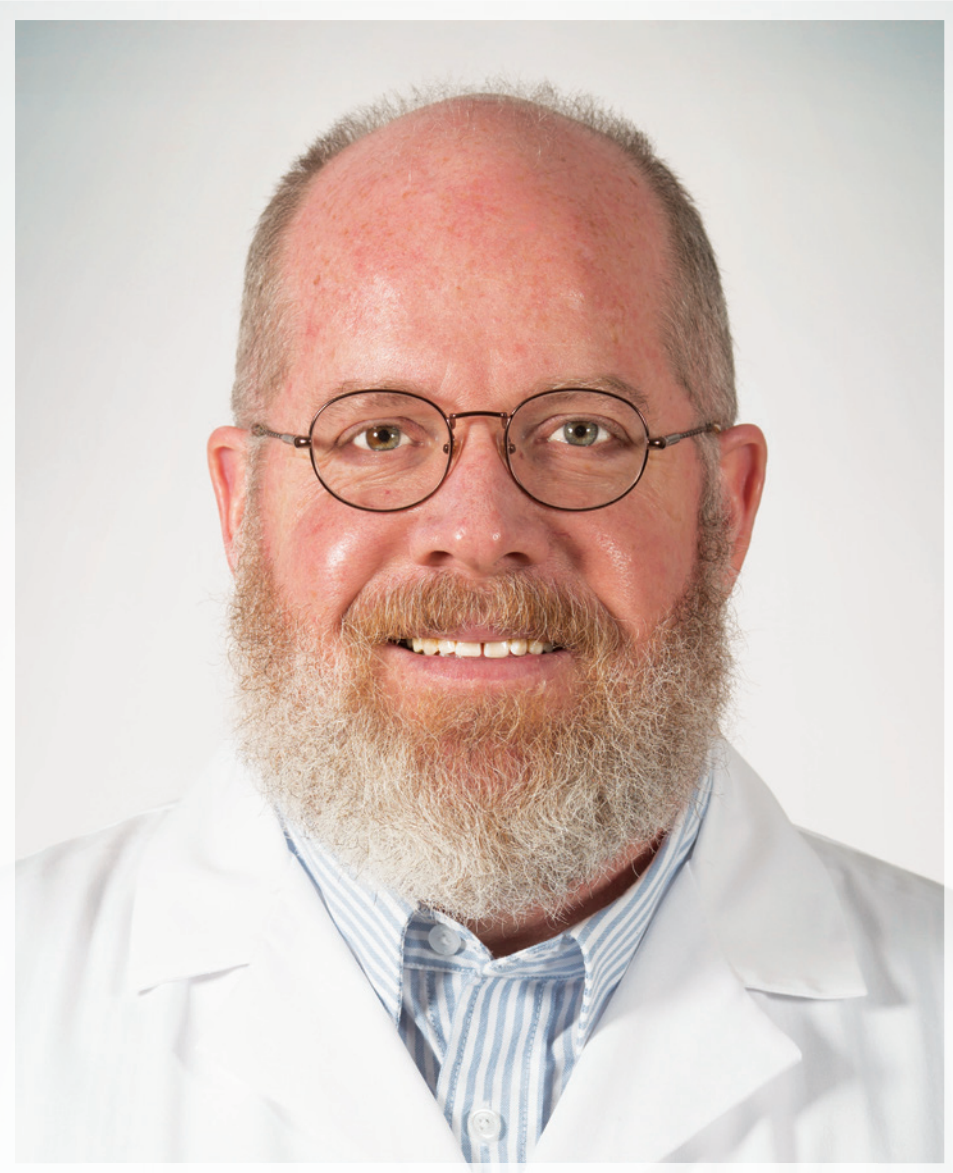
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The University of Mississippi Medical Center™ Neuro Institute proudly congratulates Keith Tansey, MD, PhD, on being named president of the American Spinal Injury Association.



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Wednesday, April 26
6:00 pm – 7:00 pm

Thursday, April 27
7:00 am – 4:30 pm

Friday, April 28
7:00 am – 2:45 pm

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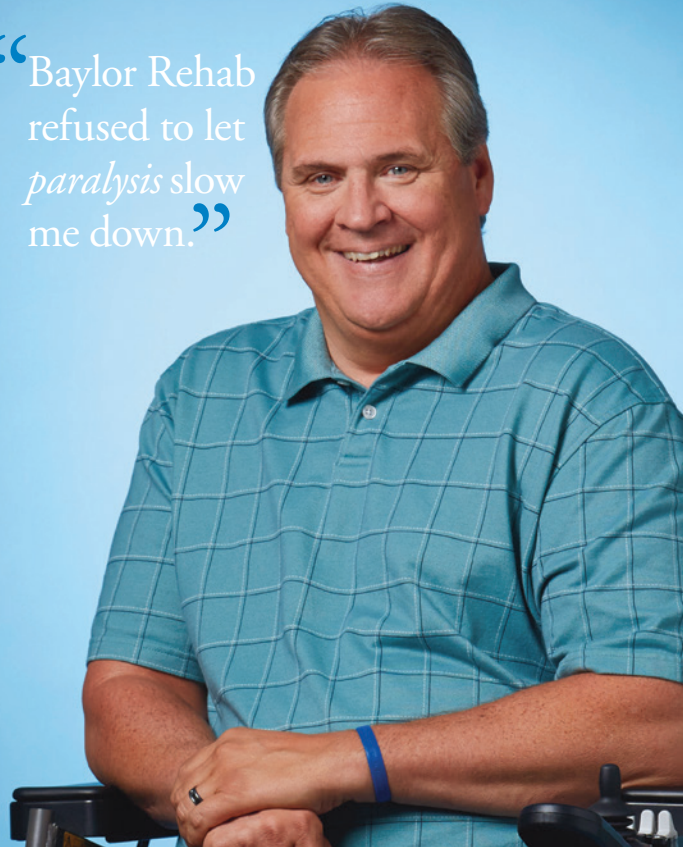


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Pictured left to right are senior scientist Keith Tansey, M.D., Ph.D.; SCI Program admitting physician Jennifer Villacorta, M.D.; and administrative director of research Dobrivoje Stokic, M.D., D.Sc.



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