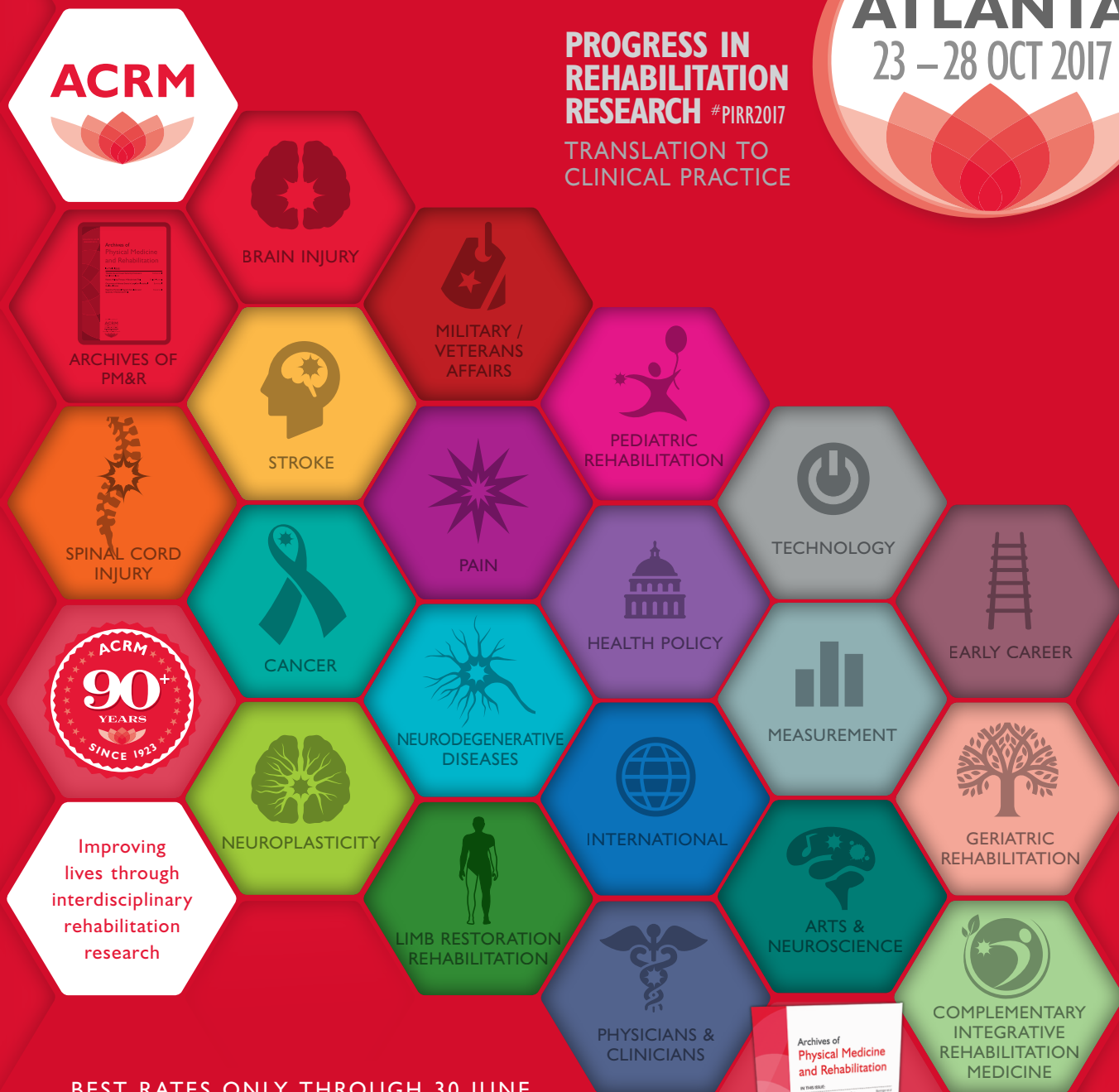


# sneak preview...

ACRM   
94<sup>th</sup> Annual  
Conference

PROGRESS IN  
REHABILITATION  
RESEARCH #PIRR2017  
TRANSLATION TO  
CLINICAL PRACTICE



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I N T E R D I S C I P L I N A R Y

# Welcome all!

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**PAMELA ROBERTS, PHD, OTR/L, SCFES, FAOTA, CPHQ, FNAP, FACRM**  
ACRM Program Committee Chair, and ACRM Stroke Interdisciplinary Special Interest Group Chair, Cedars-Sinai Health System



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Boston University School of Medicine, Boston University Neurology Associates, HealthSouth Braintree Rehabilitation Hospital

“ACRM and the Annual Conference provide the ideal venue for learning, contributing and networking, bringing together all the rehabilitation disciplines from around the world involved in rehabilitation research and clinician care. As a physician with interests spanning clinical care, research and promoting best practices in rehabilitation health care delivery, ACRM has been so valuable to me in developing and enriching my career, learning, teaching and connecting with colleagues. ACRM has provided me with some of my most valued lifelong professional associations and friendships.”

**PROGRAM NOTE:** This is a fast sneak peek of the educational sessions as planned, to date. More to come on research papers and posters. There are probably errors, typos and maybe some changes. Please forgive and see the latest at **ACRMconference.org**. Watch out for the ACRM APP coming soon ACRM.org/app. Please share this brochure with colleagues. Thank you!



**ACRM HEADQUARTERS**  
11654 Plaza America Drive, Ste 535  
Reston, Virginia, USA 20190  
Tel: +1.703.435.5335  
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Watch for the full preliminary program brochure with your July ARCHIVES of PM&R next month. Meanwhile, register...

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\*Although significant changes are not anticipated, all schedules, sessions, and presenters are subject to change.

# Powerhouse Speaker Lineup...



CONFIRMED



**PLENARY I**  
**GARY R ULICNY, PHD, FACRM**  
President and CEO, GRU Healthcare

*"Rehabilitation: Where are we now and where do we need to be?"*



**PLENARY II**  
**JOSEPHINE P BRIGGS, MD**  
Director, National Center for Complementary and Integrative Health (NCCIH), National Institutes of Health (NIH)

*"Integrative Medicine and Progress in Rehabilitation: People Really Matter"*



**PLENARY III**  
**MAURIZIO CORBETTA, MD**  
Professor and Chair of Neurology, University of Padua; Founding Director, Padua Neuroscience Center; Professor of Neurology, Radiology, Neuroscience, & Bioengineering, Washington University School of Medicine



**PLENARY IV**  
**JAMES H RIMMER, PHD**  
Lakeshore Foundation Endowed Chair in Health Promotion & Rehabilitation Sciences; Director of Research, University of Alabama at Birmingham (UAB)

*"Pathway from Acute Rehabilitation to Lifelong Health and Wellness for People with Disabilities"*

*"Behavioral Clusters and Brain Network Mechanisms of Impairment and Recovery"*



**JOHN WHYTE, MD, PHD, FACRM**  
Director, Moss Rehabilitation Research Institute; Einstein Healthcare Network



**LEORA R CHERNEY, PHD, BC-ANCDs, CCC-SLP** Professor of PM&R, Senior Research Scientist, Founder and Director of Center for Aphasia Research & Treatment, Rehabilitation Institute of Chicago (RIC)

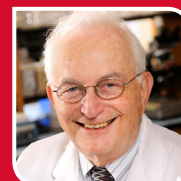
**Please join us...**



**TESSA HART, PHD, FACRM**  
Institute Scientist, Moss Rehabilitation Institute



**ANN MCKEE, MD**  
Director, CTE Center; Professor, Boston University/VA Medical Center



**DONALD G STEIN, PHD**  
Asa G Candler Professor, Emory University



**STEVEN L WOLF, PHD, PT, FAPTA, FAHA** Professor, Emory University School of Medicine, Department of Rehabilitation Medicine, Division of Physical Therapy



**MARCEL DIJKERS, PHD, FACRM**  
Research Professor, Icahn School of Medicine at Mount Sinai



**DAVID RHEW, MD**  
Chief Medical Officer (CMO) and Head of Healthcare and Fitness, Samsung Electronics of America



**TERESA BRININGER, PHD, OTR/L, CHT**  
Director, Clinical and Rehabilitative Medicine Research Program, US Army Medical Research and Materiel Command



**ERIC LESKOWITZ, MD**  
Director, Integrative Medicine Task Force, Spaulding Rehabilitation Hospital



**JULIE SILVER, MD**  
Associate Professor, Harvard Medical School, Department of Physical Medicine & Rehabilitation, Boston, MA



**ALISON CERNICH, PHD** Director, National Center for Medical Rehabilitation Research, National Institutes of Health (NIH)



**MARK HALLETT, MD**  
Chief, Human Motor Control Section, NINDS, NIH, NINDS



**SARAH ROCKSWOLD, MD**  
Medical Director of the Traumatic Brain Injury Center of Excellence, Assistant Professor, Hennepin County Medical Center, University of Minnesota



**KRISTI WILSON HILL, PHD**  
Acting Director, NIDILRR, Administration for Community Living, US Department of Health and Human Services



**ROBERT TEASELL, MD, FRCP**  
Professor and Research Director, Department of PM&R, Western University; Medical Director, Stroke Rehabilitation Program, Parkwood Institute, London, ON Canada



**STEVEN KIRSHBLUM, MD**  
Senior Medical Officer and Director of SCI, Chair of PM&R and Research Professor, Kessler Institute for Rehabilitation and Rutgers New Jersey Medical School

**Network, connect, learn, grow... #ACRM2017**

# OVERVIEW

Subject to change. As of 10May17

**ACRM**  
94<sup>th</sup> Annual  
Conference

**PROGRESS IN  
REHABILITATION  
RESEARCH #PIRR2017**  
TRANSLATION  
TO CLINICAL  
PRACTICE



**NONSTOP CONTENT:** Brain Injury • Spinal Cord Injury • Stroke • Neuroplasticity • Cancer Rehabilitation • Neurodegenerative Diseases • Pain • Health/Disability Policy • International • Measurement • Military/Veterans Affairs • Pediatric Rehabilitation • Geriatric Rehabilitation • Technology • Limb Loss Rehabilitation • Arts & Neuroscience • Complementary Integrative Rehabilitation Medicine • Clinical Practice • Cross-Cutting  
**INTERDISCIPLINARY**

<b>MON</b> 23 OCT	<b>TUE</b> 24 OCT	<b>WED</b> 25 OCT	<b>THU</b> 26 OCT	<b>FRI</b> 27 OCT	<b>SAT</b> 28 OCT
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## PRE-CONFERENCE

## CORE CONFERENCE

Instructional Courses Choose from a variety of half-day and full-day courses. Continuing Education Credit is included	Instructional Courses Choose from a variety of half-day and full-day courses. Continuing Education Credit is included	ACRM Early Career Development Course (lunch included) Included in WORLD PASS Limited space  The best advice you've not yet heard! Continuing Education Credit is included with this course	Instructional Courses Variety of half-day morning course options  ACRM Community Group Meetings <b>CORE START</b> 1:30 PM CONCURRENT SESSIONS BLOCK 1	ACRM Community Group Meetings	ACRM Community Group Meetings	ACRM Community Group Meetings	Parkinson's Disease Course For Speech Language Pathologists 8:00 AM – 5:00 PM (lunch included)
				<b>PLENARY II</b> EXPO: Coffee Break / Product Theater / Chat with Experts CONCURRENT SESSIONS BLOCK 2 LUNCHEON LECTURES EXPO: Product Theater / Chat with Experts / Lunch for purchase in EXPO CONCURRENT SESSIONS BLOCK 3 Poster Grand Rounds Poster Viewing EXPO: Product Theater / Chat with Experts CONCURRENT SESSIONS BLOCK 4 EXPO RECEPTION II / Product Theater	<b>PLENARY III</b> EXPO: Coffee Break / Product Theater / Chat with Experts CONCURRENT SESSIONS BLOCK 5 LUNCHEON LECTURES EXPO: Product Theater / Chat with Experts / Lunch for purchase in EXPO Poster Grand Rounds / Product Theater CONCURRENT SESSIONS BLOCK 6 ACRM Community Group Meetings / Paper Sessions ACRM Membership Meeting <b>OPEN TO ALL</b> Pre-Gala Cocktail Hour <b>OPEN TO ALL</b> Henry B. Betts Awards Dinner & Gala	<b>FEATURED SESSIONS:</b> Funders & Physical Fitness CONCURRENT SESSIONS BLOCK 7 CONCURRENT SESSIONS BLOCK 8 CONCURRENT SESSIONS BLOCK 9 <b>CLOSING PLENARY IV</b> Arts & Neuroscience: Ending on a High Note <b>CORE END</b> 4:00 PM OPTIONAL SOCIAL DINNERS, NETWORKING & FUN ON YOUR OWN	
<b>ACRM COGNITIVE REHABILITATION TRAINING</b> TWO-DAY COURSE		EARLY CAREER & FIRST-TIME ATTENDEE WELCOME to ACRM <b>OPEN to ALL</b>	SPONSORED SYMPOSIA TBD	ACRM EXPO OPEN TO PUBLIC	ACRM EXPO OPEN TO PUBLIC	ACRM EXPO OPEN TO PUBLIC	
OFFICIAL <b>ACBIS</b> CERTIFICATION COURSE FOR BRAIN INJURY SPECIALISTS TWO-DAY COURSE		OPENING REMARKS & <b>PLENARY I</b>					

Conference activities start as early as 7:00 AM and may run as late as 11:00 PM.

#PIRR2017

### KEY

- = CORE Educational Sessions
- = ACRM EXPO & Posters
- = Receptions: networking + fun
- = ACRM Community Group Meetings
- = Pre-Conference Instructional Courses & Workshops

**ACRM EXPO** WED PM to FRI PM  
**OPEN TO PUBLIC** ALL DAY FRIDAY

**ACRM POSTERS**  
THU AM to FRI PM



**ACRM**  
**EXPO OPEN**  
to **PUBLIC** **NEW!**  
FRIDAY  
27 OCT

# PRE-CONFERENCE & INSTRUCTIONAL COURSES (ICs)



## \$99.<sup>50</sup> each half-day block BEST RATE

- Members / non-members same price.
- Continuing education credits are included.

< Unless otherwise noted, IC pricing & registration is for half-day blocks and lunch is not included. One day block would be x2. See the WORLD PASS for best value page 21.

BEST RATE 30 JUN	EARLY BIRD 1 - 31 JULY	REGULAR 1 AUG - 22 OCT	ON-SITE 23 - 28 OCT
99.50	99.50	149.50	199.50

## MONDAY 23 OCT



				TOPICS
8:30 AM - 12:30 PM	294674	How to Deliver the Wheelchair Skills Training Program in the Clinic and Beyond		CROSS-CUTTING
8:30 AM - 12:30 PM	295192	Rising Above the Stereotypes to Create a Successful Interdisciplinary Team (Part 1)		CROSS-CUTTING
8:30 AM - 12:30 PM	296024	ICU Rehabilitation: Current State of the Evidence and Implementation Science (Part 1)		CLINICAL PRACTICE
1:30PM - 5:30PM	282464	Improving carry-over: A Practical Lab on Approaches for Translating Therapeutic Gains		CLINICAL PRACTICE
1:30PM - 5:30PM	295192	Rising Above the Stereotypes to Create a Successful Interdisciplinary Team (Part 2)		CROSS-CUTTING
1:30PM - 5:30PM	296024	ICU Rehabilitation: Current State of the Evidence and Implementation Science (Part 2)		CLINICAL PRACTICE

## TUESDAY 24 OCT



8:30 AM - 12:30 PM	289945	Integrating Outcome Measurement into Clinical Practice		CROSS-CUTTING
8:30 AM - 12:30 PM	293316	Neuromuscular stimulation to improve function in Pediatrics		PEDIATRIC REHABILITATION
8:30 AM - 12:30 PM	294466	An Introduction to Longitudinal Data Analysis (Part 1)		STATISTICAL MODELING
8:30 AM - 12:30 PM	296911	Shifting Focus: Delivering Peer-led, Person-centered Support In SCI Rehab, Community Settings		CLINICAL PRACTICE
8:30 AM - 12:30 PM	297052	A Clinician's Guide to Finding and Interpreting Data to Support Your Evidence-Based Practice		CLINICAL PRACTICE
8:30 AM - 12:30 PM	297087	Enhancing TBI Research Baseline & Outcomes Measurement w/Biomarkers & Biometrics (Part 1)		BRAIN INJURY
8:30 AM - 12:30 PM	300062	Neuropharmacology Overview: Basic Science, Clinical Use & Future Direction (Part 1)		CLINICAL PRACTICE
8:30 AM - 12:30 PM	304782	Management of Neurodegenerative Disorders w/Ayurveda & Yoga: Interdisciplinary Considerations		NEURODEGENERATIVE DISEASES
1:30PM - 5:30PM	284670	Integrative Management of Chronic Pain using Autonomic Self-Regulation		COMPLEMENTARY INTEGRATIVE MEDICINE
1:30PM - 5:30PM	294181	Reducing the Likelihood of Post-Concussive Syndrome Thru Effec. Assessmen/Education/Treatment		CLINICAL PRACTICE
1:30PM - 5:30PM	294384	Applied Longitudinal Data Analysis Using R (Part 2)		STATISTICAL MODELING
1:30PM - 5:30PM	294693	Implementing a Patient/Family Driven Care Program using Goal Attainment Scaling		CROSS-CUTTING
1:30PM - 5:30PM	296808	Brief PTSD Treatment in Rehabilitation Settings Using the "Battlefield Variant" Protocol		CLINICAL PRACTICE
1:30PM - 5:30PM	297040	New EEG & Multimodal Tools for Communication and Rehab for Users w/Severe Motor Disabilities		NEURODEGENERATIVE DISEASES
1:30PM - 5:30PM	297087	Enhancing TBI Research Baseline & Outcomes Measurement w/Biomarkers & Biometrics (Part 2)		BRAIN INJURY
1:30PM - 5:30PM	300062	Neuropharmacology Overview: Basic Science, Clinical Use, & Future Direction (Part 2)		CLINICAL PRACTICE

## WEDNESDAY 25 OCT





### MORNING ONLY COURSES





	8:00 AM - 3:00 PM	297424	<b>Early Career Development COURSE:</b> Successful Interdisciplinary Research in Academics & Industry — <i>LUNCH INCLUDED</i> see: <a href="http://ACRM.org/ecdc">ACRM.org/ecdc</a>	EARLY CAREER CROSS-CUTTING
	8:30 AM - 12:30 PM	281574	Objective Assessment of Gait Function in People Living w/NDD Conditions Using Mobile Technolo	NEURODEGENERATIVE DISEASES
	8:30 AM - 12:30 PM	285180	How to: Administering the Kessler Found. Neglect Assessment Process & Prism Adaptation Treat...	STROKE
	8:30 AM - 12:30 PM	288094	How Peers Can Be Integrated Into Rehabilitation Care Provision:Learn From a Peer Support Team...	SPINAL CORD INJURY
	8:30 AM - 12:30 PM	288985	Concussion: Managing Recovery Inertia in Complex Phenotypes: A Case Study Model	BRAIN INJURY
	8:30 AM - 12:30 PM	290429	Adapted Tango Instruction for Older Adults & People With Movement Disorders: Fundamentals	ARTS & NEUROSCIENCE
	8:30 AM - 12:30 PM	293537	Optimizing Transitions of Care in Stroke Rehab, From Day One to Community Reintegration	STROKE
	8:30 AM - 12:30 PM	294965	Contemporary Applications of Biofeedback for Patients: Mind-body Approaches to Rehabilitation	COMPLEMENTARY INTEGRATIVE MEDICINE
	8:30 AM - 12:30 PM	297047	Improving Recognition & Treatment of Sleep Apnea in the Rehab Setting to Improve Outcome	CROSS-CUTTING
	8:30 AM - 12:30 PM	297321	Stimulating Neurorecovery Using Transcranial Direct Current Stimulation	NEUROPLASTICITY
	8:30 AM - 12:30 PM	297352	Evaluating Evidence for Use in Everyday Practice	CLINICAL PRACTICE
	8:30 AM - 12:30 PM	300300	The NIH Toolbox: State of the Art Outcome Measures for Rehabilitation Practice & Research	CROSS-CUTTING

## SATURDAY 28 OCT



	8:00 AM - 5:00 PM	313279	<b>Parkinson's Disease COURSE</b> For Speech Language Pathologists — <i>LUNCH INCLUDED</i> see: <a href="http://ACRM.org/ecdc">ACRM.org/ecdc</a>	NEURODEGENERATIVE DISEASES
	8:30 AM - 12:30 PM	300216	Integrating Feldenkrais® Concepts Into Rehabilitation: A Systems Based Approach Part 1	COMPLEMENTARY INTEGRATIVE MEDICINE
	1:30 AM - 5:30 PM	300216	Integrating Feldenkrais® Concepts Into Rehabilitation: A Systems Based Approach Part 2	COMPLEMENTARY INTEGRATIVE MEDICINE

 While these courses are included in the WORLD PASS, they do include lunch and have a separate pricing structure when purchased a la carte. Advance registration is required. These events will likely sell-out.

<p><b>WED</b> CONCURRENT SESSIONS <b>BLOCK 1</b> 1:30 PM – 2:45 PM</p>	<p>Traumatic Brain Injury as a Chronic Health Condition: Long-Term Functional Change and Associated Comorbidities (Tessa Hart, Kristen Dams-O'Connor, Risa Nakase-Richardson, Jessica Ketchum, John Corrigan) #302021 BI, MIL</p>		<p>A Systematic Approach to Behavioral Management on an Interdisciplinary Treatment Team (Jeffrey Wertheimer, Ann Gottuso, Bryce Erich, Erin Moniz) #297435 BI</p>		<p>Understanding Concussion in Children (Juliet Haarbauer-Krupa, Kristy Arbogast, Lara DePadilla, Christina Master) #296678 BI, CP</p>		
<p><b>THU</b> CONCURRENT SESSIONS <b>BLOCK 2</b> 10:30 AM – 11:45 AM</p>	<p>Cultural Considerations and Impacts for Individuals with Traumatic Brain Injury (Tamara Bushnik, Angelle Sander, Marlene Vega) #297335 BI</p>	<p>Mark Ylvisaker Lecture: Social communication in adolescents with brain injury: What would Mark do? (Lyn Turkstra) #332395 PED, BI</p>	<p>From Bench to Bedside: Factors Influencing Successful Implementation of Cognitive Rehabilitation Interventions (L. Swan, C. Carter, A. Groff, V. Mykkeltvert, F. Becker, A. Linnestad) #295855 BI, INT</p>	<p>My Husband Would not Want to Live Like This': Difficult Conversations in Disorders of Consciousness (Sunil Kothari, Andrew Dennison, Susan Johnson, Katherine O'Brien, Tana Hall) #296537 BI, CP</p>	<p>An Innovative Approach to Auditory Processing Treatment for Mild TBI in the Military Setting (Heechin Chae, Cynthia Zmroczek, Stacie Robarts, Hannah Bronson) #293856 BI, MIL</p>	<p><b>MILITARY / VETERANS AFFAIRS MIL</b></p> <p>An Innovative Approach to Auditory Processing Treatment for Mild TBI in the Military Setting (H Chae, C Zmroczek, S Robarts, H Bronson) #293856 BI, MIL CROSSTAGGED</p> 	
<p><b>DON'T MISS THE BI-ISIG SUMMIT THU 12:00 - 1:30 PM</b></p>						<p><b>CHAUTAUQUA</b></p>	<p><b>BRAIN INJURY INTERDISCIPLINARY SPECIAL INTEREST GROUP</b></p>
<p>CONCURRENT SESSIONS <b>BLOCK 3</b> 1:45 PM – 3:00 PM</p>	<p><b>SPECIAL SYMPOSIUM</b> #301438 BI, CP "Treating Fatigue And Sleep Disturbance Following Traumatic Brain Injury" <b>JENNIE PONSFORD</b></p> 		<p>Post-traumatic Confusional State: A Case Definition (Mark Sherer, Douglas Katz, Yelena Bodien) #288467 BI, CP</p>	<p>Perspectives on Community Reintegration of Veterans and Service Members with TBI: Clinical Practice Implications (G Powell-Cope, B Hahn, C Dillahunt-Aspillaga, J Lind, A Sander, C Melillo, K Besterman-Dahan, K Downs, N Antinori) #288547 BI, MIL</p>	<p>The Clubhouse Model (David Burke) #304953 BI</p>	<p>Perspectives on Community Reintegration of Veterans and Service Members with TBI: Clinical Practice Implications (G Powell-Cope, B Hahn, C Dillahunt-Aspillaga, J Lind, A Sander, C Melillo, K Besterman-Dahan, K Downs, N Antinori) #288547 BI, MIL CROSSTAGGED</p>	
<p><b>MILITARY / VETERANS AFFAIRS NETWORKING GROUP</b></p>							
<p><b>FRI</b> CONCURRENT SESSIONS <b>BLOCK 5</b> 10:30 AM – 11:45 PM</p>	<p>Validity Assessment In Persons With Claimed Brain Injury: Clinical and Forensic Caveats (Nathan Zasler, Scott Bender) #294874 BI</p>	<p>The Emotional Measure of Man: Objective Approaches to Assessing Emotional Function in Traumatic Brain Injury (Prin Amorapanth, Dawn Neumann, Valerie Ellois, Joseph Rath, Preeti Raghavan) #296992 BI, CP, MES</p>	<p>Translating TBI Research for Public and Policy Use: Products from CDC/NIDILRR Interagency Agreement (Juliet Haarbauer-Krupa, John Gale Whiteneck, John Corrigan, Cate Miller, Ann Dellinger) #297206 BI</p>	<p>The Nature, Evolution, Predictors and Treatment of Psychiatric Disorders Following Traumatic Brain Injury (Jennie Ponsford) #304686 BI</p>	<p>Progressive Return to Activity After Concussion: Provider Training in a Mixed Method Study Modifies Practice (Karen McCulloch, Keith Stuessi, Jason Bailie, Wesley Cole, Mark Ettenhofer, Emma Gregory) #295737 BI, MIL</p>	<p>Translating the VA/DoD Clinical Practice Guidelines to a Civilian Population: Toward an Amputation Model System (George Gondo, Danielle Melton, Kristin Reeves, Joseph Webster, Jason Highsmith) #297045 LL, CP, MIL</p> <p><b>MORE:</b> ACRM.org/MILcontent</p> 	
<p>CONCURRENT SESSIONS <b>BLOCK 6</b> 2:30 PM – 3:45 PM</p>	<p>CDC: The Report to Congress on the Management of Traumatic Brain Injury in Children (Juliet Haarbauer-Krupa, Ann Glang, Brad Kurowski) #296634 BI, PED</p>	<p>Varieties of Consciousness: Clinical and Ethical Implications (Sunil Kothari, Christos Lazaridis) #297260 BI</p>	<p>Measurement of sleep in neurorehabilitation: The role of actigraphy (Risa Nakase-Richardson, Mo Modarres, Don Fogelberg, Jennifer Travis-Seidl) #297208 BI, TEC, MIL</p>	<p>What you Need to Know About Assessment and Treatment of Social Cognition After Brain Injury (Dawn Neumann, Barbara Zupan, Rebecca Eberle) #283259 BI, CP, ST</p>	<p>Exercise for Individuals With Traumatic Brain Injury: Evidence and Clinical Practice (Shirley Shih, Can Ozan Tan, Mary Alexis Iaccarino, Ross Zafonte) #303653 BI, CP</p>	<p>Evidence-based Pharmacological Interventions After Traumatic Brain Injury (Sonya Kim, Lilian Hofferker, Lauren Terhorst, Xiaolei Hu, Marianne Montero, Shilpa Krishnan, Trudy Mallinson, Patricia Heyn) #289738 MES, BI, MIL CROSSTAGGED</p>	
<p><b>SAT</b> CONCURRENT SESSIONS <b>BLOCK 7</b> 9:45 AM – 11:00 AM</p>	<p>NIDILRR ARRT Fellows Oral Presentation (Double Slot) #334312</p>		<p>CLDR-Sponsored Young Investigators Panel: Secondary Analysis of Archived Datasets #297175 CC</p>		<p>Deborah L Wilkerson Early Career Award (Oral Presentation)</p>		
<p>CONCURRENT SESSIONS <b>BLOCK 8</b> 11:30 AM – 12:45 PM</p>	<p>Advancing TBI Sleep Research: Three Multi-Center Studies within the TBI Model System Program (Risa Nakase-Richardson, Tamara Bushnik, Jeanne Hoffman) #296362 BI, CP, NP</p>	<p>Electronic Accommodations for Students With TBI: A Vocational Rehabilitation Demonstration's Lessons Learned (Phil Rumrill, Deborah Hendricks, Eileen Elias) #295624 BI, TEC</p>		<p><b>SPECIAL SYMPOSIUM #334313</b> "Updates in Chronic Traumatic Encephalopathy" <b>ANN MCKEE, MD</b>, Director, CTE Center; Professor, Boston University/WA Medical Center</p> 			
<p>CONCURRENT SESSIONS <b>BLOCK 9</b> 1:00 PM – 2:15 PM</p>	<p>Hormonal influences on TBI and Stroke Rehabilitation Outcome (Grace Griesbach, Lisa Kreber, Jessica Ashley) #297086 BI, ST</p> <p><b>DISCOVER more at</b> <a href="http://ACRM.org/bicontent">ACRM.org/bicontent</a></p>		<p>Getting the Most Out of the Traumatic Brain Injury Model Systems National Database (Jessica Ketchum, Dave Mellick) #289475 BI</p>	<p>Patient-Centered Vocational Rehabilitation for Individuals With Acquired Brain Injuries (Paige Salinas, Jennifer Featherston, Carlos Marquez de la Plata) #304683 BI, CP, ST</p>	<p>Evidence Based Assessment &amp; Treatment of Children and Adolescents with Mild Traumatic Brain Injury (Barry Willer, Gerard Gioia, Christina Master, John Leddy) #294168 BI, CP</p>	<p>Emerging Technologies for Emotion Regulation after TBI (Tracey Wallace, John Morris, Leighanne Davis) #288421 TEC, BI, MIL CROSSTAGGED</p>	

<b>WED</b> CONCURRENT SESSIONS <b>BLOCK 1</b> 1:30 PM – 2:45 PM	Women With Disabilities and Pelvic Health: Overcoming Barriers to Health Education Using a Webinar Series (Heather Taylor, Sophie Fletcher, Leanne Beers, Margaret Nosek) #297360 SCI		Spinal Cord Injury Patient Reported Outcomes: Transition From Research to Practice (Pamela Kisala, David Tulsy, Allen Heinemann, Vanessa Noonan, Dale Strasser) #295759 SCI, MES, CP
<b>THU</b> CONCURRENT SESSIONS <b>BLOCK 2</b> 10:30 AM – 11:45 AM	Translating SCI Rehabilitation Patient Education Research Models Into Family Education Practice (Julie Gassaway, Tamara Young, Kimberly Queen) #288126 SCI, CP	Experimental Approaches to Enhance Physiological Function after Spinal Cord Injury (Hannah Mercier, Christopher Minson, Randy Trumbower, J. Andrew Taylor) #312775 SCI	Functional Plasticity in Neurorehabilitation of Spinal Cord Injury Survivors; Findings and Clinical Implications (Steven Wolf, Aiko Thompson, Randy Trumbower) #289911 NP, SCI CROSSTAGGED
CONCURRENT SESSIONS <b>BLOCK 3</b> 1:45 PM – 3:00 PM	Exercise and Cardiometabolic Health in Spinal Cord Injured Humans • Time to Raise the Intensity? (J Bilzon, M Nash, T Nightingale) #289691 SCI, POL, CP	Comparison of SCI Patient Outcomes Based on Amount of Recreation Therapy Received During Inpatient Rehabilitation (Julie Gassaway, Kelly Edens, Madalyn Weber, Cecilia Rider) #302968 SCI, CP	The Impact of Traumatic Brain Injury in Persons with Spinal Cord Injury (Linda Isaac, Jeanne Hoffman, Kathleen Castillo, Thao Duong) #295053 SCI, BI
CONCURRENT SESSIONS <b>BLOCK 4</b> 5:00 PM – 6:15 PM	Developing Health and Wellness Community Programs After SCI • Lessons Learned (Shari McDowell, Kelly Edens, Rebecca Washburn) #295733 SCI, CP	Diet and Exercise Interventions to Improve Metabolic Health and Body Composition After Spinal Cord Injury (Ceren Yazar-Fisher, Brooks Wingo, Kevin McCully) #295850 SCI, CP	A stimulating solution: targeting spasticity through mechanical and electrical stimulation (Edelle Field-Fote, Jennifer Iddings, Stephen Estes) #292902 CC CROSSTAGGED
<b>FRI</b> CONCURRENT SESSIONS <b>BLOCK 5</b> 10:30 AM – 11:45 AM	<p><b>SPECIAL SYMPOSIUM</b>  <b>STEVEN KIRSHBLUM</b>, Senior Medical Officer and Director of SCI, Chair of PM&amp;R and Research Professor, Kessler Institute for Rehabilitation and Rutgers New Jersey Medical School</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p>Dr. Kirshblum will also be doing a lecture luncheon (day TBD)</p>		
CONCURRENT SESSIONS <b>BLOCK 6</b> 2:30 PM – 3:45 PM	Data Sharing in Rehabilitation research: Accessing National Spinal Cord Injury Database and SCIR rehab data (Yuying Chen, James Graham, Julie Gassaway, Shilpa Krishnan) #311509 SCI	Multiple Training Paradigms of Functional Electrical Stimulation after a Spinal Cord Injury. (Gail Forrest, Ashraf Gorgey, Therese Johnston) #297353 SCI, LL	
<b>SAT</b> CONCURRENT SESSIONS <b>BLOCK 7</b> 9:45 AM – 11:00 AM	<b>PAPER SESSIONS</b>		
CONCURRENT SESSIONS <b>BLOCK 8</b> 11:30 AM – 12:45 PM	Peer Mentorship • Integrating Research Paradigms Into Rehabilitation Culture (Julie Gassaway, Pete Anziano, Karen DeVault) #289374 SCI	Performance-Based Framework for Overground Locomotor Training in Spinal Cord Injury (Jared Gollie, Andrew Guccione, Peter Jo) #311619 SCI	
CONCURRENT SESSIONS <b>BLOCK 9</b> 1:00 PM – 2:15 PM	Psychological Issues Related to Adjustment Following Spinal Cord Injury (Casey Azuero, Zina Trost, Ceren Yara-Fisher) #311544 SCI, CP	Demographic, Cultural, Psychosocial and Health Factors Associated with Wheelchair Outcomes in Spinal Cord Injury (Denise Fyffe, Lynn Worobey, Larissa Myaskovsky) #312674 SCI	

## ACRM Spinal Cord Injury Interdisciplinary Special Interest Group (SCI-ISIG)

### CO-CHAIR:



**YUYING CHEN**, MD, PHD

Associate Professor & Director, University of Alabama at Birmingham

### Communications officer & Past ACRM President:



**SUE ANN SISTO**, PT, MA, PHD

Professor of PT & Research Director, School of Health Technology & Management, Stony Brook University



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**WED**  
CONCURRENT SESSIONS  
**BLOCK 1**  
1:30 PM – 2:45 PM

Using Technology to Empower Home Practice of Rehabilitation: Clinician and Client Perspectives (Emily Dubais, David Poskanzer, Mary Borelli, Swathi Kiran) #304544 ST, TEC, BI

Motor-Intentional Neglect and an Introduction to the Movement and Mobility Scale (Peii Chen, Kimberly Hreha, A Barrett, Irene Ward) #292996 ST, CP, MES

BCI based motor rehabilitation for upper and lower extremities after stroke with neurofeedback (Christoph Guger, Slav Hristov. Dimov)# 327985 ST, NP, TEC

**THU**  
CONCURRENT SESSIONS  
**BLOCK 2**  
10:30 AM – 11:45 AM

The Next Octave in Stroke Rehabilitation: A Collaborative Approach to Music Therapy and Occupational Therapy (Danielle Porter, Danielle Parmenter) #292645 ST, AN

**SPECIAL SYMPOSIUM**  
#302293 ST, CP  
"Stroke Rehabilitation at a Crossroads"  
**ROBERT TEASELL, MD, FRCP**



**ROBERT TEASELL, MD, FRCP**  
Professor and Research Director, Department of PM&R, Western University; Medical Director, Stroke Rehabilitation Program, Parkwood Institute, London, ON Canada

CONCURRENT SESSIONS  
**BLOCK 3**  
1:45 PM – 3:00 PM

Mild Cognitive Deficits in Inpatient Stroke Rehabilitation: Interdisciplinary Assessment Strategies (Joan Togli, Abhishek Jaywant, Andrea Mastrogiovanni, Amy Meyer) #294704 ST, CP

Ensuring Inpatient Rehabilitation Facility Relevance Through Efficiency and Effectiveness (Brian Theodore, Ann Perkins, Michelle Camicia) #300604 ST, BI

Innovative Functional Electrical Stimulation for Stroke Rehabilitation (Jayme Knutson, Michael Fu, Richard Wilson, Nathan Makowski) #301621 ST, TEC, LL

Integrating the Voice of Family Caregivers to Develop a Tool to Assess Stroke Caregiver Preparedness (Michelle Camicia, Barbara Lutz, Mary Ellen Young, Donna Williams) #300720 ST, CP

CONCURRENT SESSIONS  
**BLOCK 4**  
5:00 PM – 6:15 PM

**STROKE HOT TOPICS:**  
Stroke Rehabilitation  
#302294 ST  
**ROBERT TEASELL, MD, FRCP**

Introduction to an Interdisciplinary Approach to Aphasia Treatment (Christina del Toro, Michelle Armour, Ellayne Ganzfried, Michelle Lee) #291745 ST

The Impact of Post-Hospital Stroke Rehabilitation on Disability Reduction and Quality Outcomes (Gordon Horn, Frank Lewis, Keith Kincaid, Robert Russell) #300748 ST, CP

Neuroplasticity and neuro-modulation targeted to lower limb rehabilitation: animal, human, and clinical studies (Trisha Kesar, Mark Bowden, Aiko Thompson, Mark Lyle) #304098 ST, NP

*"Innovative Treatment Approaches For Aphasia"*

**FRI**  
CONCURRENT SESSIONS  
**BLOCK 5**  
10:30 AM – 11:45 PM

**SPECIAL SYMPOSIUM**  
STROKESTRA: Holistic Stroke Rehabilitation Through Creative Music-Making (Lisa Rodio, Carol Hargreaves, Clare Nicholson, Tim Steiner) #300065 AN, ST CROSSTAGGED

Why Do People Poststroke Walk Slowly? (David Brown, Elliot Roth, Christopher Hurt, Deanna Rumble, Sarah Graham, Avantika Naidu, Adam Wieckert) #294806 ST, CP

Essential Neurorehab Content/Dose for Significant Recovery of Arm/Hand Function in Moderate/Severe Stroke (Janis Daly, Jessica McCabe) #295177 ST, NP

**Stroke ISIG ACRM & National Stroke Association Excellence in Post-Acute Stroke Award: LEORA R CHERNEY, PhD, BC-ANCDs, CCC-SLP, Rehabilitation Institute of Chicago (RIC)**



**LEORA R CHERNEY, PH.D, BC-ANCDs, CCC-SLP** Professor of PM&R, Senior Research Scientist, Founder and Director of Center for Aphasia Research & Treatment, Rehabilitation Institute of Chicago (RIC)

CONCURRENT SESSIONS  
**BLOCK 6**  
2:30 PM – 3:45 PM



**SPECIAL SYMPOSIUM**  
#333769  
"Emerging Technologies for Stroke Rehabilitation: Toys or Tools?"  
**STEVEN L WOLF, PH.D, PT, FAPTA, FAHA**  
Professor, Emory University School of Medicine, Department of Rehabilitation Medicine, Division of Physical Therapy

The Next Octave in Stroke Rehabilitation: A Collaborative Approach to Music Therapy and Occupational Therapy (Danielle Porter, Danielle Parmenter) #292645 ST, AN CROSSTAGGED

**SAT**  
CONCURRENT SESSIONS  
**BLOCK 7**  
9:45 AM – 11:00 AM

**PAPER SESSIONS**



CONCURRENT SESSIONS  
**BLOCK 8**  
11:30 AM – 12:45 PM

Measurement and Characterization of Walking Ability of Individuals who are Unable to Walk (Andrew Packel) #294612 ST, CP

**STROKE ISIG: ACRM & NATIONAL STROKE ASSOCIATION YOUNG INVESTIGATOR**

CONCURRENT SESSIONS  
**BLOCK 9**  
1:00 PM – 2:15 PM

Diagnosing and Treating Deficits in Propulsion to Improve Walking After Stroke: Clinical & Technological Advances (Lou Awad, Mark Bowden, Michael Lewek, Jason Franz) #304475 ST, TEC

Performance Based Cognitive and Perceptual Assessment After Stroke (Glen Gillen) #328110 ST

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<b>WED</b> CONCURRENT SESSIONS <b>BLOCK 1</b> 1:30 PM – 2:45 PM	Cancer Care Competencies Across the Rehabilitation Disciplines (Sara Christensen Holz, Brent Braveman, Lisa VanHoose) #294072 CAN, CP		The Feasibility of Providing Occupational Therapy via Telehealth in a Breast Cancer Recovery Program (Jennifer Hayter) #317946 CAN, TEC
<b>THU</b> CONCURRENT SESSIONS <b>BLOCK 2</b> 10:30 AM – 11:45 AM	Update in Cancer Prehabilitation and Rehabilitation: New Research, Guidelines, and Practice Recommendations (Vishwa Raj, Julie Silver, Ashish Khanna) #294306 CAN	Treating Urinary Dysfunction in Oncology Patients: Challenges of Radiation, Chemotherapy and Major Pelvic Surgery (Amy Ng, O. Lenaine Westney, Shelby Ubrich, Sandra Beals) #300456 CAN	Pre-operative Evaluation and Education (PREE-hab) of Patients with Breast Cancer (Michael Stubblefield, Melissa Thess, Stacey Mayo) #299950 CAN, CP, PAIN
CONCURRENT SESSIONS <b>BLOCK 3</b> 1:45 PM – 3:00 PM	Inpatient Cancer Rehabilitation: Considerations for Delivery of Care (Terrence Pugh, Vishwa Raj, Jack Fu, Sarah Sangermano) #297284 CAN, CP	Best Practice: The Role Of Cancer Rehabilitation In The Treatment of Gynecological Cancers ( Nasim Chowdhury, Eloise Chapman-Davis) #296413 CAN, CP	From Silos to Synchrony: Promoting Interdisciplinary Collaboration in Integrative Cancer Rehabilitation (Diane Radford, Jennifer Hayter, Timothy Marshall, Kathryn Cantera, Lauren Thomas, Sophia Chan, Tiffany Cheung, Ariana Vora) #294427 CAN, CIRM, CP
CONCURRENT SESSIONS <b>BLOCK 4</b> 5:00 PM – 6:15 PM	<div style="display: flex; align-items: center; justify-content: space-between;">  <div style="text-align: center;"> <b>SPECIAL SYMPOSIUM &amp; AWARD LECTURE:</b>  <b>MICHAEL STUBBLEFIELD, MD</b>                      Director of Cancer Rehabilitation,                      Kessler Institute for Rehabilitation                      West Orange campus                 </div>  </div>		
<b>FRI</b> CONCURRENT SESSIONS <b>BLOCK 5</b> 10:30 AM – 11:45 PM	Lifestyle Factors That can be Protective for Cancer-Related Cognitive Impairment (Arash Asher, Kathleen Van Dyk, Robin Newman, Jessica Engle, Lynne Padgett) #297442 CAN, CP	Delivery of Cancer Rehabilitation Services to an Underserved Population (Yevgeniya Dvorkin Winingar, Barbra Tingley) #284717 CAN	
CONCURRENT SESSIONS <b>BLOCK 6</b> 2:30 PM – 3:45 PM	Cancer Rehabilitation Efforts to Develop Tools for Referral Screening and Patient Assessment (Jack Fu, Catherine Alfano, Timothy Marshall, Mackenzi Pergolotti, Alix Sleight, Samman Shahpar) #281722 CAN, CP	Current Cancer Rehabilitation Guidelines (Sara Holz, Lynne Padgett, Jennifer Hayter, Carrie Riddock) #292014 CAN, CP	
<b>SAT</b> CONCURRENT SESSIONS <b>BLOCK 7</b> 9:45 AM – 11:00 AM	<b>PAPER SESSIONS</b> 		
CONCURRENT SESSIONS <b>BLOCK 8</b> 11:30 AM – 12:45 PM	Improving the Performance Status of Stem Cell Transplant Patients Along the Continuum of Care (An Ngo-Huang, Brent Braveman) #314005 CAN	Prospective Surveillance Model (Shana Harrington, Nicole Stout, Mary Fisher) #295707 CAN	
CONCURRENT SESSIONS <b>BLOCK 9</b> 1:00 PM – 2:15 PM	Delivering on the Promise of Person-Centered Care: Putting People at the Heart of Healthcare (Rebecca Kirch, Terrence Pugh, Lynne Padgett) #300631 CAN	Oncology Rehabilitation in Leukemia, Lymphoma, & Myeloma: From Diagnosis Through Bone Marrow Transplant (Suzanne Taylor, William Carter) #313784 CAN, CP	

## ACRM Cancer Rehabilitation Networking Group

### CO-CHAIRS:



**JULIE SILVER, MD**  
 Associate Professor, Harvard Medical School, Department of Physical Medicine & Rehabilitation, Boston, MA



**VISH RAJ, MD**  
 Vice-Chair of Clinical Operation, Physical Medicine & Rehabilitation, Associate Medical Director of Oncology Rehabilitation, Carolinas Rehabilitation, Charlotte, NC

## PARTICIPATE JOIN THE ACRM Cancer Rehabilitation Networking Group

All nonmember attendees receive a complimentary 6-month introductory ACRM membership with Conference registration. Put your benefits to work right away by joining the Cancer Rehabilitation Networking Group (CRNG) and your choice of more than a dozen additional networking and special interest groups free of charge. Connect with the CRNG on Twitter ACRMCancerRehab. Meeting times to be announced.


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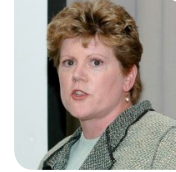
<b>WED</b> CONCURRENT SESSIONS <b>BLOCK 1</b> 1:30 PM – 2:45 PM	Functional Plasticity in Neurorehabilitation of Stroke Survivors: Findings and Clinical Implications (Steven Wolf, Lynne Gauthier, Michael Borich) #289922 NP, ST
<b>THU</b> CONCURRENT SESSIONS <b>BLOCK 2</b> 10:30 AM – 11:45 AM	Functional Plasticity in Neurorehabilitation of Spinal Cord Injury Survivors; Findings and Clinical Implications (Steven Wolf, Aiko Thompson, Randy Trumbower) #289911 NP, SCI
CONCURRENT SESSIONS <b>BLOCK 3</b> 1:45 PM – 3:00 PM	Intensity in Aphasia Rehabilitation: Contrasting Perspectives From Neuroscience and Cognitive Psychology (Anastasia Raymer, Amy Rodriguez, Leora Cherney) #299022 NP, ST
CONCURRENT SESSIONS <b>BLOCK 4</b> 5:00 PM – 6:15 PM	Translational Research on Early Brain Injury: Benefits and Limitations of Neuroplasticity (Jocelyne Bachevalier, Jessica Raper, Elisabeth Wilde, Harvey Levin) #302987 NP, BI
<b>FRI</b> CONCURRENT SESSIONS <b>BLOCK 5</b> 10:30 AM – 11:45 PM	<p style="text-align: center;"><b>SPECIAL SYMPOSIUM</b>                  #304380 NP, CC                  “Plasticity and Rehabilitation in Focal Hand Dystonia”  <b>MARK HALLET, MD,</b>                  Chief, Human Motor Control Section,                  NINDS, NIH, NINDS</p> 
CONCURRENT SESSIONS <b>BLOCK 6</b> 2:30 PM – 3:45 PM	Exploring mechanisms for alcohol abuse after TBI (Amy Herrold, John Corrigan, Alana Conti) #291889 NP, BI, CC
<b>SAT</b> CONCURRENT SESSIONS <b>BLOCK 7</b> 9:45 AM – 11:00 AM	<b>PAPER SESSIONS</b>
CONCURRENT SESSIONS <b>BLOCK 8</b> 11:30 AM – 12:45 PM	Neuromodulatory Effects of rTMS + Amantadine with Chronic VS/ MCS: An Interdisciplinary Approach (Theresa Pape, Dulal Bhaumik, Runa Bhaumik, Trudy Mallinson, Ann Guernon, Elyse Walsh, Sherri Livengood) #300994 NP, BI, MES
CONCURRENT SESSIONS <b>BLOCK 9</b> 1:00 PM – 2:15 PM	Progress in Brain-Computer Interface (BCI) Neuroprosthetics for Individuals with Motor Impairments (Marcia Bockbrader, Ian Burkhart, A. Bolu Ajiboye, Gaurav Sharma) #294487 NP, TEC, SCI

NEUROPLASTICITY NETWORKING GROUP



## ACRM Neuroplasticity Networking Group

### CO-CHAIRS:



**THERESA LOUISE-BENDER PAPE, DRPH, MA, CCC-SLP/L, FACRM**  
 Clinical Neuroscientist  
 Hines VA Hospital



**LYNNE GAUTHIER, PHD**  
 Director, Neurorecovery and Brain Imaging Lab  
 Ohio State University Wexner Medical Center

Stay tuned for info on the Neuroplasticity Lecture Luncheon



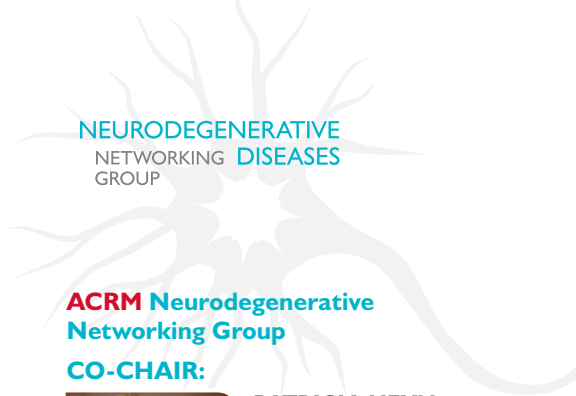
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<b>WED</b> CONCURRENT SESSIONS <b>BLOCK 1</b> 1:30 PM – 2:45 PM	Motor and Neurobehavioral Rehabilitation Approaches in Amyotrophic Lateral Sclerosis (Michele York, Mohammed Sanjak) #295848 ND
<b>THU</b> CONCURRENT SESSIONS <b>BLOCK 2</b> 10:30 AM – 11:45 AM	New Frontiers of Physical Rehabilitation for Multiple Sclerosis: A Synthetic View (Victor Mark, Cassandra Herman, Deborah Backus) #293866 ND, CP, NP
CONCURRENT SESSIONS <b>BLOCK 3</b> 1:45 PM – 3:00 PM	Non-Traditional Community-Based Group Exercise for People With Parkinson's Disease (Madeleine Hackney, Stephanie Combs-Miller) #291663 ND, CIRM, GER
CONCURRENT SESSIONS <b>BLOCK 4</b> 5:00 PM – 6:15 PM	"Women in Rehabilitation Science: Impact Lives, Foster Innovation, Cultivate Change" Featuring <b>KEYNOTE SPEAKER:</b> <b>PAMELA DUNCAN</b> (Mark Hirsch, Cassandra L. Herman, Sandra Kletzel, Patricia C. Heyn, Michele K. York) #305989 ND, CC
<b>FRI</b> CONCURRENT SESSIONS <b>BLOCK 5</b> 10:30 AM – 11:45 PM	Internally and Externally Guided Movement in Individuals With Neurodegenerative Disease (Madeleine Hackney, Keith McGregor) #299810 ND, NP, AN
CONCURRENT SESSIONS <b>BLOCK 6</b> 2:30 PM – 3:45 PM	The Exercise • Cognition Interaction in Individuals with Parkinson's Disease (Madeleine Hackney, Joe Nocera, Ergun Uc, Marcas Bamman) #293055 ND, GER, NP
<b>SAT</b> CONCURRENT SESSIONS <b>BLOCK 7</b> 9:45 AM – 11:00 AM	<b>PAPER SESSIONS</b>
CONCURRENT SESSIONS <b>BLOCK 8</b> 11:30 AM – 12:45 PM	Neurodegenerative Disease Networking Symposium: An Interactive Research and Mentorship Round Tables Discussion (Patricia Heyn, Deborah Backus, Mark Hirsch, Sarah Gurney, Victor Mark, Erwin van Wegen, Cassandra Herman, Shilpa Krishnan, Michele York) #296818 ND, CC, CIRM
CONCURRENT SESSIONS <b>BLOCK 9</b> 1:00 PM – 2:15 PM	Brain Power: How Exercise Improves Cognitive Performance (Patricia Heyn, Joe Nocera, Shilpa Krishnan) #328544 ND, GER, NP



NEURODEGENERATIVE NETWORKING DISEASES GROUP

**ACRM Neurodegenerative Networking Group**

**CO-CHAIR:**



**PATRICIA HEYN, PHD, FACRM**  
 University of Colorado Anschutz Medical Campus

**PAST CHAIR & ACRM President-elect:**



**DEBORAH BACKUS, PT, PHD, FACRM**  
 Shepherd Center


Stay tuned for info on the Neurodegenerative Lecture Luncheon featuring Erwin E.H. van Wegen, PhD



  
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<b>WED</b> CONCURRENT SESSIONS <b>BLOCK 1</b> 1:30 PM – 2:45 PM	Cochrane Rehabilitation: Building a bridge between research evidence and clinical practice (William Levack, Keith Cicerone) #304312 INT, BI, CP
<b>THU</b> CONCURRENT SESSIONS <b>BLOCK 2</b> 10:30 AM – 11:45 AM	Cardiovascular Risk, Mediterranean Diet and Cognitive Decline (Fofi Constantinidou, Elena Philippou, Michalis Michaelides) #328575 INT, GER
CONCURRENT SESSIONS <b>BLOCK 3</b> 1:45 PM – 3:00 PM	WORLD-CLASS CONTENT COMING SOON
CONCURRENT SESSIONS <b>BLOCK 4</b> 5:00 PM – 6:15 PM	<p style="text-align: center;"><b>BRUCKER INTERNATIONAL SYMPOSIUM</b></p> <p>“The Refugee Crisis in Greece and The Response of Mental Health Professional Community” <b>Maria Vlassopoulos</b>, Assistant Professor of Language and Communication Pathology, 1st Psychiatric Department University of Athens School of Medicine, Athens, Greece</p> <p>Since 2008, the ACRM International Networking Group has proudly sponsored a Brucker International Lecture, in memory of our colleague and long-standing member of ACRM, Bernard (Bernie) Brucker, PhD, ABPP. An ACRM Conference favorite, this event offers the opportunity to network and exchange ideas while hearing an internationally renowned speaker.</p>
<b>FRI</b> CONCURRENT SESSIONS <b>BLOCK 5</b> 10:30 AM – 11:45 PM	Community Integration and Family Adjustment after ABI: Practical Solutions in a Rapidly Changing World (Janet Niemeier, Kathy Kniepmann, Arshia Ahmad, Lucia Smith-Wexler, Marlene Vega) #297399 INT, BI, ST
CONCURRENT SESSIONS <b>BLOCK 6</b> 2:30 PM – 3:45 PM	Metabolic syndrome and dietary patterns: A tale of two continents (Chetan Phadke, Hubert Vuagnat) #290842 INT, ST, CP
<b>SAT</b> CONCURRENT SESSIONS <b>BLOCK 7</b> 9:45 AM – 11:00 AM	<p style="text-align: center;"><b>PAPER SESSIONS</b> </p>
CONCURRENT SESSIONS <b>BLOCK 8</b> 11:30 AM – 12:45 PM	Community Reintegration in Low-Resource Settings: Unmet Needs and Family Participation in Rehabilitation Process (Amit Kumar, Jonathan Armstrong, Carlos Marquez de la Plata, Kristine Kingsley) #301820 INT, BI, ST
CONCURRENT SESSIONS <b>BLOCK 9</b> 1:00 PM – 2:15 PM	The Netherlands Presents — Lessons From The #1 Healthcare System In Europe (Remco Hoogendijk, Hans Rietman, Robert O'Dowd, Pauline Aarts, Ilse van Nes, Rieny Reinen, Frederik Tonis, Mark van Houdenhoven) #300412 INT, SCI, PED

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**ACRM International Networking Group CHAIR & ACRM BOARD MEMBER:**



**FOFI CONSTANTINIDOU, PHD, CCC-SLP, FACRM, FASHA,**  
 Professor of Language Disorders & Clinical Neuropsychology, Center for Applied Neuroscience, University of Cyprus

“ACRM has made significant strides in the past decade to expand its geographical boundaries outside of North America. Our individual and institutional members from around the world have increased in numbers. This is very exciting because we all need to join forces and collaborate in order to make sure that we influence the lives of our patients in the most efficient, effective and meaningful manner.”

— FOFI



The ACRM International Networking Group (ING) is a community of rehabilitation professionals from around the world whose mission is to communicate and collaborate across international boundaries to advance rehabilitation research and evidence-based practice.



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— Chris MacDonell, FACRM, Managing Director of Medical Rehabilitation, CARF International

<p><b>WED</b> CONCURRENT SESSIONS <b>BLOCK 1</b> 1:30 PM – 2:45 PM</p>	<p>WORLD-CLASS CONTENT COMING SOON</p>	<p>WORLD-CLASS CONTENT COMING SOON</p> <p>HEALTH POLICY </p>
<p><b>THU</b> CONCURRENT SESSIONS <b>BLOCK 2</b> 10:30 AM – 11:45 AM</p>	<p>A Value Added Model for Treatment of Chronic Pain (Virgil Wittmer, Mark Pew) #296096 PAIN</p>	<p>Quality Measurement in Inpatient Rehabilitation (Anne Deutsch, Roberta Constantine, Sara Zuckerbraun, Allen Heinemann) #294024 POL, MES</p>
<p>CONCURRENT SESSIONS <b>BLOCK 3</b> 1:45 PM – 3:00 PM</p>	<p>Applying Psychologically Informed Principles in Rehabilitation for Patients with Chronic Pain (Anita Davis) #294316 PAIN, CP</p>	<p>Using Health Services Research to Define Value of Rehabilitation: Case examples and future directions (Linda Resnik, Jennifer Stevens-Lapsley, Janet Freburger, Amit Kumar) #289863 POL</p>
<p>CONCURRENT SESSIONS <b>BLOCK 4</b> 5:00 PM – 6:15 PM</p>	<p>New Guidelines by the ACP for Non Invasive Pain Therapies Special Focus on Wearable Technologies (Polina Feldman, Virgil Wittmer) #303023 PAIN, TEC</p>	<p>(Re)Design Care and Outcomes for Success in a Value-Based Purchasing Environment (Lynn Freeman, Donna Diedrich) #297274 POL, GER,</p>
<p><b>FRI</b> CONCURRENT SESSIONS <b>BLOCK 5</b> 10:30 AM – 11:45 PM</p>	<p>Enhancing Patient Engagement in Chronic Pain Self-Management Practices to Optimize Pain Treatment Outcomes (Stacey Sandusky, Nicolle Angeli, Kerry Allen) #293323 PAIN, CP</p>	<p>Updating Referral Sources on Medicare Wheelchair Requirements (Cathy Carver, Laura Cohen) #313417 POL, CP</p>
<p>CONCURRENT SESSIONS <b>BLOCK 6</b> 2:30 PM – 3:45 PM</p>	<p>Chronic Pain Treatment: New and Existing Models of Successful and Cost Efficient Rehabilitation (Virgil Wittmer, Gregory Smith) #292244 PAIN, CP</p>	<p>WORLD-CLASS CONTENT COMING SOON</p>
<p><b>SAT</b> CONCURRENT SESSIONS <b>BLOCK 7</b> 9:45 AM – 11:00 AM</p>	<p>PAPER SESSIONS </p>	<p>PAPER SESSIONS </p>
<p>CONCURRENT SESSIONS <b>BLOCK 8</b> 11:30 AM – 12:45 PM</p>	<p>Placebo effects in rehabilitation medicine: mechanisms, acceptability, and clinical applications (Nkaku R. Kisaalita, LaDonna Saxon) #331549 PAIN, CIRM</p>	<p>Clinical Integration and Innovation for Persons With Catastrophic Injury/Chronic Disease: Where Should we Head? (Philip Morse, Pamela Roberts, Deborah Anselm, Christine Howard-Brown, Sarah Morrison, Christine MacDonell, Michael Jones, Amy Morse, Neonila Panko) #295289 CC, INT, POL CROSSTAGGED</p>
<p>CONCURRENT SESSIONS <b>BLOCK 9</b> 1:00 PM – 2:15 PM</p>	<p>Integrating Therapeutic Exercises via Dance/Movement Therapy, Mindfulness and Guided Imagery When Treating Pain. (Rivi Har-El) #300998 CC CROSSTAGGED</p>	<p>WHO's Minimum Technical Standards for Rehabilitation in Sudden-Onset Disasters (Michel Landry, Jody Mills, Roy Corsico, Ian Norton, Jim Gosney) #312525 POL, INT</p>

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## PEDIATRIC REHAB PED

## GERIATRIC REHAB GER

<b>WED</b> CONCURRENT SESSIONS <b>BLOCK 1</b> 1:30 PM – 2:45 PM	Perinatal arterial ischemic stroke/Hypoxic Injury clinical overview/ etiology, management and outcome (Ryan Felling, Christine Koterba, Amy Houtrow, Shelley Dean, Roberta O'Shea) #283576 PED, ST, NP	Multidisciplinary Approaches to Exercise Therapy in the Prevention of Late-Life Disability (Monica Serra, Joe Nocera, Thomas Buford, Keith McGregor) #294444 GER
<b>THU</b> CONCURRENT SESSIONS <b>BLOCK 2</b> 10:30 AM – 11:45 AM	Acute Flaccid Myelitis (AFM) in Pediatric Population; Case Reports and Rehabilitation Considerations (Cristina Sadowsky, Julie Cagney, Kaitlin MacDonald) #284186 PED, SCI	Re-conceptualizing Outpatient Geriatric Rehabilitation: Delivering Preventative Care Through Connected Health (Jonathan Bean, Meng Ni, Terri Ellis, Jennifer Perloff) #293393 GER, CP
CONCURRENT SESSIONS <b>BLOCK 3</b> 1:45 PM – 3:00 PM	<p style="text-align: center;"><b>PEDIATRIC REHABILITATION AWARD LECTURE</b>  <b>STACEY SUSKAUER, MD</b></p>	Supports to Enable the Participation of Individuals Aging with Disability: Evidence From Rehabilitation Science (Emily Nalder, Denise Dubois, Carrie-Anne Marshall) #300733 GER, BI, TEC
CONCURRENT SESSIONS <b>BLOCK 4</b> 5:00 PM – 6:15 PM	Hot topics in rehabilitation of young children age 0-5: Clinical & Research Blitz (Angela Ciccio, Leann Kerr, Jennifer Lundine, Roberta O'Shea, Juliet Haarbauer-Krupa, Amber Sheehan, Jorge R. Vasquez Rios, Cristina L. Sadowsky, Glendaliz Bosques, Mark Pedrotty, Christian Niedzwecki, Jessica Kramer, Shelley Anne. Dean) #304635 PED, CC, CP	Reablement and Restorative Care for Older People with Functional Decline - New Paradigm or Old? (Andrew Cole, Michelle Anthony, Natalie Robson) #309871 GER, INT, POL
<b>FRI</b> CONCURRENT SESSIONS <b>BLOCK 5</b> 10:30 AM – 11:45 PM	Integrating Top Pediatric Rehabilitation Research into Practice: a Review of Recent Clinically Influential Papers (Matthew McLaughlin, Molly Fuentes, Robyn Howarth) #281463 PED, CP	Management and Outcomes in Pediatric Severe Traumatic Brain Injury (TBI): Current Research and Practice (Andrew Reisner, Chia-Yi Kuan, Joshua Vova, Lindsay Labrot, Laura Blackwell, Robyn Howarth) #294076 PED, BI
CONCURRENT SESSIONS <b>BLOCK 6</b> 2:30 PM – 3:45 PM	CDC: The Report to Congress on the Management of Traumatic Brain Injury in Children (Juliet Haarbauer-Krupa, Ann Glang, Brad Kurowski) #296634 BI, PED CROSSTAGGED	Spina Bifida Across the Life Span: An Evolving Multidisciplinary Clinical Model (Drew Davis, Betsy Hopson, Brandon Rocque) #299541 PED, CP, CC
<b>SAT</b> CONCURRENT SESSIONS <b>BLOCK 7</b> 9:45 AM – 11:00 AM	<b>PAPER SESSIONS</b>	
CONCURRENT SESSIONS <b>BLOCK 8</b> 11:30 AM – 12:45 PM	Medical Management and Outcomes of Pediatric Patients Diagnosed With Anti-NMDA Receptor Encephalitis (Robyn Howarth, Laura Blackwell, Joshua Vova, Udayan Kulkarni, MD, Fallon Crews, C-PNP, Anna-Lisa Tarabicos, C-FNP) #296879 PED, BI	WORLD-CLASS CONTENT COMING SOON
CONCURRENT SESSIONS <b>BLOCK 9</b> 1:00 PM – 2:15 PM	A Multidisciplinary Approach to Feeding and Swallowing Management for Children Post Traumatic Brain Injury (Amanda Chestnut, Caroline Freer) #304715 PED, CP	Rehabilitative Care in Aging Adults with Blood Cancer - A Multidisciplinary Model (Geetika Bhatt, Hilary Paige Erdeljac, ReNea Owens, Anna Maria Bittoni, Amy Custer, Kathryn Halliday, Shelley Foster, Desirée Jones, Ashley Rosko) #296408 CP, CAN, GER CROSSTAGGED



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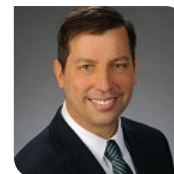
<b>WED</b> CONCURRENT SESSIONS <b>BLOCK 1</b> 1:30 PM – 2:45 PM	<b>Rehab Tech Innovation Competition</b> #334306	
<b>THU</b> CONCURRENT SESSIONS <b>BLOCK 2</b> 10:30 AM – 11:45 AM	Introduction to 3D Printing in Rehabilitation (Jaclyn Schwartz) #304550 TEC, CC, CP	Leveraging Implementation Science to Promote Technology Use in Health Care and Rehabilitation Service Delivery (Jolie Haun, Gail Powell-Cope) #297203 TEC, CP
CONCURRENT SESSIONS <b>BLOCK 3</b> 1:45 PM – 3:00 PM	<b>SPECIAL SPEAKER</b> “Disruptive Digital Healthcare Innovations Impacting Rehabilitation Medicine” #319904 <b>DAVID RHEW, MD</b> , Chief Medical Officer (CMO) and Head of Healthcare and Fitness for Samsung Electronics of America	
CONCURRENT SESSIONS <b>BLOCK 4</b> 5:00 PM – 6:15 PM	Virtual Reality Innovations: Technology Enhanced Therapy for mTBI and Common Comorbid Conditions (Russell Gore, Loren Post, Ted Jones, Tracey Wallace) #293379 TEC, BI, MIL	Connected Health. User-Designed Portal Assists With Self-Management of SCI Conditions (Julie Gassaway, Andrea Elmquist, Christine Willis) # 282048 TEC, SCI
<b>FRI</b> CONCURRENT SESSIONS <b>BLOCK 5</b> 10:30 AM – 11:45 AM	Rehab Technology is Here to Stay: Making it Work in the Clinic (Deborah Backus, Kathryn Farris, Casey Kandilakis, Elizabeth Sasso) #302240 TEC, CP	Mobile Technology for Post-Stroke Recurrence Prevention and Recovery (mStroke) (Nancy Fell, Mina Sartipi, Hanna True, Brandon Allen, Brian Williams, Austin Harris, Jin Cho, Zhen Hu, Rebekah Thompson) #294719 TEC, ST, MES
CONCURRENT SESSIONS <b>BLOCK 6</b> 2:30 PM – 3:45 PM	Connected Health: Integrating Mobile App Software and Wearable Monitors to Enhance Practice (Matthew Bartels, David Prince, Mony Weschsler) #296889 TEC, MES	Virtual Reality Interventions for Upper Extremity Rehabilitation: A Meta-Analysis (Lynne Gauthier, Rachel Proffitt) #300207 TEC, ST
TECHNOLOGY  GROUP		
<b>SAT</b> CONCURRENT SESSIONS <b>BLOCK 7</b> 9:45 AM – 11:00 AM	<b>PAPER SESSIONS</b>	
CONCURRENT SESSIONS <b>BLOCK 8</b> 11:30 AM – 12:45 PM	The use of Advanced Technology and Robotics in Pediatric Rehabilitation (Erin Eggebrecht, Joshua Vova, Jyotika Mistry) #293139 TEC, PED	Telerehabilitation In Taiwan-Solution For Medical Resource Shortage In Aging Society (Shih-Ching Chen, Chih-Jui Chen) #299230 TEC, INT
CONCURRENT SESSIONS <b>BLOCK 9</b> 1:00 PM – 2:15 PM	Emerging Technologies for Emotion Regulation after TBI (Tracey Wallace, John Morris, Leighanne Davis) #288421 TEC, BI, MIL	Rehabilitation Technology Advances: Where do Exoskeletons Fit Within a Continuum of Walking Recovery Tools? #297375 (Amber Walter) + Exoskeletons and Their Role in Enhancing Both Patient Experience and Functional Outcomes #287774 (Diane Patzer)

**ACRM Technology Networking Group**

**CO-CHAIRS:**



**MEGAN MITCHELL, PHD**  
 Biomedical Engineer  
 Sabbatical, Kansas City, KS



**JOHN MORRIS, PHD**  
 Clinical Research Scientist  
 Shepherd Center, Atlanta, GA



**DAVID RHEW, MD**  
 Chief Medical Officer (CMO) and Head of Healthcare and Fitness for Samsung Electronics of America

Dr. Rhow has served as CMO and Vice-President for Global Healthcare at Samsung SDS; Senior Vice-President and CMO at Zynx Health Incorporated; clinician/researcher in the Division of Infectious Diseases at the VA Greater Los Angeles Healthcare System; and Associate Clinical Professor of Medicine at UCLA. Dr. Rhow has served on the National Quality Forum's (NQF) Steering Committee for Pulmonary and Critical Care quality indicators and is currently on the NQF Consensus Standards and Approval Committee. He co-holds six U.S. technology patents that enable the authoring, mapping, and integration of clinical decision support into the electronic health record.

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## LIMB RESTORATION LL

## MEASUREMENT MES

<p><b>WED</b> CONCURRENT SESSIONS <b>BLOCK 1</b> 1:30 PM – 2:45 PM</p>	<p>Rehabilitation After Upper Limb Amputation: Advantages and Pitfalls of Technology in Functional Rehabilitation (Lewis Wheaton, Raoul Bongers) #292880 LL, TEC, NP</p>		<p>Evidence for the use of Brain Gaming in Older Adults with Cognitive Impairment (Sandra Kletzel, Pallavi Sood, Xiaolei Hu, Ahmed Negm, Shilpa Krishnan, Patricia Heyn) #294645 MES, ND, GER</p>		
<p><b>THU</b> CONCURRENT SESSIONS <b>BLOCK 2</b> 10:30 AM – 11:45 AM</p>	<p>Distinguishing Prosthetic Performance and Enablement in Clinical Care and Research: Challenges and Directions (Gerasimos Bastas, Kenton Kaufman, Robert Gailey, Stephen Wegener, Gerald Stark, John Rheinstein, George Gondo) PART I #289785 LL, MES, CP</p>		<p>Quality Measurement in Inpatient Rehabilitation (Anne Deutsch, Roberta Constantine, Sara Zuckerbraun, Allen Heinemann) #294024 POL, MES CROSSTAGGED</p>		
<p>CONCURRENT SESSIONS <b>BLOCK 3</b> 1:45 PM – 3:00 PM</p>	<p><b>SPECIAL SPEAKER</b> Disruptive Digital Healthcare Innovations Impacting Rehabilitation Medicine" by David Rhew #319904</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> </div>		<p>Health Services Research Efforts within the ACRM: Parts I, II, &amp; III (James Graham, Addie Middleton, Risa Nakase-Richardson, Trudy Mallinson, Jason Beneciuk, Pamela Roberts, Natalie Leland, Amol Karmarkar, Amit Kumar, Timothy Reistetter, Tracy Mroz, Ickpyo Hong, Jill Massengale, Clara Dismuke, Brian Downer) #297366 MES, POL</p>		
<p>CONCURRENT SESSIONS <b>BLOCK 4</b> 5:00 PM – 6:15 PM</p>	<p>Perspectives on current Innovations and challenges in upper extremity prosthetics (Kristin Zhao, Karen Andrews, Diane Atkins, Sasha Blue Godfrey, Jack Uellendahl) #292707 LL</p>		<p>Promoting Adoption of Standardized Outcome Measures Using the Rehabilitation Measures Database (Linda Ehrlich-Jones, Kristian Nitsch, Allen Heinemann, Trudy Mallinson) #290666 MES</p>		
<p><b>FRI</b> CONCURRENT SESSIONS <b>BLOCK 5</b> 10:30 AM – 11:45 PM</p>	<p>Medical Considerations for Prosthetic Candidacy, Enduring Functional Enablement and Coordination of Care (Gerasimos Bastas) #296566 LL, CP</p>	<p>Translating the VA/DoD Clinical Practice Guidelines to a Civilian Population: Toward an Amputation Model System (George Gondo, Danielle Melton, Kristin Reeves, Joseph Webster, Jason Highsmith) #297045 LL, CP, MIL</p>	<p><b>SPECIAL SYMPOSIUM</b> Defining rehabilitation treatments: Implications for clinical education, supervision, and treatment planning (John Whyte, Tessa Hart, Marcel Dijkers) #294063 CP, MES, CC CROSSTAGGED</p>		
<p>CONCURRENT SESSIONS <b>BLOCK 6</b> 2:30 PM – 3:45 PM</p>	<p>Standardized Outcome Measures in Lower Limb Prosthetics (Shane Wurdeman, Phillip Stevens, James Campbell) #296169 LL</p>	<p>Development of an Interdisciplinary Multi-Center Outcomes Database in Limb Loss Rehabilitation, A 5 Year Review (T Bushnik, M Juszcak, J Maikos, Leif Nelson, J Cohen, J Heckman) #296999 LL, MES, CP</p>	<p>Evidence-based Pharmacological Interventions After Traumatic Brain Injury (Sonya Kim, Lilian Hoffecker, Lauren Terhorst, Xiaolei Hu, Marianne Montera, Shilpa Krishnan, Trudy Mallinson, Patricia Heyn) #289738 MES, BI, MIL</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> </div>		
<p><b>SAT</b> CONCURRENT SESSIONS <b>BLOCK 7</b> 9:45 AM – 11:00 AM</p>	<p><b>PAPER SESSIONS</b> </p>		<p><b>PAPER SESSIONS</b> </p>		
<p>CONCURRENT SESSIONS <b>BLOCK 8</b> 11:30 AM – 12:45 PM</p>	<p>Comprehensive Care for Osteomyoplastic Lower Limb Loss: Pre-Amputation through Community Participation (Carol Dionne, Jonathan Day, William Ertl) #283242 LL, CP</p> <p style="text-align: center;"><b>REGISTER: ACRM.org</b> or  +1.703.435.5335</p>		<table border="1"> <tr> <td data-bbox="857 1465 1162 1738"> <p>Recent Advances in Outcomes Measurement after Amputation and Major Extremity Trauma (David Tulsy, Linda Resnik, Renan Castillo, Jerry Slotkin, Callie Tyner, Stephen Wegener) #288471 MES</p> </td> <td data-bbox="1162 1465 1521 1738"> <p>Neuromodulatory Effects of rTMS + Amantadine with Chronic VS/ MCS: An Interdisciplinary Approach (Theresa Pape, Dulal Bhaumik, Runa Bhaumik, Trudy Mallinson, Ann Guernon, Elyse Walsh, Sherri Livengood) #300994 NP, BI, MES CROSSTAGGED</p> </td> </tr> </table>	<p>Recent Advances in Outcomes Measurement after Amputation and Major Extremity Trauma (David Tulsy, Linda Resnik, Renan Castillo, Jerry Slotkin, Callie Tyner, Stephen Wegener) #288471 MES</p>	<p>Neuromodulatory Effects of rTMS + Amantadine with Chronic VS/ MCS: An Interdisciplinary Approach (Theresa Pape, Dulal Bhaumik, Runa Bhaumik, Trudy Mallinson, Ann Guernon, Elyse Walsh, Sherri Livengood) #300994 NP, BI, MES CROSSTAGGED</p>
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<p>CONCURRENT SESSIONS <b>BLOCK 9</b> 1:00 PM – 2:15 PM</p>	<p>Osseointegration for Amputees: The Past, Present and the Future (Munjed Al Muderis, Kevin Tetsworth, William Lu, Solon Rosenblatt) #297411 LL</p> <p style="text-align: center;"><b>SAVE BIG!</b> BEST RATES END 30 JUNE</p>		<table border="1"> <tr> <td data-bbox="857 1738 1162 1969"> <p>Outcomes and Measurement in Rehabilitation Research and Practice - The State of Science (Deepan C Kamaraj, Jason Raad, Trudy Mallinson, Deborah Backus) #300658 MES, CP</p> </td> <td data-bbox="1162 1738 1521 1969"> <p>Treatment Outcomes for Individuals With Acquired Brain Injury and the Significance of Social Participation (Sonya Kim, Marie Cavallo, Yuka Matsuzawa, Kristine Kingsley) #304065 MES, BI</p> </td> </tr> </table>	<p>Outcomes and Measurement in Rehabilitation Research and Practice - The State of Science (Deepan C Kamaraj, Jason Raad, Trudy Mallinson, Deborah Backus) #300658 MES, CP</p>	<p>Treatment Outcomes for Individuals With Acquired Brain Injury and the Significance of Social Participation (Sonya Kim, Marie Cavallo, Yuka Matsuzawa, Kristine Kingsley) #304065 MES, BI</p>
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## ARTS & NEUROSCIENCE AN

## COMPLEMENTARY INTEGRATIVE CIRM

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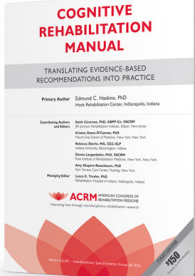
<p><b>WED</b> CONCURRENT SESSIONS <b>BLOCK 1</b> 1:30 PM – 2:45 PM</p>	<p>Rehabilitation with Music: What is Known and How We Collaborate As NMTs (Erin Wegener, Alika Seu, Kathleen Howland) #294343</p>		<p>Acupuncture and Integrative Medicine Research and Implementation in Different Rehabilitation Settings (Barbara Siminovich-Blok, Carie Sumida, Herb Karpatkin, Alfonso Tramontana, Sonya Kim) #296236 CIRM, PED</p>	
<p><b>THU</b> CONCURRENT SESSIONS <b>BLOCK 2</b> 10:30 AM – 11:45 AM</p>	<p>Arts and Neuroscience: Review of evidence for dance-based interventions in neurorehabilitation (Lise Worthen-Chaudhari, Madeleine Hackney) #297003</p>		<p>Integrative Medicine and Rehabilitation: A Natural Partnership (Eric (Rick) Leskowitz, Sonya Kim, Ariana Vora, Bridget Sheng-Fong Chin, J. Quezada-Morales, Patricia Heyn) #294142 CIRM, CP, PAIN</p>	<p>Martial arts as sport and therapy (David Burke) # 295564 CC, CROSSTAGGED</p>
<p>CONCURRENT SESSIONS <b>BLOCK 3</b> 1:45 PM – 3:00 PM</p>	<p><b>GOT RHYTHM?</b> The Music and Motor Connection in Neurorehabilitation (Dwyer Conklyn, Francois Bethoux, Darlene Stough, Lisa Gallagher, Elizabeth Stegemoller) #294023</p>		<p><b>SPECIAL SYMPOSIUM</b> Integrative Medicine in the Rehab Setting: One Hospital's Experience (A Case Study) (Eric Leskowitz) #316790 CIRM, CP</p>	
<p>CONCURRENT SESSIONS <b>BLOCK 4</b> 5:00 PM – 6:15 PM</p>	<p>Cognition And The Role of Music in Clinical Neurorehabilitation (Kathleen Howland) #299326 AN, BI, PED</p> <div data-bbox="365 745 763 819" style="text-align: center;">  <p>ARTS &amp; NEUROSCIENCE GROUP</p> </div>		<p>Yoga: A Practice with Special Relevance for Neurological Rehabilitation (Anneke Bender, Marlysa Sullivan, Kelli Bethel, Lauren Tudor, Julie Huerbin) #310644 CIRM, CP</p>	<p>Application of Complementary Medicine Approaches in Inpatient Rehabilitation: Findings From the SCI Rehab Project (Sally Taylor, Elaine Ooi Yan Cheung) #304175 CIRM, SCI</p>
<p><b>FRI</b> CONCURRENT SESSIONS <b>BLOCK 5</b> 10:30 AM – 11:45 PM</p>	<p><b>SPECIAL SYMPOSIUM</b> STROKESTRA: Holistic Stroke Rehabilitation Through Creative Music-Making (Lisa Rodio, Carol Hargreaves, Clare Nicholson, Tim Steiner) #300065 AN, ST</p>		<p>The Effects and Effectiveness of Structured Physical Activity at Varying Life Stages (Sonya Kim, Susan Ronan, Janet Dolot, Allan Tyson, Bonnie Marks, Richard Traum, Shilpa Krishnan, Patricia Heyn) #294151 CIRM, ND, BI</p>	
<p>CONCURRENT SESSIONS <b>BLOCK 6</b> 2:30 PM – 3:45 PM</p>	<p>Speaking of the Arts...The Interplay of Music and Speech in the Neurorehabilitation Process (Kathleen Howland, Ellayne Ganzfried, Dwyer Conklyn) #300354</p>	<p>The Next Octave in Stroke Rehabilitation: A Collaborative Approach to Music Therapy and Occupational Therapy (Danielle Porter, Danielle Parmenter) CROSS-TAGGED WITH ST #292645 ST, AN</p>	<p>Community Approach to Interprofessional Education Transitioning to Interprofessional Practice (Beth Bright, Dawn LaBarbera, Kimberly Beran-Shepler, Ahmed Abdelmageed, Tricia Widenhoefer) #296302 CIRM, CP</p> <div data-bbox="974 1144 1437 1228" style="text-align: center;">  <p>COMPLEMENTARY INTEGRATIVE REHABILITATION MEDICINE GROUP</p> </div>	
<p><b>SAT</b> CONCURRENT SESSIONS <b>BLOCK 7</b> 9:45 AM – 11:00 AM</p>	<p><b>PAPER SESSIONS</b> </p>		<p><b>PAPER SESSIONS</b> </p>	
<p>CONCURRENT SESSIONS <b>BLOCK 8</b> 11:30 AM – 12:45 PM</p>	<p>Sensory stimulation and music therapy programs for treating disorders of consciousness (Wendy Magee, Caroline Schnakers) #296506 AN</p>		<p>Innovative Solutions for Pain Rehabilitation (Nicole Sasson, Kira Charles, Lisa Ludovici, Jason Siefferman, Sonya Kim) #290017 CIRM, PAIN</p>	
<p>CONCURRENT SESSIONS <b>BLOCK 9</b> 1:00 PM – 2:15 PM</p>	<p>The IMPROVment Method: Brain Body Health For Older Adults (Christina Soriano, Christina Hugenschmidt) #299144 AN, GER</p>		<p>Cognitively-Based Compassion Training (CBCT®) (Timothy Harrison) #331237 CIRM</p>	



## CLINICAL PRACTICE CP

## CROSS CUTTING CC

<p><b>WED</b> CONCURRENT SESSIONS <b>BLOCK 1</b> 1:30 PM – 2:45 PM</p>	<p>Sex and Neurorehabilitation, Time for More Evidence and Practical Action for our Patients (Hubert Vuagnat, Xiaolei Hu, Nathan Zasler) #297006 CP, INT</p>	<p>Conducting Patient Engaged Research: Lessons Learned in the VA (Maheen Adamson, Karen Besterman-Dahan, Kiersten Downs, Bridget Cotner) #296075 CP, MIL, BI</p>	<p>OP-ENS - A Peer Support Intervention to Promote Healthcare Access for People With Disabilities (Susan Magasi, Robert Green, Laura VanPuybrouck, Christina Papadimitriou) #300494 CP, CC</p>	<p>Managing Edema in Persons With Neurological Impairments Utilizing Techniques to Treat Lymphedema (Rebecca Hammad, Anna Elmers) #302937 CP</p>	<p>Striving to Work and Overcoming Employment Barriers Among Persons with Disabilities (John O'Neill, Denise Fyffe, Vidya Sundar, Anthony Lequerica) #300578 CC</p>
<p><b>THU</b> CONCURRENT SESSIONS <b>BLOCK 2</b> 10:30 AM – 11:45 AM</p>	<p><b>SPECIAL SYMPOSIUM</b> Hyperbaric Oxygen and Traumatic Brain Injury: Caveats, Controversies and Challenges (Min Jeong Graf, Nathan Zasler, Sarah Rockswold, David Cifu) #297337 CP, BI</p>			<p>Martial arts as sport and therapy (David Burke) #295564 CC, CIRM</p>	<p>Educating Clinicians and Patients on Evidence-Based Content through Web Training Programs • Does It Work? (Lynn Worobey, Trevor Dyson-Hudson) #304321 CC, CP, TEC</p>
<p>CONCURRENT SESSIONS <b>BLOCK 3</b> 1:45 PM – 3:00 PM</p>	<p>Increasing Healthspan in Patients with Complex Conditions With Self-Health Empowerment and Wellness Approaches (Patricia Heyn, James Carollo, Mark Hirsch) #292581 CP, ND, CIRM</p>	<p>Innovation at the Shirley Ryan AbilityLab (The Future of RIC) • an Implementation Study (Miriam Rafferty, Richard Lieber, Allen Heinemann, Piper Hansen, C. Hendricks Brown, James Sliwa) #304728 CP</p>	<p>Fatigue and mobility in persons with neurologic disability: A Framework for rehabilitation specialists. (Herb Karpatkin, Evan Cohen, Stefanie DiCarrado) #301745 CP, BI, ND</p>	<p>Limitations and Consequences to Cultural Competence in Rehabilitation (Felicia Connor, Nicole Murray, Valerie Ellois) #296859 CP</p>	<p>Transgender Toolbox: Interdisciplinary Tools to Provide Optimal Care (Cory Grandinetti) #300767 CC, INT</p> <p>Benefits of a Care Coordination Solution for People with Neurological Conditions Using Dedicated Patient Advocates (Jessica Harthcock, Carrie Redmon, Kelly Toline) #286947 CC, BI, ST, ND, PED</p>
<p>CONCURRENT SESSIONS <b>BLOCK 4</b> 5:00 PM – 6:15 PM</p>	<p>Cross-Linguistic Transfer of Therapy Effect (CLTE) in Bilingual Individuals with Aphasia after Stroke (Pei-Fang Hung, Lei Sun) #300691 CP, ST</p>	<p>Improving Medication Adherence in Rehabilitation Clients: A Review of Evidence-Based Practice (Jaclyn Schwartz) #300482 CP, CC</p>	<p>Using a Systems and Knowledge Translation Lens to Frame Clinical Recommendation Development and Implementation (I Eshel, B Heintz) #297096 CP, BIL, MIL</p>	<p>Person Centred Care... What Are Consumers Saying About Their Care. (Christine MacDonell, Di Shen, Barbara O'Connell) #300598 CC, MES, INT</p>	<p>Physical Functioning Goals for Chronic Kidney Disease Patients: A Nephrology, Geriatrics and Psychiatry Discussion (Nancy Kutner, Jeanie Park, C. Barrett Bowling) #296055 CC, GER</p> <p>A stimulating solution: targeting spasticity through mechanical and electrical stimulation (Edelle Field-Fote, Jennifer Iddings, Stephen Estes) #292902 CC</p>
<p><b>FRI</b> CONCURRENT SESSIONS <b>BLOCK 5</b> 10:30 AM – 11:45 PM</p>	<p><b>SPECIAL SYMPOSIUM</b> Defining rehabilitation treatments: Implications for clinical education, supervision, and treatment planning (John Whyte, Tessa Hart, Marcel Dijkers) #294063 CP, MES, CC</p>			<p>Learning Health Systems in Rehabilitation Practice &amp; Research (Carole Tucker) #300467 CP, MES</p>	<p>Walking Adaptability After Neurological Injury: Mechanisms, Assessment and Intervention (David Clark, Chitralakshmi Balasubramanian, Emily Fox) #292593 CC, ST, MES</p> <p>How to get published: Authorship, Reporting Guidelines, Reviewing in Medical Rehabilitation (Allen Heinemann, Leighton Chan, Helen Hoenig) #300469 CC</p>
<p>CONCURRENT SESSIONS <b>BLOCK 6</b> 2:30 PM – 3:45 PM</p>	<p>Part II of SS: Specifying rehabilitation treatments: Implementing a common system for clinical education and research reporting (J Whyte, L Turkstra, A Packer, A Heinemann, K D. Cicerone) #294119 CP, MES, CC</p>	<p>Meeting the Needs of Mentored Research in PM&amp;R Residencies (Victor Mark, Simon Driver, Thiru Annaswamy) #293546 CP</p>	<p>Evidence and Clinical Pearls to Improve the Inpatient Team Conference (Dale Strasser, Elisabeth Preston-Hsu, Suzanne Penna, Traci Veramonti, Cindi Ivanhoe, David Kushner) #294882 CP, CC</p>	<p>NIH Grantsmanship: Primer to successful navigation of numerous research opportunities at the NIH (Jesse Lieberman, Mark Hirsch, Janet Niemeier) #300506 CC</p>	<p>Cervicocephalic Syndrome: What Every Physiatrist Should Know. (Nathan Zasler, John Leddy) #296629 CC, BI, PAIN</p> <p>The Legacy of Kurt Goldstein: Person-Centered Healthcare, Holistic Biology, and Biosemiotics in Rehabilitation. (Gary Goldberg, Patrick Whitehead) #296058 CC</p>
<p><b>SAT</b> CONCURRENT SESSIONS <b>BLOCK 7</b> 9:45 AM – 11:00 AM</p>	<p><b>PAPER SESSIONS</b></p>			<p><b>PAPER SESSIONS</b></p>	
<p>CONCURRENT SESSIONS <b>BLOCK 8</b> 11:30 AM – 12:45 PM</p>	<p>Regenerative Rehabilitation: The Role of Mechanotherapies for Optimizing Regenerative Medicine Outcomes (Fabrisia Ambrosio, Arthur English, Nick Willett, Laura Miller) #296886 CP</p>	<p>Interventions to Improve Emotional Regulation Following Traumatic Brain Injury (Theo Tsaousides, Dawn Neumann) #303851 CP, BI, TEC</p>	<p>Clinical Integration and Innovation for Persons With Catastrophic Injury/Chronic Disease: Where Should we Head? (P Morse, P Roberts, D Anselm, C Howard-Brown, S Morrison, C MacDonell, M Jones, A Morse, N Panko) #295289 CC, INT, POL</p>	<p>Rehabilitation Research Resource to Enhance Clinical Trials Center (REACT) and the MR3 Network (Marcas Bammen, Gary Cutter, Jeff Foster) #294864 CC</p>	<p>NIDILRR ARRT Fellows Oral Presentation (Double Slot) #334312</p>
<p>CONCURRENT SESSIONS <b>BLOCK 9</b> 1:00 PM – 2:15 PM</p>	<p>A Practical Guide for Offering Health Promotion Interventions to People With Disabilities in Virtual Worlds (Margaret Nosek, Alice Krueger, Anne Forrest, Thomas Nosek) #297446 CP, SCI, CC</p>	<p>Relational Practice: A Valued And Legitimate Way Of Working In Rehabilitation (Nicola Kayes, Felicity Bright, Kathleen Galvin) #294269 CP, CC</p>	<p>Metacognitive Strategy Training: Optimizing Self-Awareness and Strategy Use across Activities (Joan Togliola, Chelsea Steinberg) #294605 CP, BI, ST</p>	<p>The 'Silo-ed Specialist Dilemma': Interdisciplinary Cross-Training of SCI Specialists for Acquired Brain Injury (Kristen Lueck, Liz Pike) #284131 CC, BI, SCI</p>	<p>Integrating Therapeutic Exercises via Dance/ Movement Therapy, Mindfulness and Guided Imagery When Treating Pain. (Rivi Har-El) #300998 CC</p> <p>Rehabilitative Care in Aging Adults with Blood Cancer - A Multidisciplinary Model (G Bhatt, H Paige Erdeljac, R Owens, A Maria Bittoni, A Custer, K Halliday, S Foster, D Jones, A Rosko) #296408 CP, CAN, GER</p>



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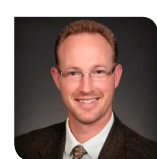
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Held the day the CORE Conference kicks-off, the **Early Career Development Course** is a perennial favorite. This unique session connects early career rehabilitation researchers with seasoned professionals who serve as mentors to answer specific questions regarding career development and funding opportunities.

This year's course is so JAM-PACKED with TOP pros to help turbo-charge your career. There is too much to list on this one page. Please see the website for all the details & all the super mentors involved: [www.ACRM.org/eccd](http://www.ACRM.org/eccd). Here are highlights...

**DISTINGUISHED PANEL SESSION**

Dr. Theresa Pape, DrPH, MA, CCC-SLP/L will moderate a panel of experts, including:

- » Edward D. Wirth, MD, PhD
- » Dr. Ayanna Howard, PhD, MBA
- » W. Scott Selbie, PhD
- » Damien Bates, MD, PhD, FRACS, MBA

**BREAKOUT SESSIONS**

Lastly, attendees will participate in their choice of breakout sessions led by mid-career and senior rehabilitation scientists:

- Productive Writing:** Dr. Stephanie Kolakowsky-Hayner, PhD, CBIST, FACRM
- Support of Clinical Trials:** Dr. Reza Ehsanian, MD, PhD
- Basics of Clinical Trial Design**  
Dr. Ralph Nitkin, PhD and Dr. Brooks Wingo, PhD

**ACRM WELCOME & NETWORKING**

The course will conclude with an introduction to ACRM leadership and chairs of the many interdisciplinary special interest groups (SIGs) and networking groups. This is an outstanding networking opportunity and a chance to learn more about the work of ACRM and how to get involved.

**MENTORING LUNCH**

Mentoring Lunch allows participants the chance to discuss various career development topics with a course mentor in a small group setting to address challenges to Team Science, such as: finding a mentor, working towards independence using large datasets, how to form collaborations, grant strategies, finding your place in team science.

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**KEYNOTE SPEAKER**



**Edward D. Wirth, III, MD, PhD**  
CMO of Asterias Biotherapeutics, Inc.

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**ACRM LEADERSHIP**



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ACRM Early Career Development Course Chair, Assistant Professor, University of Texas Medical Branch

**ATTENDEE PERSPECTIVE...**



"Not only is there a broad range of professionals/ academicians/ researchers you can learn from and talk to, but the break outs are set up such that you are in a more intimate environment in which you can ask real, specific, pressing questions... Having attended the Early Career Development Course, I have access to any of the individuals who presented — everyone is willing and open to help support your career as much as they can." — **Dr. Valerie Hill**, Postdoctoral Fellow, University of Southern California

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CORE CONFERENCE:	3.5 DAY CORE PASS	6-DAY WORLD PASS
 Educational Symposia WED – FRI: 250+ sessions & lectures	✓	✓
 4 Plenary Sessions (Ulicny, Briggs, Corbetta, Rimmer)	✓	✓
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 ACRM Community Meetings:° <i>Interdisciplinary Special Interest Groups (ISIGs), Networking Groups, Task Forces &amp; Committees. A few are invitation only</i>	✓	✓
 <b>Henry B. Betts Awards Gala:</b> FRI evening (\$149 - 199)		✓
 <b>CME/CEU credits</b> for CORE CONFERENCE (\$149)		✓
<b>ACRM EXPO:</b>	✓	✓
 Poster Grand Rounds	✓	✓
 Chat with the Experts	✓	✓
 Product Theater	✓	✓
 <b>Reception I</b> in EXPO / POSTER Hall: WED evening	✓	✓
 <b>Reception II</b> in EXPO / POSTER Hall: THU evening	✓	✓
 <b>INSTRUCTIONAL COURSES:</b> MON, TUE, WED, SAT (\$99.50 - 499)		✓
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 Parkinson's Disease Course for Speech Language Pathologists: SAT (\$249 - 599)		✓
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°Some meetings are by invitation only.

\*Please NOTE: these SPECIAL COURSES are available for purchase separately and are NOT included in the WORLD PASS: Cognitive Rehabilitation Training, ACBIS National Certification Training Program, and ticketed luncheon lectures.

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Physicians have counted on the established safety and efficacy profile of Lioresal® Intrathecal for over 20 years<sup>2,3</sup>

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ITB Therapy<sup>SM</sup> with Lioresal® Intrathecal delivers customized doses directly to the CSF to treat severe spasticity<sup>2</sup>

## Satisfaction

94% of caregivers reported they would elect for ITB Therapy<sup>SM</sup> with Lioresal® Intrathecal once again if needed<sup>4</sup>

Please see additional Important Safety Information, including **BOX WARNING** on previous page.

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 **Lioresal**<sup>®</sup>  
Intrathecal (baclofen injection)

**Abrupt discontinuation of intrathecal baclofen, regardless of the cause, has resulted in sequelae that include high fever, altered mental status, exaggerated rebound spasticity, and muscle rigidity, that in rare cases has advanced to rhabdomyolysis, multiple organ-system failure and death.**

**Prevention of abrupt discontinuation of intrathecal baclofen requires careful attention to programming and monitoring of the infusion system, refill scheduling and procedures, and pump alarms. Patients and caregivers should be advised of the importance of keeping scheduled refill visits and should be educated on the early symptoms of baclofen withdrawal. Special attention should be given to patients at apparent risk (e.g. spinal cord injuries at T-6 or above, communication difficulties, history of withdrawal symptoms from oral or intrathecal baclofen). Consult the technical manual of the implantable infusion system for additional postimplant clinician and patient information (see WARNINGS).**

## Indication:

Lioresal® Intrathecal (baclofen injection) is indicated for use in the management of severe spasticity. Patients should first respond to a screening dose of intrathecal baclofen prior to consideration for long term infusion via an implantable pump. For spasticity of spinal cord origin, chronic infusion of Lioresal® Intrathecal via an implantable pump should be reserved for patients unresponsive to oral baclofen therapy, or those who experience intolerable CNS side effects at effective doses. Patients with spasticity due to traumatic brain injury should wait at least one year after the injury before consideration of long term intrathecal baclofen therapy. Lioresal® Intrathecal is intended for use by the intrathecal route in single bolus test doses (via spinal catheter or lumbar puncture) and, for chronic use, only in implantable pumps approved by the FDA specifically for the administration of Lioresal® Intrathecal into the intrathecal space.

# Lioresal® Intrathecal (baclofen injection)

## Important Safety Information

### Indications and Usage

- Lioresal® Intrathecal (baclofen injection) is a muscle relaxant and antispastic that is indicated for use in the management of severe spasticity of cerebral or spinal origin.
- Lioresal® Intrathecal is intended for use by the intrathecal route in single bolus test doses (via spinal catheter or lumbar puncture) and, for chronic use, only in implantable pumps approved by the FDA specifically for the administration of Lioresal® Intrathecal into the intrathecal space.
- Lioresal® Intrathecal via an implantable pump should be reserved for patients unresponsive to oral baclofen therapy or those who experience intolerable CNS side effects at effective doses.
- Patients with spasticity due to traumatic brain injury should wait at least one year after the injury before consideration of long term intrathecal baclofen therapy.
- Prior to implantation of a device for chronic intrathecal infusion of Lioresal® Intrathecal, patients must show a response to Lioresal® Intrathecal in a screening trial. Please review the dosing and administration section of the Lioresal® Intrathecal prescribing information for further details.

**Abrupt discontinuation of intrathecal baclofen, regardless of the cause, has resulted in sequelae that include high fever, altered mental status, exaggerated rebound spasticity, and muscle rigidity, that in rare cases has advanced to rhabdomyolysis, multiple organ-system failure and death.**

**Prevention of abrupt discontinuation of intrathecal baclofen requires careful attention to programming and monitoring of the infusion system, refill scheduling and procedures, and pump alarms. Patients and caregivers should be advised of the importance of keeping scheduled refill visits and should be educated on the early symptoms of baclofen withdrawal. Special attention should be given to patients at apparent risk (e.g. spinal cord injuries at T-6 or above, communication difficulties, history of withdrawal symptoms from oral or intrathecal baclofen). Consult the technical manual of the implantable infusion system for additional postimplant clinician and patient information (see WARNINGS).**

### Contraindications

- Hypersensitivity to baclofen
- Lioresal® Intrathecal is not recommended for intravenous, intramuscular, subcutaneous or epidural administration.

### Select Warnings and Precautions

- It is mandatory that all patients, caregivers, and treating physicians receive adequate information regarding the risks of the mode of treatment. Instruction should be given on signs and symptoms of overdose, procedures to be followed in the event of an overdose, and proper home care of the pump and insertion site.
- Due to the possibility of life-threatening CNS depression, cardiovascular collapse, and/or respiratory failure, physicians must be adequately trained and educated in chronic intrathecal infusion therapy.
- Patients should be infection-free prior to both a screening trial and a pump implantation. The presence of infection may interfere with an assessment of the patient's response to bolus Lioresal® Intrathecal, increase the risk of surgical complications and complicate dosing.
- Reservoir refilling must be performed by fully trained and qualified personnel following the directions provided by the pump manufacturer. Extreme caution must be used when filling an FDA approved implantable pump, following strict aseptic technique and ensuring refill directly into the reservoir and not the catheter access port.
- An attempt should be made to discontinue concomitant oral antispasticity medication to avoid possible overdose or adverse drug interactions, either prior to screening or following implant and initiation of chronic Lioresal® Intrathecal infusion.
- Following pump implantation, and for each adjustment of the dosing rate of the pump and/or concentration of Lioresal® Intrathecal, the patient should be monitored closely until it is certain the patient's response to the infusion is acceptable and reasonably stable.
- Early symptoms of baclofen withdrawal may include return of baseline spasticity, pruritus, hypotension and paresthesias.

- Priapism may develop or recur if treatment with intrathecal baclofen is interrupted.
- Signs of overdose may appear suddenly or insidiously, and a massive overdose may present as coma. Less sudden and/or less severe forms of overdose may present with signs of drowsiness, lightheadedness, dizziness, somnolence, respiratory depression, seizures, rostral progression of hypotonia and loss of consciousness progressing to coma.
- Should overdose appear likely, the patient should be taken immediately to a hospital for assessment and emptying of pump reservoir.
- Except in overdose related emergencies, the dose of Lioresal® Intrathecal should ordinarily be reduced slowly if the drug is discontinued for any reason.

### Adverse Reactions

#### Common Adverse Reactions

- The most frequent drug adverse events vary by indication but include: hypotonia (34.7%), somnolence (20.9%), headache (10.7%), convulsion (10.0%), dizziness (8.0%), urinary retention (8.0%), nausea (7.3%), and paresthesia (6.7%). Dosing and programming errors may result in clinically significant overdose or withdrawal. Acute massive overdose may result in coma and may be life threatening.
- Drowsiness has been reported in patients on Lioresal® Intrathecal. Patients should be cautioned regarding the operation of automobiles or other dangerous machinery and activities made hazardous by decreased alertness. Patients should also be cautioned that the central nervous system depressant effects of Lioresal Intrathecal may be additive to those of alcohol and other CNS depressants

#### Serious Adverse Reactions

- Seizures have been reported during overdose and with withdrawal from Lioresal® Intrathecal as well as in patients maintained on therapeutic doses of Lioresal® Intrathecal.
- Fatalities have been reported with Lioresal® Intrathecal use.

#### Postmarketing Experience

- The following adverse events have been reported during post-approval use of Lioresal® Intrathecal.
  - Musculoskeletal – The onset of scoliosis or worsening of a pre-existing scoliosis has been reported.
  - Urogenital – Sexual dysfunction in men and women including decreased libido and orgasm dysfunction have been reported.

### Use in Specific Populations

- There are no adequate and well controlled studies in pregnant women. Lioresal® Intrathecal should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.
- Nursing mothers should exercise caution, as oral baclofen has been shown to pass into milk at therapeutic doses.
- Safety and effectiveness in pediatric patients below the age of 4 have not been established.
- Patients suffering from psychotic disorders, schizophrenia, or confusional states should be treated cautiously with Lioresal® Intrathecal and kept under careful surveillance.
- Lioresal® Intrathecal should be given with caution in patients with impaired renal function. Dose reduction may be necessary.
- Lioresal Intrathecal should be used with caution in patients with a history of autonomic dysreflexia.

For more information, including **BOX WARNING**, refer to Lioresal® Intrathecal (baclofen injection) prescribing information located on [www.lioresal.com](http://www.lioresal.com).

#### References:

1. Saulino M, Ivanhoe CB, McGuire JR, et al. Best Practices for intrathecal baclofen therapy: patient selection. *Neuromodulation*. 2016;19(6):607-615.
2. Lioresal® Intrathecal (baclofen injection) for intrathecal injection [prescribing information]. Roswell, GA, Saol Therapeutics; Revised September 2016.
3. Boster AL, Bennett SE, Bilsky GS, et al. Best practices for intrathecal baclofen therapy: screening test. *Neuromodulation*. 2016;19(6):616-622.
4. Campbell, W, Ferrel A, McLaughlin J, et al. Long-term safety and efficacy of continuous intrathecal baclofen. *Dev Med Child Neurol*. 2002;44(10):660-665.



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