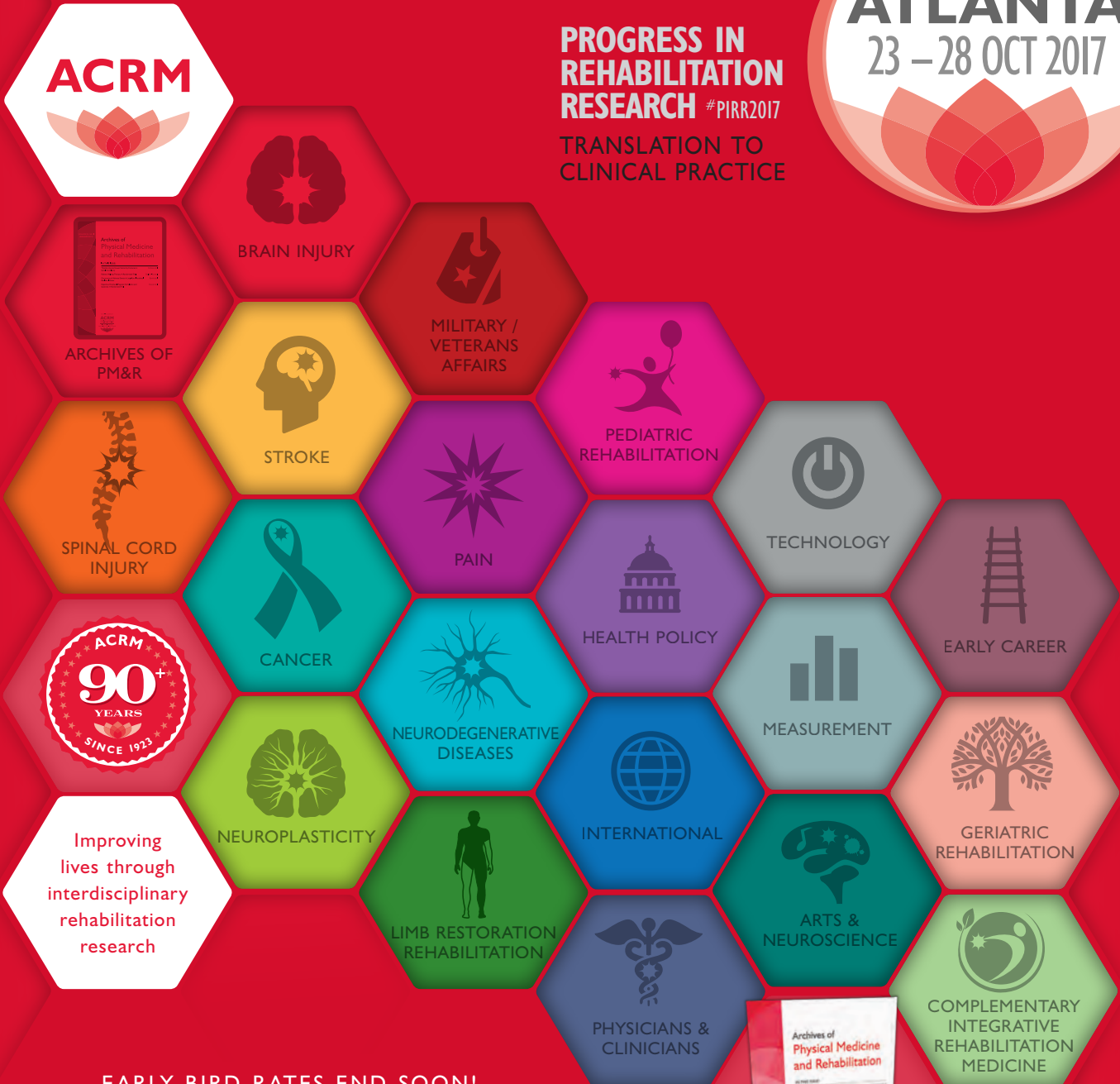


conference brochure

ACRM 
94th Annual
Conference

PROGRESS IN
REHABILITATION
RESEARCH #PIRR2017
TRANSLATION TO
CLINICAL PRACTICE



Improving
lives through
interdisciplinary
rehabilitation
research

EARLY BIRD RATES END SOON!
REGISTER NOW
www.ACRMconference.org
OR CALL: +1.703.435.5335



registered yet?

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

improve more

ACRM ATLANTA #PIRR2017

Join ACRM

Save the most by becoming an ACRM Member before you register. ACRM is a growing and vibrant interdisciplinary community offering outstanding opportunities to connect, learn and collaborate with colleagues from around the world. Members gain full access to 20+ interdisciplinary special interest groups, committees, task forces and networking groups, subscription to the *ARCHIVES of Physical Medicine & Rehabilitation* — the most-cited journal in rehabilitation, discounts on all ACRM events and publications and more. Visit ACRM.org/join or contact MemberServices@ACRM.org.



“This is going to be FANTASTIC. Tell your colleagues!”

“You — and your entire rehab team — are welcome at the ACRM Conference. If you’ve been to one before, it’s like coming home. If you are new to ACRM, welcome to our family.”

PAMELA ROBERTS, PHD, OTR/L, SCFES, FAOTA, CPHQ, FNAP, FACRM
STROKE INTERDISCIPLINARY SPECIAL INTEREST GROUP CHAIR AND ANNUAL CONFERENCE PROGRAM COMMITTEE CHAIR, CEDARS-SINAI HEALTH SYSTEM

SUBMIT

It’s not too late to be a part of this! Now calling for late-breaking posters. Accepted abstracts are published in the *ARCHIVES* of PM&R. DEADLINE 28 JULY MORE: ACRM.org/posters



Check out the ACRM Conference APP
ACRM.ORG/APP
And the online program:
ACRM.ORG/onlineprogram



BRAIN INJURY SPINAL CORD INJURY STROKE CANCER NEUROPLASTICITY NEURODEGENERATIVE DISEASES PAIN

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

ACRM 94th Annual Conference

PROGRESS IN REHABILITATION RESEARCH #PIRR2017 TRANSLATION TO CLINICAL PRACTICE



INTERDISCIPLINARY

Improving lives
through interdisciplinary
rehabilitation research



ACRM HEADQUARTERS
11654 Plaza America Drive, Ste 535
Reston, Virginia, USA 20190
Tel: +1.703.435.5335
Email: info@ACRM.org

ACRM LEADERSHIP

PRESIDENT

Douglas Katz, MD, FACRM,
FAAN, FANA, FASNR

CHIEF EXECUTIVE OFFICER

Jon W. Lindberg, MBA, CAE,
Yale-GELP

www.ACRM.org

 @ACRMtweets



Hello ACRM members & friends,

I am honored to invite you — and every member of your rehabilitation team — to experience the most exciting ACRM event ever — the **ACRM 94th Annual Conference: Progress in Rehabilitation Research (#PIRR2017)**.

While the ACRM Conference has exploded in depth and breadth in recent years, ACRM will always make **QUALITY** the #1 priority and will maintain that sense of intimacy and the opportunities for close interactions within our communities that is so much a part of ACRM.

Exciting new additions again this year are the result of the incredible Program Committee led by the tireless **Pamela Roberts, PhD, OTR/L, SCFES, FAOTA, CPHQ, FNAP**, Cedars-Sinai Health System. **NEW in 2017:**

- **EXPANDED GRAND ROUNDS** — curated tours of award-winning scientific posters
- **“CHAT WITH AN EXPERT”** series — allowing up-close networking and exchanges
- **MORE EXCITING SPECIAL SYMPOSIA** featuring renowned presenters and hot topics
- **MORE** networking opportunities for interprofessional exchange
- **BIGGER EXPO** the exciting hub of the conference with the latest and the best rehabilitation products and services
- **MORE COMMUNITY MEETINGS** than ever! Always welcoming and inclusive — ACRM community groups are where the serious work, networking, and camaraderie come to life. Opportunities are plentiful within ACRM to get involved and make a meaningful difference in rehabilitation and **IMPROVE LIVES**.
- **ONLINE PROGRAM** allows you to peruse and search the conference program, by focus area, read detailed course descriptions and build your schedule: ACRM.org/onlineprogram,

VALUE ACRM works brutally hard to keep registration costs as low as possible in order to be affordable for the greatest number of people. And the cost per CME hour is as low as \$14.26 for the student **WORLD PASS** versus an industry average of \$40 per hour. So the added value of the **WORLD PASS** bundle can not be beaten. And ACRM's discounted hotel rates can save members as much as 30 - 40% per night over the hotel's regular market rates. So don't get left out — register for the conference and reserve your hotel room today.

Come and be a part of the **LARGEST** conference in the world for interdisciplinary rehabilitation research, made even better with you.

I look forward to seeing you in Atlanta!



Douglas Katz, MD, FACRM, FAAN, FANA, FASNR
ACRM President
Boston University School of Medicine
Boston University Neurology Associates
HealthSouth Braintree Rehabilitation Hospital

everyone is filing in to ACRM...



ACROSS DISCIPLINES & AROUND THE WORLD — ACRM IS KNOWN FOR HAVING QUALITY RESEARCH. ACRM IS WHERE THE RESEARCHERS MEET THE CLINICIANS & TEAM SCIENCE IS HELPING TO IMPROVE LIVES. PLEASE JOIN US.

THERE'S LOTS TO LEARN FROM EACH OTHER HERE...

Your whole rehab team belongs at ACRM

- » POWERHOUSE speaker line-up — renowned names in rehab
- » Network, connect, learn, grow...
- » 6 days of the LATEST RESEARCH translated to practice
- » NONSTOP CONTENT for 18 focus areas — all under one roof
- » PLUS dozens of cross-cutting topics spanning multiple diagnoses/focus areas
- » CME / CEUs for 15 Disciplines
- » Up to 44 credit hours — more than any other event
- » 900+ scientific paper & poster presentations
- » 250+ educational sessions, symposia & lectures
- » 3,000+ attendees from around the world
- » DOZENS of ACRM Meetings: interdisciplinary special interest groups, networking groups & task forces—*join us!*
- » Exciting ACRM REHAB EXPO HALL:
 - › Chat with the Experts
 - › Poster Grand Rounds
 - › Product Theater

EARLY BIRD registration rates from:

\$99.⁵⁰ Instructional Course
\$449 CORE Conference
\$699 WORLD PASS

NOW OPEN
*You can still be
a part of this...*

CALL for LATE-BREAKING RESEARCH
Get published in the ARCHIVES of PM&R. More: ACRM.org/posters

 #PIRR2017 #ACRM2017 @ACRMtweets

 LIKE & SHARE

TO REGISTER: www.ACRM.org/2017
or call +1.703.435.5335



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-ANCCS, CCC-SLP Scientific Chair: Think & Speak Lab and Professor, Physical Medicine & Rehabilitation and Communication Sciences & Disorders, Shirley Ryan AbilityLab (formerly the Rehabilitation Institute of Chicago) and Northwestern University

Please join us...



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



MICHAEL D. STUBBLEFIELD, MD
Medical Director for Cancer Rehabilitation, Kessler Institute for Rehabilitation; National Medical Director for Cancer Rehabilitation, Select Medical



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



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



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



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



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



DAVID CIFU, MD
Herman J. Flax, MD Professor and Chairman, Virginia Commonwealth University School of Medicine



STACY SUSKAUER, MD
Associate Professor, Kennedy Krieger Institute

OVERVIEW

Subject to change. As of 30May17

ACRM
94th 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
I N T E R D I S C I P L I N A R Y

MON 23 OCT	TUE 24 OCT	WED 25 OCT	THU 26 OCT	FRI 27 OCT	SAT 28 OCT
---------------	---------------	---------------	---------------	---------------	---------------

PRE-CONFERENCE

CORE CONFERENCE

Instructional Courses Choose from a variety of half-day and full-day courses. Continuing Education Credit is included ACRM COGNITIVE REHABILITATION TRAINING TWO-DAY COURSE	Instructional Courses Choose from a variety of half-day and full-day courses. Continuing Education Credit is included OFFICIAL ACBIS CERTIFICATION COURSE FOR BRAIN INJURY SPECIALISTS TWO-DAY COURSE	ACRM Early Career 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 CORE START 1:30 PM CONCURRENT SESSIONS BLOCK 1	ACRM Community Group Meetings PLENARY II 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	ACRM Community Group Meetings PLENARY III 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 OPEN TO ALL Pre-Gala Cocktail Hour OPEN TO ALL Henry B. Betts Awards Dinner & Gala	ACRM Community Group Meetings FEATURED SESSIONS: Funders & Physical Fitness CONCURRENT SESSIONS BLOCK 7 CONCURRENT SESSIONS BLOCK 8 CONCURRENT SESSIONS BLOCK 9 CLOSING PLENARY IV Arts & Neuroscience: Ending on a High Note CORE END 4:00 PM OPTIONAL SOCIAL DINNERS, NETWORKING & FUN ON YOUR OWN	Parkinson's Disease Course For Speech Language Pathologists 8:00 AM – 5:00 PM (lunch included) Instructional Courses
		EARLY CAREER & FIRST-TIME ATTENDEE WELCOME to ACRM OPEN to ALL	SPONSORED SYMPOSIA TBD	OPENING REMARKS & PLENARY I ACRM EXPO OPENING RECEPTION I	ACRM Community Group Meetings / Paper Sessions ACRM Membership Meeting OPEN TO ALL Pre-Gala Cocktail Hour OPEN TO ALL Henry B. Betts Awards Dinner & Gala	CONCURRENT SESSIONS BLOCK 9 CLOSING PLENARY IV Arts & Neuroscience: Ending on a High Note CORE END 4:00 PM OPTIONAL SOCIAL DINNERS, NETWORKING & FUN ON YOUR OWN	

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** **FRIDAY**
27 OCT

PRE-CONFERENCE INSTRUCTIONAL COURSES (ICs)



\$99.⁵⁰ each half-day block EARLY BIRD rate

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

EARLY BIRD	REGULAR	ON-SITE 23 - 28 OCT
99.50	149.50	199.50

< Unless otherwise noted, IC pricing & registration is for half-day blocks. One day block would be x2. See the WORLD PASS for best value page 49 and ACRM.org/worldpass.

ID CODE 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 at Shepherd Center	NEURODEGENERATIVE DISEASES
1:00 PM - 4:30 PM	302250	TRANSPORTATION ON OWN Insights into an Integrative and Comprehensive Approach to Management of Multiple Sclerosis (Part 1)	NEURODEGENERATIVE DISEASES & CLINICAL PRACTICE
1:30 PM - 5:30 PM	309187	Dynamic Neuro-Cognitive Imagery Training for Enhancing Motor Performance in People with Parkinson's Disease	NEURODEGENERATIVE DISEASES & GERIATRIC
1:30 PM - 5:30 PM	284670	Integrative Management of Chronic Pain using Autonomic Self-Regulation	COMPLEMENTARY INTEGRATIVE MEDICINE
1:30 PM - 5:30 PM	294181	Reducing the Likelihood of Post-Concussive Syndrome Thru Effec. Assessmen/Education/Treatment	CLINICAL PRACTICE
1:30 PM - 5:30 PM	294384	Applied Longitudinal Data Analysis Using R (Part 2)	STATISTICAL MODELING
1:30 PM - 5:30 PM	294693	Implementing a Patient/Family Driven Care Program using Goal Attainment Scaling	CROSS-CUTTING
1:30 PM - 5:30 PM	296808	Brief PTSD Treatment in Rehabilitation Settings Using the "Battlefield Variant" Protocol	CLINICAL PRACTICE
1:30 PM - 5:30 PM	297040	New EEG & Multimodal Tools for Communication and Rehab for Users w/Severe Motor Disabilities	NEURODEGENERATIVE DISEASES
1:30 PM - 5:30 PM	297087	Enhancing TBI Research Baseline & Outcomes Measurement w/Biomarkers & Biometrics (Part 2)	BRAIN INJURY
1:30 PM - 5:30 PM	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	Early Career Development COURSE — LUNCH INCLUDED see: ACRM.org/ecdc	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	295894	Beyond Acute Care; Promoting Self-Management and Empowering Clients to Live a Fuller Life	CLINICAL PRACTICE & MEASUREMENT
8:30 AM - 12:30 PM	284339	Programmatic Development: An Instructional Course And Workshop For Rehabilitation Clinicians	CLINICAL PRACTICE & MEASUREMENT
8:30 AM - 12:30 PM	297160	Management of Children With Upper and Lower Extremity Limb Deficiencies: Congenital & Acquired	LIMB RESTORATION & PEDIATRICS
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
8:30 AM - 2:30 PM	302250	at HILTON Insights into an Integrative & Comprehensive Approach to Management of MS (Part 2)	NEURODEGENERATIVE DISEASES & CP

SATURDAY 28 OCT

\$ 8:00 AM - 5:00 PM	313279	Parkinson's Disease COURSE for Speech Language Pathologists — LUNCH INCLUDED see: ACRM.org/pdfcourse	NEURODEGENERATIVE DISEASES
8:00 AM - 12:00 PM	334413	Dance Tools to Help Physical and Occupational Therapists Broaden Vocabulary and Approach	COMPLEMENTARY INTEGRATIVE MEDICINE
8:00 AM - 11:30 AM	300216	Integrating Feldenkrais® Concepts Into Rehabilitation: A Systems Based Approach (Part 1)	COMPLEMENTARY INTEGRATIVE MEDICINE
12:00 PM - 4:00 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, only these include lunch and have a separate pricing structure when purchased a la carte. Advance registration is required. These events will likely sell-out.

Dive into details and REGISTER: ACRM.org/instructionalcourses

MONDAY

MON 8:30 AM - 12:30 PM #294674

How to Deliver the Wheelchair Skills Training Program in the Clinic and Beyond

STYLE: Hands-on Workshop

FOCUS: Cross-Cutting, Technology (e.g. robotics, assistive technology, mHealth) **FACULTY:** Lynn Worobey, R. Lee Kirby

Wheelchair skills are important for community access and quality of life, however many users report being unable to traverse uneven terrain, transfer between surfaces, or more advanced skills like negotiating curbs. In this hands-on workshop, you will learn how to effectively use the Wheelchair Skills Training Program (WSTP) to teach wheelchair users how to complete indoor, community and advanced wheelchair skills. We will also present an outcome measure that can be used to evaluate your training in a clinical setting. The session will include hands-on practice of completing, spotting and providing feedback on wheelchair skills.

MON 8:30 AM - 5:30 PM #295192

Rising Above the Stereotypes to Create a Successful Interdisciplinary Team

STYLE: Hands-on Workshop

FOCUS: Cross-Cutting

FACULTY: Megan Mitchell, Lise Worthen-Chaudhari, Amy Barnes

This workshop based course will introduce interdisciplinary research collaboration as a skill that can be learned and will provide structured opportunities to practice relevant skills, such as active listening and strengths-based leadership. Participants will complete their own Gallup Strength Finder assessments, be introduced to the theory and research underlying strengths-based leadership and begin applying this knowledge and skill base during directed breakout sessions. Sessions will be facilitated by moderators and focus upon presenter and attendee ideas within

four distinct phases of innovation — idea generation, needs assessment, research project execution and translation to clinical practice/commercialization.

MON 8:30 AM - 5:30 PM #296024

ICU Rehabilitation: Current State of the Evidence and Implementation Science

STYLE: Hands-on Workshop **FOCUS:** Clinical Practice **FACULTY:** Amy Pastva, Amy Nordon-Craft, Daniel Malone, Kirby Mayer

Exploration of current evidence for rehabilitation for the critically ill population will be reviewed. Safety criteria, examination schemas, outcome measures and barriers to implementation will be discussed.

MON 1:30 PM - 5:30 PM #282464

Improving carry-over: A Practical Lab on Approaches for Translating Therapeutic Gains Into Daily Activities

STYLE: Hands-on Workshop **FOCUS:** Clinical Practice

(assessment, diagnosis, treatment, knowledge translation/EBP, implementation science, program development) **FACULTY:** Lynne Gauthier, Kristina Kelly, Elizabeth Skidmore

Evidence suggests that focus on carry-over promotes increased use of a weaker limb in everyday life. The CI therapy transfer package is a set of behavior change techniques that facilitate carry-over and can be used with any intervention. It encourages patients to take active responsibility for engaging in therapeutic activities throughout the day, effectively extending the amount of time spent on rehabilitation; it also teaches problem-solving during tasks in a way that can be applied independently even after the treatment period ends. During this course, participants will gain the knowledge and skills to implement the transfer package into clinical practice.

TUESDAY

TUE 8:30 AM - 12:30 PM #289945

Integrating Outcome Measurement into Clinical Practice

STYLE: Lecture **FOCUS:** Cross-Cutting, Quality Improvement and Implementation Science

FACULTY: Pamela Roberts, Deborah Backus, Trudy Mallinson, Sarah Morrison, MariaCecilia Alpasan, Richard Riggs

Determining which rehabilitation outcome assessments to use is challenging. Some assessments are appropriate for a wide range of diagnostic groups and others are disease-specific. Some assessments are good for making a diagnosis, others are better for capturing change. Knowing which factors are important for selecting the right outcome assessments is important for ensuring data are reliable, valid, fit within clinical workflow, and clinically useful. Outcome measurement is important not only for demonstrating value, but also to increase and advance clinical knowledge. The purpose of this instructional course is to provide rehabilitation providers the rationale and guidelines for choosing outcome assessments to use routinely in a variety of clinical settings. ACRM.org/ic289945

TUE 8:30 AM - 12:30 PM #293316

Neuromuscular Stimulation to Improve Function in Pediatrics

STYLE: Lecture **FOCUS:** Pediatric Rehabilitation, Technology (e.g. robotics, assistive technology, mHealth) **FACULTY:** Christina Stark, Rebecca Martin, Brooke Meyer, Harald Schubert

This course will review two modalities to help restore normal kinematics in children with motor dysfunction and help clinicians understand the risks, benefits, and indications for each. Clinicians will leave this course with a solid understanding of electrotherapeutic and mechano-stimulation interventions and be able to design treatment plans for a variety of diagnostic groups. ACRM.org/ic293316

TUE 8:30 AM - 12:30 PM #294466

An Introduction to Longitudinal Data Analysis (Part I)

STYLE: Lecture **FOCUS:** Measurement

FACULTY: Allan Kozlowski, Keith Lohse
Many rehabilitation outcomes evolve over time, which are suited to evaluation using advanced longitudinal and hierarchical statistical models. This course will intro-

duce rehabilitation researchers and clinicians with the rationale and concepts that support the application of individual growth curve modeling. Following the course, learners will be able to appraise existing data for suitability to an individual growth curve model, discuss the relevance of such models with statistical consultants, and plan for data collection in future projects which are suited to modeling outcomes longitudinally. Details: ACRM.org/ic294466

TUE 8:30 AM - 12:30 PM #296911

Shifting Focus: Delivering Peer-led, Person-centered Support In SCI Rehabilitation, Community Settings & Online

STYLE: Hands-on Workshop **FOCUS:** Clinical Practice, Spinal Cord Injury

FACULTY: Bethlyn Houlihan, Shane Sweet, Sonya Allin, Minna Hong, Sarah Skeels, Julie Gassaway

SCI peer involvement is expanding in rehabilitation and community settings whereby trained mentors help peers actively engage in self-management and home/community reintegration. This workshop will describe an evaluation of peer mentor relationships using Self-Determination theory; discuss two randomized controlled trials of peer-led inpatient and community-based interventions showing significantly improved rehabilitation outcomes; demonstrate person-centered peer mentorship; and showcase an online self-management site after detailing the participatory design process. Course participants' expressed goals shape course delivery throughout, as they learn hands-on person-centered skills - applicable to many rehabilitation areas — through a culminating role play practice session in their chosen service area. ACRM.org/ic296911

TUE 8:30 AM - 12:30 PM #297052

A Clinician's Guide to Finding and Interpreting Data to Support Your Evidence-Based Practice

STYLE: Lecture **FOCUS:** Clinical Practice (assessment, diagnosis, treatment, knowledge translation/EBP, implementation science, program development) **FACULTY:** Mark Sweatman, Christine Willis

The course is open to any interested physicians, therapists, nurses, or other healthcare professionals who seek to learn how to find and interpret evidence to support clinical practice. Participants will demonstrate the ability to utilize PubMed effectively to find published articles from peer-reviewed journals relevant to a specific clinical research question. Information will be presented to help participants understand basic statistical analysis and levels of evidence for the appropriate interpretation and application of results. The instructors will provide hands-on demonstration time for participants to apply what has been discussed in the course. ACRM.org/ic297052

TUE 8:30 AM - 5:30 PM #297087

Enhancing TBI Research Baseline and Outcomes Measurement with Biomarkers and Biometrics

STYLE: Lecture **FOCUS:** Brain Injury, Measurement **FACULTY:** Janet Niemeier, Amy Wagner, Mark Hirsch, Mark Newman, Raj Kumar, Shannon Juengst, Amery Treble-Barna
Two teams of TBI researchers, scientists from University of Pittsburgh Department of Rehabilitation Research

TUESDAY

and scientists from Carolinas Medical Center/University of North Carolina, Department of Physical Medicine and Rehabilitation will provide information about the current gaps in characterization of TBI symptoms, severity and outcomes. The presenters will also describe how to pull together cross-field teams and include biomarkers and biometrics in study measure list for enhancing accuracy, increasing understanding of TBI complexities, and advancing the field. Exemplars will be provided from the research of both teams of presenters. Details: ACRM.org/ic297087

TUE 8:30 AM - 12:30 PM #297160

Management of Children With Upper and Lower Extremity Limb Deficiencies: Congenital and Acquired

STYLE: Lecture **FOCUS:** Pediatric

FACULTY: Michael Schmitz, Jorge Fabregas, Dana Olszewski, Jill Flanagan, Allan Peljovich, Colleen Coulter, Joshua Vova, Brian Giavedoni

The purpose of this course is to improve clinicians' understanding of the etiology, diagnosis, multidisciplinary treatments and outcomes of children with congenital and acquired limb deficiencies. ACRM.org/ic297160

TUE 8:30 AM - 5:30 PM #300062

Neuropharmacology Overview: Basic Science, Clinical Use, & Future Direction

STYLE: Lecture **FOCUS:** Clinical Practice

FACULTY: Joseph Rosenthal, Arshia Ahmad, Ana Durand Sanchez, Min Jeong Graf, Douglas Katz, Cindy IVanhoe, Sheital Bavishi

This course surveys the basic principles of neuropharmacology with an emphasis on the molecular pharmacology of drugs used to treat CNS disorders which are of particular interest to Rehabilitation Medicine Practitioners. The course will provide a description of the cellular and molecular actions of drugs on synaptic transmission with discussion of drug-induced changes in functioning of the nervous system. We will examine how the neurotransmitter systems influence nervous system as well as therapeutic targets affecting these transmitter systems. Clinical applications of neuropharmacology, current research investigating the development of drugs for neuronal targets, and pharmacogenetics will be addressed. ACRM.org/ic300062

TUE 8:30 AM - 12:30 PM #304782

Management of Neurodegenerative Disorders with Ayurveda and Yoga: Interdisciplinary Considerations

STYLE: Lecture **FOCUS:** Neurodegenerative Disease (e.g. MS, Parkinson's disease, Complementary Integrative Rehabilitation

Medicine **FACULTY:** Rajiv Dalal, Kavita Dalal

This course will introduce Ayurveda from a theoretical standpoint with focus on assessment and treatment of neurodegenerative disorders. There will be a strong focus on the science of Ayurveda, namely the tridasha theory, with correlation to established biochemical models. The participants will learn the connections between Ayurveda to common established therapeutic techniques such as physical therapy and pharmacotherapy for treatment of Parkinson's and Alzheimer's. Subsequently, treatment techniques will be discussed and demonstrated, which encompass the use of breathing exercises, yoga postures, diet modification and herbal therapy. Finally, these concepts will all be integrated

with the utilization of a case study. ACRM.org/ic304782

TUE 12:30 PM - 5:30 PM #284670

Integrative Management of Chronic Pain using Autonomic Self-Regulation

STYLE: Hands-on Workshop **FOCUS:** Complementary Integrative Rehabilitation Medicine, Pain

FACULTY: JP (Jack) Ginsberg, Raouf (Ron) S. Gharbo, Melanie Berry, Aubrey Berry

Heart rate variability biofeedback and Mindfulness are integrative health care techniques that together form the intervention called 'Autonomic Self-Regulation (ASR)'. ASR is an easily learned, non-invasive, non-pharmaceutical way of managing centrally sensitized chronic pain. This instructional course uses case studies, lecture, and live hands-on demonstration to provide attendees a clear understanding of how ASR benefits works to reduce centrally sensitized chronic pain. Information explaining the shared central nervous system pathways of sensitized chronic pain and ASR will be shared, and recent research results from studies of the effect of ASR on chronic pain will also be presented. ACRM.org/ic284670

TUE 12:30 PM - 5:30 PM #294181

Reducing the Likelihood of Post-Concussive Syndrome Through Effective Assessment, Education, and Treatment

STYLE: Lecture **FOCUS:** Clinical Practice, Brain Injury

FACULTY: Suzanne Penna, Logan Kaleta

Unlike moderate to severe traumatic brain injuries (TBI), recovery from mild TBI is not directly related to severity of injury. Recovery from concussion is related to pre and post-morbid cognitive, physiological, and psychological variables. The goal of this course is to provide a review of concussion management in order to either prevent post concussion syndrome (PCS) or improve functioning in those with PCS symptoms. While the material presented will be applicable to all individuals with concussion; a special focus will be on challenges in treating veterans, and considerations in assessment and treatment of athletes regarding return to play/retiring from sport. ACRM.org/ic284670

TUE 12:30 PM - 5:30 PM #294384

Applied Longitudinal Data Analysis Using R (Part 2)

STYLE: Hands-on Workshop

FOCUS: Measurement **FACULTY:** Keith Lohse,

Allan Kozlowski

Building off Part 1 (#294466), this hands-on workshop will introduce clinicians and researchers to building and comparing statistical models for longitudinal data using individual growth curve (IGC) analysis. IGC is an advanced data analysis technique that is extremely useful for anyone who works with data collected over time. IGC has real advantages over repeated measures ANOVA in terms of its flexibility (e.g., works even with missing data) and statistical power (e.g., test only the contrasts you are interested in), making it ideal for the clinical sciences. Details: ACRM.org/ic294384

TUE 12:30 PM - 5:30 PM #294693

Implementing a Patient/Family Driven Care Program using Goal Attainment Scaling

STYLE: Lecture **FOCUS:** Cross-Cutting

FACULTY: Susan Johnson, Tiffany Lecroy, Virginia Martin, Tracey Wallace, Allison Cwick

Patient/Family driven patient care models are emerging to extend traditional health care delivery models to empower patients and families own self care and safety. This presentation will provide hands on training and implementation strategies for developing a patient family centered care model in a rehabilitation setting using goal attainment scaling. Specific tools, training modules, and measures of success will be described. ACRM.org/ic294693

TUE 12:30 PM - 5:30 PM #297040

New EEG and Multimodal Tools for Communication and Rehabilitation for Users with Severe Motor Disabilities

STYLE: Hands-on Workshop **FOCUS:**

Neurodegenerative Disease (e.g. MS, Parkinson's disease), Brain Injury **FACULTY:** Brendan Allison, Melody Jackson, Vivek Prabhakaran, Dean Krusienski

This instructional course will provide hands-on demonstrations and workshops with different systems that use the EEG and other multimodal signals to enable communication or provide rehabilitation for persons with severe motor disabilities. Attendees can don electrode caps and other head-mounted equipment and use systems and methods from different groups. We will help attendees proceed through the stages of mounting equipment, launching software, training the classifier, practicing communication, and other activities. This course may be interest persons who work with patients with severe motor disabilities, as well as people interested in neuroscience, engineering, medicine, movement therapy, psychology, signal processing, and HCI. ACRM.org/ic297040

TUE 1:00 PM - 4:30 PM #302250

Insights into an Integrative and Comprehensive Approach to Management of Multiple Sclerosis (PART I) *Continued Wed morning*

STYLE: Lecture **FOCUS:** Neurodegenerative Disease (e.g. MS, Parkinson's disease), Clinical Practice

FACULTY: Deborah Backus, Anne Bender, Anna Berry, Guy Buckle, Blake Burdett, Emily Cade, Julie Huerbin, Sherrill Loring, Jonathan Melbourn, Bonnie Schaude, Ben Thrower, Tracy Walker

This first part, of a two-part instructional course, will be held at the Shepherd Center. Transport on your own. Information will be presented related to the pathophysiology of MS and an integrated, comprehensive model of care that incorporates a wellness approach to the management of MS. A combination of lecture and case study discussion will demonstrate the integration of evidence for the comprehensive management of symptoms and functional impairment in people with MS. The day will culminate with a tour of Shepherd Center and reception at the Shepherd Center. Course continues Wed morning at ACRM Hilton headquarters. More: ACRM.org/ic302250

TUE 1:30 PM - 5:30 PM #296808

Brief PTSD Treatment in Rehabilitation Settings Using the "Battlefield Variant" Protocol

STYLE: Lecture **FOCUS:** Clinical Practice Military and Veterans Affairs **FACULTY:** Marlin Moore, LaDonna Saxon Providing effective treatment for PTSD is challenging in any setting, but especially while deployed to



Believe it or not — all of these courses are included in the WORLD PASS (see page 49)

an active war zone. While in Afghanistan, Moore abbreviated the standard (Foa) 12-session PE protocol and obtained excellent treatment outcomes. Since 2008, similar robust and sustained treatment effects were observed among 200+ inpatient/outpatient, military/non-military, and adults/adolescents. Workshop includes: relevant theory/literature review, pre-treatment informational presentation excerpts, and a recorded PTSD treatment session. Special attention will be given to cases with co-morbid PTSD and chronic pain patients, highlighting the direct applicability of the BV protocol in rehabilitation settings. Post-workshop, attendees can access all the materials (www.drmarlinmoore.com). ACRM.org/ic296808

TUE 1:30 PM - 5:30 PM #309187

Dynamic Neuro-Cognitive Imagery Training for Enhancing Motor Performance in People With Parkinson's Disease

FOCUS: Neurodegenerative Disease (e.g. MS, Parkinson's diseases) **FACULTY:** Amit Abraham, Madeleine Hackney

This instructional course will present evidence supporting the use of imagery (e.g., motor imagery practice and dynamic neuro-cognitive imagery; DNI) interventions to improve motor and non-motor function in people with Parkinson's disease (PD). Presenters will provide suggestions for successful translation of evidence-based principles into clinical practice for effective use of imagery interventions for this population. Finally, self-experimental lab session will introduce attendees to various DNI techniques to improve pelvic mobility during gait and activities of daily life. ACRM.org/ic309187

WEDNESDAY

WED 8:00 AM - 3:00 PM #297424

Early Career Development Course (ECDC) 2017: Successful Interdisciplinary Research in Academics and Industry

STYLE: Lecture **FOCUS:** Cross-Cutting

FACULTY: Monique Pappadis, Keynote: Edward D. Wirth, III, MD, PhD, Stephanie Kolakowsky-Hayner, Reza Ehsanian, Ralph Nitkin. See course description pages 14 – 15. ACRM.org/ecdc

WED 8:30 AM - 12:30 PM #281574

Objective Assessment of Gait Function in People Living with Neurodegenerative Conditions Using Mobile Technology

STYLE: Lecture **FOCUS:** Neurodegenerative Disease (e.g. MS, Parkinson's disease), Technology (e.g. robotics, assistive technology, mHealth)

FACULTY: Mark Hirsch, Mark Newman, Jeffrey Hebert, Erwin van Wegen, Richard Peindl, James Carollo, Patricia Heyn

This international Instructional Course will present and discuss promising, recent and emerging technological advances in wireless and wearable technology being used or studied for health monitoring and research in rehabilitation populations with neurologic injury or neurodegeneration, address which wearable technology parameters ought to be prioritized in a rehabilitation clinical context, report on key ongoing international projects by the presenters, and foundational studies that have already used these technologies across the lifespan, and provide a future perspective on use of innovative and mobile body worn technology in

translational neurorehabilitation research and clinical practice applications. ACRM.org/ic281574

WED 8:30 AM - 12:30 PM #284339

Programmatic Development: An Instructional Course And Workshop For Rehabilitation Clinicians and Physicians

STYLE: Lecture **FOCUS:** Clinical Practice Quality Improvement and Implementation Science

FACULTY: Andrew Dennison, Brad Kurowski, Susan Johnson, Christine MacDonell, Susannah Kidwell

Skills in strategic planning and administration are extremely important when seeking to develop and maintain rehabilitation programs; however, education in these concepts is often lacking in training. This half-day course will provide education in several areas that are critically important for successful programmatic development: assessing your program's gaps and identifying barriers to success, implementing continuous improvement and judiciously applying new technologies and therapy techniques, successfully navigating business and financial issues, promoting a positive culture and obtaining and retaining staff, and effectively preparing for certification surveys. Participants will engage in planning and brainstorm ideas with help from the panel between lectures. ACRM.org/ic284339

WED 8:30 AM - 12:30 PM #285180

How to: Administering the Kessler Foundation Neglect Assessment Process and Prism Adaptation Treatment Protocols

STYLE: Hands-on Workshop **FOCUS:** Stroke, Clinical Practice **FACULTY:** Peii Chen, Kimberly Hreha, Kelly Walloga, Natalia Noce

In this instructional course, we will first discuss the definition of spatial neglect and emphasize the clinical impact on stroke survivors. Next, we will explain the KF-NAP and offer participants the opportunity to practice using the assessment through access to patient cases via video. After, the KF-PAT will be introduced. The small groups will now learn to administer this treatment protocol by actually practicing with the equipment. Conclusions will be a discussion the practical implications of using both protocols in an inpatient rehabilitation facility. ACRM.org/ic285180

WED 8:30 AM - 12:30 PM #288094

How Peers Can Be Integrated Into Rehabilitation Care Provision: Learn From a Peer Support Team

STYLE: Hands-on Workshop **FOCUS:** Spinal Cord Injury, Clinical Practice **FACULTY:** Julie Gassaway, Minna Hong, Pete Anziano, Karen DeVault, Zachary Bradley, Gary Ulicny, Shanna Thorpe, Jennifer Roane We will summarize research results validating the importance of peer mentorship and initiate discussion with participants on translating research findings into actionable items to impact current practice. We will introduce participants to our peer support team who will describe our translation of research into practice. Clinicians and an administrator will provide feedback on how peer involvement augments clinical care. Participants brainstorm ideas about using peers to supplement care provision in home environments and be provided with a course reference list that contains links for accessing peer-developed educational materials and video productions that could be used assist in

program development. ACRM.org/ic288094

WED 8:30 AM - 12:30 PM #288985

Concussion: Managing Recovery Inertia in Complex Phenotypes: A Case Study Model

STYLE: Lecture **FOCUS:** Brain Injury

FACULTY: Steven Flanagan, Donna Langenbahn, Geraldine Pagnotta, Mia Palazzo, Mary Reilly, John Rizzo, Mackenzie Root, Pamela Singer, Mara Sproul, Margaret Waskiewicz

Persisting symptoms afflict 10-20% of patients with concussion. A multidisciplinary approach is essential for patient management. Presenters are from experts from an academic multi-disciplinary concussion center. Presenters will exhibit complex sports and non-sports related cases. Attendees will also bring cases which will be reviewed in workgroups and presented to participants. Areas of focus will be physician management, nurse coordination, physical and vestibular therapy, vision therapy, speech language pathology, social work, and neuropsychological management. Following each interactive case presentation, faculty will lead focused, high impact discussions with clinical pearls highlighting evidence based evaluation tips, treatment approaches, and return to function goals. ACRM.org/ic288985

WED 8:30 AM - 12:30 PM #290429

Adapted Tango Instruction for Older Adults and People With Movement Disorders: Fundamentals

STYLE: Hands-on Workshop **FOCUS:** Arts & Neuroscience, Neurodegenerative Disease (e.g. MS, Parkinson's disease) **FACULTY:** Madeleine Hackney

In recent years, research has demonstrated the beneficial effects of diverse forms of exercise, including dance, for social, physical and emotional aspects of well being for people with parkinson's disease (PD) and older adults. To provide services that address multiple needs of older adults as well as people with PD, this teacher training course for Adapted tango dance fundamentals has been created. This course includes background information about mobility challenges those with PD and older adults face, research that supports adapted tango classes' efficacy, pedagogical and logistical tools for providing safe and effective partnered dance classes. ACRM.org/ic290429

WED 8:30 AM - 12:30 PM #293537

Optimizing Transitions of Care in Stroke Rehabilitation, From Day One to Community Reintegration

STYLE: Lecture **FOCUS:** Stroke, Clinical Practice **FACULTY:** Diane Chappuis, Nancy Flinn, Molly Trammell, Jill Henly, Ann Woolsey, Stacy Shablott, Marlene Vega, Kara Patterson

Optimizing transitions of care for stroke survivors for at least a one year period of time has the potential to improve outcomes in motor, cognitive, language and psychosocial functions. We discuss innovative programs implemented across the continuum of care at two urban rehabilitation networks in the U.S. with focus on (1) utilizing consistent outcome measures for therapy and treatment; (2) enrolling and tracking stroke survivors in care coordination beyond hospital discharge; (3) implementing proactive discharge preparedness; (4) integrating multi-dimensional health literacy principles; and 5) facilitating readiness to make lifestyle changes for secondary stroke prevention and improved quality



WEDNESDAY

of life. ACRM.org/ic297047

WED 8:30 AM - 12:30 PM #294965

Contemporary Applications of Biofeedback for Patients: Mind-body Approaches to Rehabilitation

This course includes a boxed lunch sponsored by Thought Technology

STYLE: Lecture **FOCUS:** Complementary Integrative Rehabilitation Medicine, Brain Injury **FACULTY:** Sonya Kim, Paul Lehrer, Frank Andrasik, Steven Wolf, Trisha Kesar, Katlin Genthe, Patricia Heyn
Mounting evidence points to the efficacy of biofeedback for the treatment of various disorders, including anxiety, depression, headaches, pain, brain injury, and symptoms post-stroke. This course will cover: Heart rate variability biofeedback to improve self-regulation; data on the results of a meta-analysis on HRV-BF to treat depression; evidence on use of biofeedback to treat headache; summarize potential advantages of using biofeedback for rehabilitation including rehabilitation of stroke gait and posture. We will also present preliminary results from our ongoing research involving the use of biofeedback to restore the deficit in paretic propulsion post-stroke. ACRM.org/ic294965

WED 8:30 AM - 12:30 PM #295894

Beyond Acute Care; Promoting Self-Management and Empowering Clients to Live a Fuller Life

STYLE: Lecture **FOCUS:** Clinical Practice, Quality Improvement and Implementation Science **FACULTY:** Veronica Rowe, Jeanne Langan, Marsha Neville, Candice Osborne, William Levack, Shelley Dean

The current healthcare environment and common approaches to rehabilitation do not emphasize training clients' in self-management skills to promote continued recovery across the lifespan. Self-management programs may facilitate the individual's sense of self-efficacy and mastery in managing the condition during post-acute rehabilitation. The purpose of this instructional course is to present current evidence, relevant theories, models for practice, and ideas for translation of evidence into best practice to promote self-management and ultimately active engagement in health and wellness behaviors across the lifespan for persons with chronic conditions. We aim to have robust discussion on improving long-term recovery in chronic conditions. ACRM.org/ic295894

WED 8:30 AM - 12:30 PM #297047

Improving Recognition and Treatment of Sleep Apnea in the Rehabilitation Setting to Improve Outcome

STYLE: Lecture **FOCUS:** Cross-Cutting, Brain Injury **FACULTY:** Risa Nakase-Richardson, Daniel Schwartz, Karel Calero, Mo Modarres, Kathleen Bell, Kimberly Monden

Sleep is critical for neural repair in early stages of recovery and disordered sleep may play a role in early neurodegeneration after conditions such as TBI. The Centers for Disease Control has declared insufficient sleep a public health epidemic. Further, disorders such as sleep apnea are increasingly recognized as under-diagnosed and suboptimally treated in the general population. This is particularly important because sleep apnea is a treatable condition that may alter outcomes.

This course proposes to bring together experts in rehabilitation and sleep medicine to provide current knowledge of sleep apnea diagnosis, treatment, and outcome in the neuro-rehabilitation setting. ACRM.org/ic297047

WED 8:30 AM - 12:30 PM #297321

Stimulating Neurorecovery Using Transcranial Direct Current Stimulation

STYLE: Lecture **FOCUS:** Neuroplasticity (includes neuroscience) **FACULTY:** Heather Peters, Marcia Bockbrader, Lynne Gauthier, Stephen Page
Stroke remains a leading cause of disability worldwide, with survivors experiencing long-term decrements in independence and quality of life. Transcranial direct current stimulation (tDCS), a form of noninvasive brain stimulation delivers a constant, weak current that causes subthreshold upregulation or inhibition of targeted brain structures. tDCS is exceedingly safe, portable, and is efficacious in remediating a variety of post-stroke deficits (e.g., upper and lower extremity motor function, depression, memory), making it particularly promising for clinical practice. Despite its promise, tDCS has yet to be consistently incorporated into clinical neurorehabilitative practice. ACRM.org/ic297321

WED 8:30 AM - 12:30 PM #297352

Evaluating Evidence for Use in Everyday Practice

STYLE: Hands-on Workshop **FOCUS:** Clinical Practice **FACULTY:** Ronald Seel, Gary Gronseth, Marcel Dijkers
This course, co-sponsored by the Guideline Development, Dissemination, and Implementation Committee and the ACRM Evidence and Practice Committee, presents "how to" information that will help clinicians and researchers evaluate evidence from rehabilitation studies and translate evidence into everyday clinical practice. A primary aim is to de-mystify evidence-based practice concepts and equip participants with the knowledge and tools needed to translate evidence (e.g., a published article or clinical trial data) into action (e.g., choosing and implementing a specific intervention). This course will use brief didactic presentations and emphasize applying new knowledge in small work groups. ACRM.org/ic297352

WED 8:30 AM - 12:30 PM #300300

The NIH Toolbox: State of the Art Outcome Measures for Rehabilitation Practice and Research

STYLE: Lecture **FOCUS:** Cross-Cutting, Measurement **FACULTY:** Cindy Nowinski, Richard Gershon, David Tulsy, Allen Heinemann

This workshop will present a state-of-the art measurement system for assessment of neurological and behavioral function that is designed to bring a standard of measurement to practice and research, the NIH Toolbox®. ACRM.org/ic300300

WED 8:30 AM - 2:30 PM #302250

Insights into an Integrative and Comprehensive Approach to Management of Multiple Sclerosis (PART 2)

Continued from Tue course
STYLE: Lecture **FOCUS:** Neurodegenerative Disease (e.g. MS, Parkinson's disease), Clinical Practice **FACULTY:** Deborah Backus, Anneke Bender, Anna Berry, Guy Buckle, Blake Burdett, Emily Cade, Julie

Huerbin, Sherrill Loring, Jonathan Melbourn, Bonnie Schaudé, Ben Thrower, Tracy Walker

This is the second part of two half-day instructional courses. This part will be held at the ACRM Hilton headquarters. Information will be presented information related to the pathophysiology of MS and an integrated, comprehensive model of care that incorporates a wellness approach to the management of MS. A combination of lecture and case study discussion will demonstrate the integration of evidence for the comprehensive management of symptoms and functional impairment in people with MS. More: ACRM.org/ic302250

SATURDAY

SAT 8:00 AM - 5:00 PM #313279

Parkinson's Disease Course for Speech Language Pathologists

STYLE: Lecture **FOCUS:** Arts & Neuroscience, Clinical Practice **FACULTY:** Nina Browner, M.D., Lori Campbell, MA, CCC-SLP, Leslie Mahler, Jessica Huber, Karen Hegland, Ph.D., CCC-SLP, Michelle Ciucci

Created by the Parkinson's Foundation, this day-long educational program is being designed for Speech and Language Pathologists (SLPs) who deliver care to those living with Parkinson's throughout the spectrum of the disease. Parkinson's disease affects not only speech, voice and swallowing, but also the gestures and facial expressions that are critical to communication. We're looking to further educate SLPs to examine the complexities that Parkinson's has on vocalization and swallow behaviors and explore how anti-Parkinson medications influence complex sensorimotor enrichment outcomes. This program will be recorded for webcasting. Detail: ACRM.org/parkinsons

SAT 8:30 AM - 12:30 PM #334413

Dance Tools to Help Physical and Occupational Therapists Broaden Vocabulary and Approach

STYLE: Hands-on Workshop **FOCUS:** Arts & Neuroscience, Neurodegenerative Disease (e.g. MS, Parkinson's disease) **FACULTY:** Pamela Quinn, Christina Soriano

For PTs and OTs: Music, imagery, reflex and improvisational training and entrainment are all elements of dance that can have transformative application to many physical problems. Come discover new ways of thinking and moving that can help your clients break out of the physical habits that don't serve recovery and encourage you to find new methods to reach them. ACRM.org/ic334413

SAT 8:30 AM - 12:30 PM #300216

Integrating Feldenkrais(R) Concepts into Rehabilitation: A Systems Based Approach (PART 1)

STYLE: Hands-on Workshop **FOCUS:** Complementary Integrative Rehabilitation Medicine, Cross-Cutting **FACULTY:** Teresa Miller
1:30 PM - 5:30 PM #300216
(PART 2)

Registered yet?

PRE-CONFERENCE BRAIN INJURY 2-DAY COURSE



ACRM COGNITIVE REHABILITATION TRAINING



MON - TUE
23 - 24 OCT 8:00 AM - 5:30 PM

with Authors of the Manual



More than 2,000 have already attended this popular training course.

CME/CEU credits in your choice of 10 disciplines

90%+ of attendees would likely recommend this training to colleagues

Make sure you and your team have ALL of the up-to-date cognitive rehabilitation strategies. The ACRM Manual and the LIVE training teach evidence-based interventions for impairments of: executive functions, memory, attention, hemispatial neglect, social communication—encompassing ALL of the evidence-based cognitive rehabilitation interventions.

DISTINGUISHED FACULTY



KEITH CICERONE, PHD, ABPP-CN, FACRM
JFK Johnson Rehabilitation Institute, Edison, NJ



THOMAS F. BERGQUIST, PHD, ABPP-CN
Mayo Clinic, Rochester, MN



DEIRDRE DAWSON, PHD
Rotman Research Institute, Baycrest Health Sciences Toronto, Canada



MICHAEL FRAAS, PHD, CCC/SLP
Western Washington University, Bellingham, WA

WHO SHOULD ATTEND? Speech-language professionals, psychologists, occupational and physical therapists, physicians and other professionals serving people with brain injuries. Family members and caregivers may also benefit.

COURSE INCLUDES:

- > **THE MANUAL:** Printed copy of the ACRM Cognitive Rehabilitation Manual (\$150 value) including worksheets. Also available for purchase separately
- > **ONLINE COURSE:** Access to previously recorded Cognitive Rehabilitation Training (\$395 value) audio with slides. Also available for purchase separately
- > **CME/CEUs:** 12 hours of continuing education in your choice of 10 disciplines

MORE: ACRM.org/cogat1



"This course gives a concise overview of the evidence base supporting cognitive rehabilitation therapy, and incorporates case studies to assist the learner in applying valuable therapeutic techniques to improve cognitive skills and attain functional goals."

—Lane A. Sidebottom, PT, DHS, CPCRT

- Course is based on the highly-regarded ACRM Cognitive Rehabilitation Manual
- More than 1,500 have already attended
- 90%+ of attendees recommend the course



@ACRM_CogRehab

#CogRehabTraining

LIMITED TIME SPECIAL

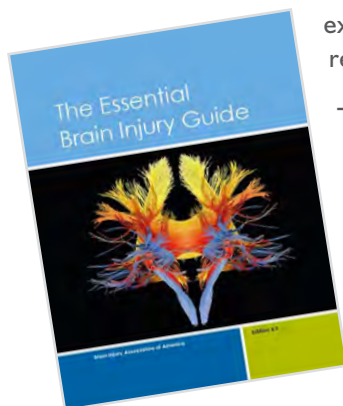
ONLY \$449 student, \$499 member HURRY RATES go up SOON!

Registered yet?

This course is not included in the World Pass



The Academy of Certified Brain Injury Specialists (ACBIS) provides the opportunity to learn important information about brain injury, to demonstrate learning in a written examination, and to earn a nationally recognized credential.



This is the official ACBIS Course for preparation for the CBIS Exam, which will be offered at the end of Day 2 of the training for those who have been predetermined as eligible to sit for the exam. Join more than 6,000 Certified Brain Injury Specialists worldwide and enjoy the support of the Academy offering brain injury education CEUs.

WHO SHOULD ATTEND? The ACBIS training and certification exam are intended for paraprofessionals and professionals at all levels who want a strong foundation in the best practices in brain injury rehabilitation. This official ACBIS instructional course is designed to prepare participants to take the certification examination. Applicants may also elect to prepare for the exam through self-study.

CBIS REQUIREMENTS To obtain CBIS (Certified Brain Injury Specialist), candidates must complete the required work experience and training and pass an examination. Participants who wish to sit for the proctored certification exam immediately following the training, must apply for certification and testing no later than **17 October** through ACBIS directly at www.biausa.org/acbis.

DISTINGUISHED FACULTY



DREW NAGELE, PSYD, CBIST
Executive Director,
Beechwood
NeuroRehab



STEPHANIE A. KOLAKOWSKY-HAYNER, PHD, CBIST, FACRM
Associate Professor of
Rehabilitation Medicine, Icahn
School of Medicine at Mt. Sinai



HEIDI REYST, PHD, CBIST
Sage Solutions
Group, Chair, ACBIS
Board of Governors



DAVE ANDERS, MS, CCC-SLP, CBIST
Director of Therapy
Services, On With Life, Inc.

COURSE INCLUDES:

- > **Downloadable slides** Password protected access to downloadable training materials.
- > **CME/CEUs:** 12 hours of continuing education in your choice of 10 disciplines

MORE & REGISTER: ACRM.org/ACBIS



This course is not included in the World Pass

Registered yet?

LIMITED TIME SPECIAL
ONLY \$449 student, \$499 member **HURRY RATES go up SOON!**

ACRM EARLY CAREER DEVELOPMENT COURSE FULL-DAY COURSE
 "SUCCESSFUL INTERDISCIPLINARY RESEARCH IN ACADEMICS & INDUSTRY"

WED 25 OCT 2017
 8:00 AM - 3:00 PM



ACRM = serious mentoring starting with the Early Career Development Course...

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/ecdc. 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

WHO SHOULD ATTEND? Early career researchers, clinician scientists, and clinicians interested in starting a research agenda will find the course especially beneficial. Attendees range from graduate students nearing the completion of their degree, to postdoctoral scholars and junior faculty. The course program changes annually, enabling attendees to enjoy a unique and informative experience year after year.

MENTORING LUNCH Networking, connecting and learning does not take a break at lunch. Participants sit and enjoy casual conversations with a course mentor and chat about various career development topics and address challenges to Team Science.

COURSE INCLUDES:

Coffee & light pastries, mentoring box lunch, 7 hours of live learning, networking, CME / CEUs.

EARLY BIRD SPECIAL: ONLY \$299 student member OR buy the WORLD PASS from \$699 student member

SEE DETAILS, AGENDA & REGISTER:

www.ACRM.org/ecdc



KEYNOTE SPEAKER

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

NEW! This course is included in the **WORLD PASS**. Incredible value!
 See ACRM.org/worldpass

ACRM LEADERSHIP



"The Early Career Development Course this year is exceptionally exciting. I look forward to meeting you here!" —**Monique R. Pappadis, MEd, PhD** 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

This course is arranged by the ACRM Early Career Networking Group



ACRM.org/earlycareer



INTERVIEWS with course mentor & student alumni



MENTOR ALUMNI

Steve Page, OTR/L, PhD, MS, MOT, FAHA, FACRM, FAOTA, Associate Professor, Ohio State University Medical Center

WHAT DID YOU ENJOY MOST ABOUT PARTICIPATING IN THE ACRM ECDC?

I have been actively involved with ACRM since 1999, during my own postdoctoral fellowship. I have enjoyed the opportunity to connect and advise people who are in the same position that I was — seeking connections and opportunities that will advance their careers and the field.

THE ECDC IS PRIMARILY GEARED TOWARDS:

Pre-doctoral students; Post-doctoral fellows; Clinicians; Residents or Medical Fellows; Junior Faculty or Clinician Scientists

PLEASE TELL US WHAT YOU DO AND WHAT YOUR WORK TYPICALLY ENTAILS

My team's mission is to improve stroke survivor function and stroke care delivery.

Consistently, we've developed many "firsts" in neurorehabilitation, including novel approaches used internationally (e.g., functional brain stimulation, modified constraint induced therapy; mental practice) and novel clinical pathways, clinician manuals and evidence bases supporting others' approaches (e.g., the Bioness H200). We also established the clinically important difference metrics for oft-used rehabilitative measures (e.g., the Fugl Meyer; the Arm Motor Ability Test), and showed that some measures (e.g., the NIH Stroke Scale) are poor matches for post-acute contexts.

It is also extremely important to me to teach best practices to the next generation of clinicians, clinicians "in the trenches." Therefore, I teach in one of the country's (and my medical center's) best-ranked programs, I teach/mentor MD, PhD, and PT students and clinicians, and I host a variety of webinars. I also speak regularly at patient events.

I am happy to help mentor. [See more at ACRM.org/ecdc](http://www.acrm.org/ecdc)



STUDENT ALUMNI

Brad Kurowski, Associate Professor, Cincinnati Children's and University of Cincinnati COM

THE BEST PART OF THE EARLY CAREER DEVELOPMENT COURSE (ECDC) WAS... Networking.

WHAT'S SOMETHING THAT YOU APPROACHED DIFFERENTLY BECAUSE OF WHAT YOU LEARNED DURING THE ECDC?

Building teams and approaching questions as an interdisciplinary team.

HOW HAS THE ECDC HELPED YOUR CAREER?

Created new connections and opportunities.

THE ACRM EARLY CAREER COMMUNITY IS...

Supportive.

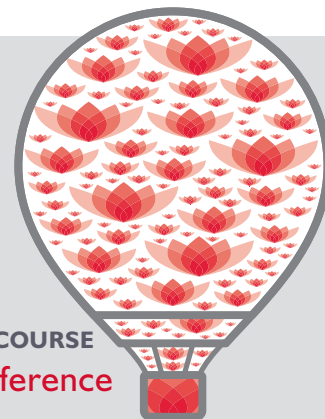
THE ECDC IS PRIMARILY GEARED TOWARDS...

Post-doctoral fellows; Junior Faculty or Clinician Scientists.

PLEASE TELL US WHAT YOU DO AND WHAT YOUR WORK TYPICALLY ENTAILS

Clinical and translational research.

...the best advice you've not yet heard. Don't miss this career lifting experience



EARLY CAREER DEVELOPMENT COURSE
ACRM Annual Conference

Make your own great story. Turbo-charge your career here.

SEE DETAILS, AGENDA & REGISTER:
www.acrm.org/ecdc



Meaningful work happens here...

Visit their web pages, join the listservs and contact the chairs to get involved and make your mark. Did you know... many groups have social media pages? Many groups have Facebook pages of their own, some even have their own Twitter handle and LinkedIn groups. Catch-up with the conversations, join us in Atlanta and online and make a difference with us.

BRAIN INJURY **INTERDISCIPLINARY SPECIAL INTEREST GROUP**

SPINAL CORD INJURY **INTERDISCIPLINARY SPECIAL INTEREST GROUP**

STROKE **INTERDISCIPLINARY SPECIAL INTEREST GROUP**

INTERNATIONAL **NETWORKING GROUP**

NEURODEGENERATIVE DISEASES **NETWORKING GROUP**

CANCER REHABILITATION **NETWORKING GROUP**

PEDIATRIC REHABILITATION **NETWORKING GROUP**

GERIATRIC REHABILITATION **NETWORKING GROUP**

MILITARY / VETERANS AFFAIRS **NETWORKING GROUP**

MEASUREMENT **NETWORKING GROUP**

HEALTH POLICY **NETWORKING GROUP**

NEUROPLASTICITY **NETWORKING GROUP**

PAIN REHABILITATION **GROUP**

EARLY CAREER **NETWORKING GROUP**

TECHNOLOGY **GROUP**

ARTS & NEUROSCIENCE **GROUP**

LIMB LOSS REHABILITATION **GROUP**

PHYSICIANS & CLINICIANS **NETWORKING GROUP**

COMPLEMENTARY INTEGRATIVE REHABILITATION MEDICINE **GROUP**

IMPROVING LIVES through ACRM Community Groups



“ACRM is a home where I can combine clinical interests with my research and interact with people who are making decisions about rehab research”
— Deborah Backus, PT, PhD, FACRM, Shepherd Center, ACRM President-Elect



“At ACRM we are working on really great projects — I feel like I’m really making a difference in the world of brain injury rehabilitation”
— Michael Fraas, CCC-SLP, PhD, Western Washington University

ACRM COMMUNITY MEETINGS THE OF ACRM



The lifeblood of ACRM is its family of community groups comprised of special interest and networking groups. These interdisciplinary communities advance the mission of ACRM, connect you with colleagues who share your interests and support your professional development. These interdisciplinary communities advance the mission of ACRM, connect you with colleagues who share your interests and support your professional development.

Unless otherwise noted, meetings are OPEN for all attendees. In fact many groups are actively seeking leaders like you. *Please join us & be moved...*

WEDNESDAY 25 OCTOBER

		FOCUS
10:00 AM - 11:30 AM	Brain Injury ISIG* (BI-ISIG) Girls and Women with ABI Task Force Meeting	BRAIN INJURY
12:00 PM - 1:30 PM	Cancer Rehabilitation Networking Group Membership Group Meeting	CANCER
12:00 PM - 1:00 PM	Cognitive Rehabilitation Task Force	BRAIN INJURY
12:30 PM - 1:30 PM	International Networking Group Executive Committee Meeting	INT CC

THURSDAY 26 OCTOBER

7:00 AM - 8:00 AM	Brain Injury ISIG (BI-ISIG) Executive Committee and Task Force Chairs Meeting (<i>by invitation only</i>)	BRAIN INJURY
7:00 AM - 8:00 AM	Neurodegenerative Disorder Networking Group (NDNG) Business Meeting	NEURODEGENERATIVE DISEASES
7:00 AM - 8:00 AM	Physicians & Clinicians Networking Group	PHYSICIANS & CLINICIANS
7:00 AM - 8:00 AM	Geriatric Networking Group Meeting	GERIATRIC REHABILITATION
7:00 AM - 8:00 AM	International Networking Group Annual Business Meeting	INTERNATIONAL CROSS-CUTTING
7:00 AM - 8:00 AM	Stroke ISIG Business Meeting	STROKE
7:00 AM - 8:00 AM	Spinal Cord Injury ISIG Fitness and Wellness Task Force	SPINAL CORD INJURY
7:00 AM - 8:00 AM	Pediatric Rehabilitation Networking Group Business Meeting	PEDIATRIC REHABILITATION
7:00 AM - 8:00 AM	Military & Veterans Affairs Networking Group	MILITARY & BRAIN INJURY
7:00 AM - 8:00 AM	Technology Networking Group Meeting	TECHNOLOGY
12:00 PM - 1:00 PM	Brain Injury ISIG (BI-ISIG) SUMMIT	BRAIN INJURY

FRIDAY 27 OCTOBER

7:00 AM - 8:00 AM	Arts & Neuroscience Group Meeting	ARTS & NEUROSCIENCE
7:00 AM - 8:00 AM	Measurement Networking Group Applied Cognition Geriatric Task Force	MEASUREMENT
7:00 AM - 8:00 AM	Stroke ISIG Movement Task Force	STROKE
7:00 AM - 8:00 AM	Communication and Prognosis after TBI Task Force Meeting	BRAIN INJURY
7:00 AM - 8:00 AM	Spinal Cord Injury ISIG Business Meeting	SPINAL CORD INJURY
7:00 AM - 8:00 AM	Limb Restoration Rehabilitation Group Business Meeting	LIMB RESTORATION
7:00 AM - 8:00 AM	Complementary, Integrative, Rehabilitation Medicine Group Welcome Meeting	COMPLEMENTARY INTEGRATIVE
4:00 PM - 5:00 PM	Cancer Rehabilitation — Research Task Force (<i>by invitation only</i>)	CANCER
4:00 PM - 5:00 PM	Chronic Brain Injury Task Force (BI-ISIG)	BRAIN INJURY
4:00 PM - 5:00 PM	Measurement Networking Group Business Meeting	MEASUREMENT
4:00 PM - 5:00 PM	Neuroplasticity Networking Group Meeting	NEUROPLASTICITY
4:00 PM - 5:00 PM	Early Career Networking Group Informational Meeting	CROSS-CUTTING
4:00 PM - 5:00 PM	Stroke ISIG Aphasia Task Force Meeting	STROKE
4:00 PM - 5:00 PM	Pain Rehabilitation Group Meeting	PAIN
4:00 PM - 5:00 PM	Cognitive Rehabilitation Manual — Second Edition Committee Meeting (<i>by invitation only</i>)	BRAIN INJURY
4:00 PM - 5:00 PM	Cognitive Rehabilitation Task Force Systematic Review (<i>by invitation only</i>)	BRAIN INJURY
4:00 PM - 5:00 PM	Stroke ISIG Vision Task Force Meeting	STROKE
4:00 PM - 5:00 PM	Complementary, Integrative, Rehabilitation Medicine Group Business Task Forces Meeting	COMPLEMENTARY INTEGRATIVE
5:15 PM - 6:00 PM	ACRM Membership Meeting — <i>All encouraged to attend!</i> Hear from the ACRM President & get involved to help move the rehabilitation field forward.	CROSS-CUTTING

SATURDAY 28 OCTOBER

7:00 AM - 8:00 AM	ACRM Program Committee Meeting (<i>by invitation only</i>)
-------------------	--

* = Interdisciplinary Special Interest Group

More meetings are being scheduled. See all the latest meetings in the ACRM app and here: ACRM.org/meetings17

There may have been schedule changes since this program printed. The Conference APP has the latest. ACRM.org/APP



PLENARY I

WED 25 OCT 4:30 – 6:30 PM



GARY R ULICNY, PHD, FACRM

President and CEO, GRU Healthcare

“Rehabilitation: Where are we now and where do we need to be?”

As professionals we tout the virtues and benefits of rehabilitation and we hear the term evidence based practice. However, if we take the time to evaluate where we are as a field it becomes clear that we have very little evidence to differentiate the outcomes of comprehensive rehabilitation from other venues. This presentation will focus on the current state of our science and is it enough to document our worth in a world that is hurtling towards demonstrating value — where have we gone wrong and what do we need to do to flourish in this new healthcare environment.

“Few are better qualified than Dr. Ulicny to tackle this critical issue and who better than ACRM to take



Gary’s challenge to pave a new path for rehab medicine and research to better serve our patients and their families.”

— Deborah Backus, PT, PhD, FACRM, Eula C. and Andrew C. Carlos MS Rehabilitation and Wellness Program at Shepherd Center

“Dr. Ulicny created a system focused on internal customer service for Shepherd employees by Shepherd employees that promotes better patient care and employee morale. He is legendary in rehabilitation and I can’t wait to hear him open the ACRM Conference this year.”



—Lynne S. Padgett, PhD, Strategic Director, Hospital Systems, American Cancer Society



PLENARY II

THU 26 OCT 8:15 – 9:30 AM



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”

It is widely recognized that our health care system does too much of some things, and too little of others. Learning what works and for whom — finding the true balance between benefit and harm — is the charge to the biomedical research enterprise. Negative findings are as important a product of evidence-based medicine as the positives. Two examples will be explored: care of the elderly and back pain management.



2016 ACRM Plenary speaker Pamela W. Duncan, PhD, PT, Wake Forest Baptist Health, Winston-Salem, NC

“ACRM membership allows one to really engage in clinical science and team science building. It’s the way research is going in the future, and ACRM really fosters that from all different disability perspectives.”

— Stephanie A. Kolakowsky-Hayner, PhD, CBIST, FACRM ICAHN SCHOOL OF MEDICINE, MT. SINAI



“The ACRM conference is the premier rehabilitation conference in the world with an outstanding mix of research and best practices, but also the opportunity to network with national and international leaders and contribute to the field of rehabilitation through the different task forces.”

—Lance E. Trexler, PhD, FACRM
DIRECTOR REHABILITATION NEUROPSYCHOLOGY,
REHABILITATION HOSPITAL OF INDIANA



PLENARY III FRI 27 OCT 8:15 – 9:30 AM



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

“Behavioral Clusters and Brain Network Mechanisms of Impairment and Recovery”

A long-held view is that stroke causes many distinct neurological syndromes due to damage of specialized cortical and subcortical centers. However, in recent studies on a large cohort of first time stroke subjects studied longitudinally at 2 weeks, 3 and 12 months, we showed that a few clusters of behavioral deficits spanning multiple functions explained neurological impairment. These clusters are stable across recovery indicating that they represent a stable solution to describe impairment. It has been also proposed that focal lesions cause remote physiological abnormalities, but the behavioral relevance of these changes vis-a-vis structural damage is unknown. In separate studies we measured resting functional connectivity fMRI (FC), lesion topography, and behavior in multiple domains (attention, visual memory, verbal memory, language, motor, and visual), and used machine-learning models to predict neurological impairment in individual subjects. We found that visual memory and verbal memory were better predicted by FC, whereas visual and motor impairments were better predicted by lesion topography. Attention and language deficits were well predicted by both. These results link key organizational features of brain networks to brain-behavior relationships in stroke.

“I am excited about Dr. Corbetta’s Plenary session. Dr. Corbetta’s cutting edge research is central to our understanding of the brain’s functional connectivity as a basis for neurologic recovery. His work provides new insights into brain-behavior relationships, and should inspire the development of novel, effective interventions for neurocognitive disorders after TBI and stroke.”

—Keith D. Cicerone, PhD, ABPP-Cn, FACRM, Director of Neuropsychology, JFK Johnson Rehabilitation Institute



“Maurizio’s work in brain connectivity and mechanism of neural recovery in stroke is inspired and visionary, steadily advancing the field of neuro-recovery and restoration; the Italian accented delivery of information makes it incredibly easy to digest!”

—Cristina Sadowsky, MD, Kennedy Krieger Institute and Johns Hopkins School of Medicine, Baltimore MD

PLENARY IV WED 25 OCT 4:30 – 6:30 PM



JOHN STANLEY COULTER AWARD RECIPIENT



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”

A persistent pattern of secondary health conditions experienced by people with spinal cord injury and other disabilities has received growing attention from rehabilitation researchers. With shortened lengths of stay and multiple secondary health conditions occurring at a very high frequency post-disability, the urgency to create a self-management health promotion hub for people with spinal cord injury (SCI) and other disabilities has taken on greater importance. Dr. Rimmer will discuss how Lakeshore Foundation empowers rehabilitation professionals to provide their patients with context-driven health and wellness recommendations needed to self-manage and sustain health throughout their lifetimes. The Foundation is a health/fitness facility and residential campus committed to serving people with SCI and other physical disabilities through innovative programs, policy, advocacy and research.

“For those rehabilitation researchers and clinicians working in the field of disability and exercise, Dr. Rimmer’s talk is a “must see.” His content applies to all serving people with disability.”

—Sue Ann Sisto, PT, MA, PhD, FACRM, School of Health Technology and Management, Stony Brook University



FEDERAL FUNDING OPPORTUNITIES & INITIATIVES FOR REHABILITATION

SAT 28 OCT
8:15 – 9:30 AM



ATTEND & HEAR ABOUT:

- › Funding priorities
- › The current funding climate
- › Where gaps & opportunities are
- › Where the money is
- › Their vision for the future

Every year there are changes — hear the latest here...



PRESENTERS:

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

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

ANN M. DELLINGER, PHD, MPH Branch Chief, Home, Recreation and Transportation Safety Branch, Division of Unintentional Injury Prevention, CDC Injury Center

PATRICIA DORN, PHD Department of Veterans Affairs

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



Learn about emerging changes in health care policy and the current funding climate in Washington that may impact your research agenda and future access to rehabilitation services.

This presentation will focus on the current portfolio of rehabilitation research across NIH, the focus of research funded by NCMRR, and major advances from the portfolio over the past five years. Opportunities for funding, mechanisms by which researchers can gain support for their research projects or training needs, and resources that may be of assistance to researchers in the field will be presented. Finally, the presentation will include an overview of the goals for rehabilitation research that will become part of a Rehabilitation Research Plan for the National Institutes of Health and the process by which inputs to that plan will be solicited.

While the transition from NIDRR to NIDILRR creates a world of opportunity, an environment of fiscal austerity and rapidly evolving health policy continues to present challenges. What does the future hold for individuals with disabilities, the rehabilitation research community, and the agencies that fund them?

“ Dr. Cernich has garnered recognition, support and enthusiasm for rehabilitation research across the NIH — our field couldn’t ask for a better advocate; she is determined to advance rehabilitation science. ”

—Kristen Dams-O’Connor, PhD, Mount Sinai Brain Injury Research Center, New York, NY



“ No other organization offers this rare opportunity to meet with and learn from the NCMRR Director about her vision for rehabilitation research. Like last year, this will be an extraordinary session. ”



—Stephen Page, OTR/L, PhD, MS, FAHA, FACRM, The Ohio State University

REGISTER NOW!

ACRM.org

or

+1.703.435.5335

SAVE BIG!

EARLY BIRD RATES END SOON

Registered yet?

TBI & CLINICAL TRIALS

SAT 28 OCT
8:15 – 9:30 AM**DONALD G STEIN, PHD**

Asa G Candler Professor, Emory University

“What Have we Learned About Treating Brain Injuries From the Repeated Failures TBI Clinical Trials?”

Clinical trials for treatments for traumatic brain injury (TBI) have a 100 percent failure rate. These failures are due in part to gaps between the methods of preclinical research and those of clinical researchers. Other issues are related to clinical trial design and execution. I will discuss the problems with particular reference to the failure of the progesterone trials for TBI, and suggest some considerations that might help to guide our way forward to more successful translation of research and more productive clinical trials.

“Dr. Stein is an absolute treasure! Phenomenal speaker, mentor, friend of ACRM!”

—Mark A. Hirsch, PhD, Sr. Scientist, Carolinas Rehabilitation Director, Carolinas Department of Physical Medicine and Rehabilitation Core Laboratory; Director, Resident Research Education (PM&R) Dept of Physical Medicine and Rehabilitation, Carolinas Medical Center; Adjunct Associate Professor & Associate Graduate Faculty, UNCC; Chair-Elect, Neurodegenerative Diseases Networking Group, ACRM



CME / CEUs
...Come & get 'em

More than any other conference in the world

EARN UP TO **44 CREDITS** IN YOUR CHOICE OF 15 DISCIPLINES







OFFERING CME / CEUs FOR 15 DISCIPLINES*

1) Case Managers (CCMC), 2) Dietitians (CDR), 3) Disability Management Specialists (CDMS), 4) Health Care Executives (ACHE), 5) Licensed Clinical Professional Counselors (NBCC), 6) Nurses (ANCC), 7) Occupational Therapists (AOTA), 8) Physical Therapists (FSBPT), 9) Physicians and Non MD CME (ACCME), 10) Physician Assistants (ACCME), 11) Psychologists (APA Division 22 Accreditation), 12) Rehabilitative Counselors (CRCC), 13) Social Workers (NASW), 14) Speech-Language Professionals (ASHA), 15) Texas Physical Therapists (Texas Physical Therapy Association)

*Did you know that is more than any other conference in the world?

More about CME/CEUs: www.ACRM.org/credits



<p>WED CONCURRENT SESSIONS BLOCK 1 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>THU CONCURRENT SESSIONS BLOCK 2 10:30 AM – 11:45 AM</p>	<p>Cultural Considerations and Impacts for Individuals with TBI (Tamara Bushnik, Angelle Sander, Marlene Vega) #297335 BI</p>	<p>Mark Ylvisaker Lecture: Social Communication in Adolescents with BI: What would Mark do? (Lyn Turkstra, PhD, McMaster University) #332395 PED, BI See more page 36</p> 	<p>From Bench to Bedside: Factors Influencing Successful Implementation of Cognitive Rehabilitation Interventions (L. Swan, C. Carter, A. Groff, V. Mykkelvert, 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>MILITARY / VETERANS AFFAIRS MIL 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>CONCURRENT SESSIONS BLOCK 3 1:45 PM – 3:00 PM</p>						
<p>BRAIN INJURY  INTERDISCIPLINARY SPECIAL INTEREST GROUP</p>		<p>THU 12:00 - 1:30 PM BI-ISIG SUMMIT Open to all CHAUTAUQUA "My Personal Experience is Better Than Your Evidence: Knowledge Translation and Implementation Challenges in BI" #336155</p>				
<p>CONCURRENT SESSIONS BLOCK 4 5:00 PM – 6:15 PM</p>	<p>SPECIAL SYMPOSIUM #301438 BI, CP "Treating Fatigue And Sleep Disturbance Following Traumatic Brain Injury" JENNIE PONSFORD, BA (Hons), MA, PhD, Professor of Neuropsychology and Director, Monash Epworth Rehabilitation Research Centre, Monash University</p>		<p>The Clubhouse Model (David Burke, Emory University) #304953 BI Vocational rehabilitation</p>	<p>Post-traumatic Confusional State: A Case Definition (Mark Sherer, TIRR Memorial Hermann; Douglas Katz, Boston University School of Medicine, Boston University Neurology Associates, HealthSouth Braintree Rehabilitation Hospital; Rehab Yelena Bodien, Spaulding Rehabilitation Hospital) #288467 BI, CP</p>	<p>Perspectives on Community Reintegration of Veterans and Service Members with TBI: Clinical Practice Implications (Gail Powell-Cope, Bridget Hahm, Christina Dillahunt-Aspillaga, Jason Lind, Angelle Sander, Christine Melillo, Karen Besterman-Dahan, Kiersten Downs, Nicole Antinori) #288547 BI, MIL</p> 	
<p>FRI CONCURRENT SESSIONS BLOCK 5 10:30 AM – 11:45 AM</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, 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>CONCURRENT SESSIONS BLOCK 6 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 CROSSTAGGED</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, Barbra 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 Hoffecker, Lauren Terhorst, Xiaolei Hu, Marianne Mortera, Shilpa Krishnan, Trudy Mallinson, Patricia Heyn) #289738 MES, BI, MIL CROSSTAGGED</p> 
<p>TIME DEVOTED TO EARLY CAREER PROFESSIONALS <i>Check out these Early Career Stars...</i></p>						
<p>SAT CONCURRENT SESSIONS BLOCK 7 9:45 AM – 11:00 AM</p>	<p>NIDILRR ART Fellows Oral Presentation #334312 Details online & in the App</p>		<p>CLDR-Sponsored Young Investigators Panel: Secondary Analysis of Archived Datasets #297175 CC</p>		<p>Deborah L Wilkerson Early Career Award Winner: Emily Nalder (Oral Presentation) See more page 37 & more online: ACRM.org/onlineprogram</p>	
<p>CONCURRENT SESSIONS BLOCK 8 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>SPECIAL SYMPOSIUM #334313 "Updates in Chronic Traumatic Encephalopathy" ANN MCKEE, MD, Director, CTE Center; Professor, Boston University/VA Medical Center</p> 	
<p>CONCURRENT SESSIONS BLOCK 9 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 DISCOVER more at ACRM.org/bicontent</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 & 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> 

CHAUTAQUA “My Personal Experience is Better Than Your Evidence: Knowledge Translation and Implementation Challenges in BI” #336155

MODERATOR: John Corrigan, PhD, FACRM



PRESENTERS: John Banja, PhD; Mark Bayley, MD, FRCPC and Larissa Swan, MS, OTR

In this interactive session, the presenters will lead a thought-provoking discussion about impediments to translation and implementation of brain injury research and share their experiences with these efforts, focusing on potential solutions and strategies to overcome the barriers to advancing evidence-based care.

SPECIAL SYMPOSIUM “Treating Fatigue And Sleep Disturbance Following Traumatic Brain Injury” #301438 **JENNIE PONSFORD, BA (Hons), MA, PhD**, Professor of Neuropsychology and Director, Monash Epworth Rehabilitation Research Centre, Monash University
Despite the fact that fatigue and/or sleep disturbance are reported by up to 70 percent of individuals with moderate to severe traumatic brain injury (TBI), there is still limited understanding of their causes as well as a lack of evidence-based treatments. This symposium will present findings from studies of fatigue and sleep disturbance following TBI in order to shed light on possible causative factors, which include factors relating to the brain injury, including cognitive impairments and reduced melatonin production and the injured individual’s psychological problems with depression anxiety and pain. Based on these findings our research group has developed and evaluated three treatments for fatigue and sleep disturbances: Light therapy, cognitive-behavioural therapy and melatonin. Findings from recently completed randomized controlled trials of these treatments will be presented.

“I was thrilled to learn Dr. McKee would be joining us at ACRM this year. Her program of research is informing opportunities for detection, management and prevention of brain injury, which is highly relevant to rehabilitation professionals.”

—Kristen Dams-O’Connor, PhD

MILITARY / VETERANS AFFAIRS NETWORKING GROUP

Don’t miss this Networking Group Meeting
THU 26 OCT 7:00 - 8:00 AM

This group builds bridges to close the gaps between the rehab science, non-government ACRM members and VA personnel all working for IMPROVING LIVES and addressing the specific needs of rehab in the military. Connect with this group and meet them in Atlanta and discover opportunities for leadership and task force involvement.

SEE MORE MILITARY CONTENT:

www.ACRM.org/MILcontent



BRAIN INJURY



INTERDISCIPLINARY SPECIAL INTEREST GROUP

BI-ISIG EXECUTIVE COMMITTEE

CHAIR

Jennifer Bogner, PhD, ABPP-Rp, FACRM

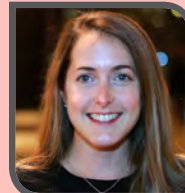
Ohio Valley Center for Brain Injury Rehabilitation and Prevention, Ohio State University, Columbus, OH



CHAIR-ELECT

Kristen Dams-O’Connor, PhD

Mount Sinai Brain Injury Research Center, New York, NY



PAST-CHAIR

Donna Langenbahn, PhD, FACRM

Rusk Rehabilitation, NYU Langone Medical Center, New York, NY



TREASURER

Alan Weintraub, MD

Craig Hospital, Englewood, CO



SECRETARY

Tessa Hart, PhD, FACRM

Moss Rehabilitation Research Institute Elkins Park, PA



EARLY CAREER OFFICER

Monique Pappadis, PhD

University of Texas Medical Branch – Galveston, Galveston, TX



COMMUNICATIONS CHAIR & INTERNATIONAL NETWORKING LIAISON (EX-OFFICIO)

Kristine Kingsley, PsyD, ABPP-Rp

Rusk Rehabilitation, NYU Langone Medical Center, New York, NY



PROGRAM/AWARDS CHAIR

Dawn Neumann, PhD

Indiana University School of Medicine Indianapolis, IN



WED CONCURRENT SESSIONS BLOCK 1 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
THU CONCURRENT SESSIONS BLOCK 2 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	Exercise and Cardiometabolic Health in Spinal Cord Injured Humans • Time to Raise the Intensity? (James Bilzon, Mark Nash, Tom Nightingale) #289691 SCI, POL, CP	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 BLOCK 3 1:45 PM – 3:00 PM	Experimental Approaches to Enhance Physiological Function after Spinal Cord Injury (Hannah Mercier, Christopher Minson, Randy Trumbower, J. Andrew Taylor) #312775 SCI	Comparison of SCI Patient Outcomes Based on Amount of Recreation Therapy Received During Inpatient Rehabilitation (Team from Shepherd Center: 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 BLOCK 4 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
FRI CONCURRENT SESSIONS BLOCK 5 10:30 AM – 11:45 AM	<p style="text-align: center;">SPECIAL SYMPOSIUM</p> <p style="text-align: center;">STEVEN KIRSHBLUM, Senior Medical Officer and Director of SCI, Chair of PM&R and Research Professor, Kessler Institute for Rehabilitation and Rutgers New Jersey Medical School</p> <div style="text-align: center;">  </div> <p style="text-align: center;">Dr. Kirshblum will also be doing a lecture luncheon THU 12:00 – 1:30 PM <i>only \$69</i>  <i>Get your ticket before this sells out</i></p> 		
CONCURRENT SESSIONS BLOCK 6 2:30 PM – 3:45 PM	Data Sharing in Rehabilitation research: Accessing National Spinal Cord Injury Database and SCIRehab 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	
SAT CONCURRENT SESSIONS BLOCK 7 9:45 AM – 11:00 AM	PAPER SESSIONS 		
CONCURRENT SESSIONS BLOCK 8 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 BLOCK 9 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	

Lecture Luncheon Featuring STEVEN KIRSHBLUM

“Controversies in SCI Care and Research”

Register now before this sells out!

THU 12:00 – 1:30pm
only \$69 



SESSION DETAIL

Following upper motor neuron injury (i.e. SCI, MS, acquired BI and cerebral palsy), spasticity can diminish an individual’s quality of life. Given that spasticity can manifest in an array of clinical presentations, including hyperreflexia, hypertonia, and clonus, treatment can often be challenging and fail to effectively manage all symptoms. Research has provided new insight into the characterization and management of spasticity, indicating that interventions targeting spinal and supraspinal mechanisms hold the potential to be both clinically accessible and effective.

DISCOVER more at ACRM.org/scicontent




FACULTY AND SESSIONS ARE CURRENTLY BEING CONFIRMED AND ARE SUBJECT TO CHANGE. SIGN UP FOR THE EMAIL LIST TO BE NOTIFIED AS INFORMATION BECOMES FINALIZED. REGISTER NOW AT EARLY BIRD RATES: ACRM.org/register

“ACRM and SCI-ISIG have become a family to me, where I find loving support, unprecedented opportunities to grow, and exceptional partnership in pursuing academic dreams”

— Yuying Chen —

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

LECTURE LUNCHEON THU 12:00 – 1:30 PM 
“A View of the Past, Present and Future of SCI Care and Research”

This talk will review a history of spinal cord injury medicine, current leading areas of excitement and concern in SCI care and research, and offer a vision for the future.

SPECIAL SYMPOSIUM FRI 10:30 AM – 11:45 AM
“Controversies in SCI Care and Research”

This talk will tackle specific controversies specific to current SCI care and research directions with the goal to encourage thought, offer a greater understanding of what and why we do what we do and study, and what we need to consider moving forward. This will be followed by panelists offering their thoughts on these areas.


PARTICIPATE **JOIN THE ACRM**
SCI-ISIG Business Meeting

FRI 7:00 AM – 8:00 AM

“I feel fortunate to be a part of the ACRM community and grateful for the many opportunities it provides for leadership, professional growth, and collaboration.”

— Jeanne M. Zanca —



SPINAL CORD INJURY INTERDISCIPLINARY SPECIAL INTEREST GROUP

SCI-ISIG EXECUTIVE COMMITTEE



CHAIR

Yuying Chen, MD, PhD

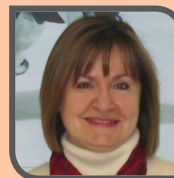
Associate Professor & Director
University of Alabama at
Birmingham, Birmingham, AL



CHAIR-ELECT

Jeanne Zanca, PhD, MPT

Senior Research Scientist
Kessler Foundation, West Orange,
NJ



PAST-CHAIR

**Susan Charlifue, PhD, FISCOs,
FACRM**

Senior Principal Investigator
Craig Hospital, Englewood, CO



TREASURER

Ceren Yazar-Fisher, PT, PhD

Assistant Professor of Physical
Medicine and Rehabilitation,
University of Alabama at
Birmingham, Birmingham, AL



SECRETARY

Denise Fyffe, PhD

Research Scientist, Kessler Institute
for Rehabilitation, West Orange, NJ



EARLY CAREER OFFICER

Swati Mehta, PhD

Research Associate,
Parkwood Institute



COMMUNICATIONS OFFICER

**Sue Ann Sisto, PT, MA, PhD
FACRM**

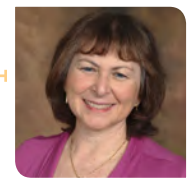
Professor of PT & Research Director,
School of Health Technology &
Management, Stony Brook University

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, Constant therapy; David Poskanzer, Constant therapy; Mary Borelli, Patient perspective; Swathi Kiran, Boston University) #304544 ST, TEC, BI Constant Therapy is an evidenced based mobile application for language and cognition being used with clinicians in treatment and at home by clients.		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, 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 Toglia, Abhishek Jaywant, Andrea Mastrogiovanni, Amy Meyer) #294704 ST, CP	Introduction to an Interdisciplinary Approach to Aphasia Treatment (Christina del Toro, Michelle Armour, Ellayne Ganzfried, Michelle Lee) #291745 ST	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	HOT TOPICS IN STROKE: STROKE REHABILITATION #302294 ST ROBERT TEASELL , MD, FRCP (see Dr. Teasell above / Block 2)	Ensuring Inpatient Rehabilitation Facility Relevance Through Efficiency and Effectiveness (Brian Theodore, Ann Perkins, Michelle Camicia) #300604 ST, BI	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	
FRI CONCURRENT SESSIONS BLOCK 5 10:30 AM – 11:45 AM	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
CONCURRENT SESSIONS BLOCK 6 2:30 PM – 3:45 PM	 SPECIAL SYMPOSIUM #333769 “Emerging Technologies for Stroke Rehabilitation: Toys or Tools?” STEVEN L WOLF , PHD, 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, MossRehab) #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  @ACRMstroke			

SESSION DETAIL

The objective of this symposium is to present recent findings from research studies involving neuroplasticity and neuro-modulation targeted toward lower limb and gait rehabilitation. The symposium will include presentations on animal studies elucidating plasticity and organization of locomotor circuitry, the use of transcranial magnetic stimulation (TMS) to evaluate corticospinal neuroplasticity post-stroke, TMS as a tool to modulate lower limb corticomotor excitability post-stroke, and operant conditioning to modulate cortical excitability. The symposium will include a discussion forum with the audience about implications of the research concepts presented for neuro-rehabilitation clinicians.

“Progress in Aphasia Rehabilitation Research: A Personal Perspective”



Scientific Chair:
 Think & Speak Lab and Professor, Physical Medicine & Rehabilitation and Communication Sciences & Disorders; Shirley Ryan AbilityLab (formerly the Rehabilitation Institute of Chicago) and Northwestern University



HOT TOPICS IN STROKE: STROKE REHABILITATION: #302294

ROBERT TEASELL, MD, FRCP

The evidence for stroke rehabilitation is impressive when compared with other rehab diagnostic entities, with close to 2,000 RCTs. Although the quality of RCTs has been steadily improving over time the number of subjects per RCT remains unchanged and studies with a small number of subjects is still very common. Recovery from stroke is complex and recovery trajectories depend on a number of factors, the most important being stroke severity although it is also influenced by the time to onset of rehabilitation, therapy intensity and specialized stroke rehabilitation units. Focus will be identification of how stroke rehabilitation evidence can be used to maximize stroke rehabilitation outcomes.

ACRM Community Groups are looking for members like you. To help move rehabilitation forward. **CONNECT with these groups in Atlanta.** Meanwhile, connect with them virtually — visit their web pages, email the chairs, sign-up for listservs, get involved and make your mark. You are welcome and wanted here. **ACRM COMMUNITIES...**
See: ACRM.org/meetings17

Join us. Be moved.



SPECIAL SYMPOSIUM #333769
“Emerging Technologies for Stroke Rehabilitation: Toys or Tools?”

STEVEN L WOLF, PHD, PT, FAPTA, FAHA

This seminar will feature several engineers who will dialogue on developing technologies, their relevance and application to the rehabilitation of stroke survivors, and the environments in which they can be best used. Opportunities will be provided for engaging questions and answers with attendees.

MORE: www.ACRM.org/STcontent



STROKE  **INTERDISCIPLINARY SPECIAL INTEREST GROUP**

STROKE ISIG EXECUTIVE COMMITTEE



< **CHAIR**

Pam Roberts, PhD, OTR/L, SCFES, FAOTA, CPHQ, FNAP, FACRM



PAST-CHAIR >

Stephen Page, PhD, MS, OTR/L, FAHA, FACRM



< **ADVISOR**

Phil Morse, PhD, FACRM



SECRETARY >

Jaclyn Schwartz, PhD, OTR/L



< **MEMBERSHIP OFFICER**

Mark Kovic, OTD, OTR/L, FAOTA



COMMUNICATIONS > OFFICER

Heather Peters, MOT, OTR/L



< **EARLY CAREER OFFICER**

Carmen Enid Capo-Lugo, PT, PhD



MEMBER-AT-LARGE >

Marlene Vega, PsyD

< **MEMBER-AT-LARGE**

Kristen L. Mauk, PhD, DNP, RN, CRRN, GCNS-BC, GNP-BC, FAAN

INTERNATIONAL > NETWORKING GROUP LIAISON

Katharina Sunnerhagen, MD, PHD

PARTICIPATE  **JOIN THE ACRM STROKE ISIG**

Stroke ISIG Business Meeting: THU 7:00 AM - 8:00 AM
See Stroke ISIG task force meetings page 17

<p>WED CONCURRENT SESSIONS BLOCK 1 1:30 PM – 2:45 PM</p>	<p>Cancer Care Competencies Across the Rehabilitation Disciplines (Sara Christensen Holz, University of Wisconsin School of Medicine and Public Health; Brent Braveman, MD Anderson Cancer Center; Lisa VanHoose, University of Central Arkansas) #294072 CAN, CP This symposium will focus on the development and integration of core competencies in oncology rehabilitation</p>		<p>The Feasibility of Providing Occupational Therapy via Telehealth in a Breast Cancer Recovery Program (Jennifer Hayter, City of Hope National Medical Center) #317946 CAN, TEC</p>
<p>THU CONCURRENT SESSIONS BLOCK 2 10:30 AM – 11:45 AM</p>	<p>Update in Cancer Prehabilitation and Rehabilitation: New Research, Guidelines, and Practice Recommendations (Vishwa Raj, Julie Silver, Ashish Khanna) #294306 CAN</p>	<p>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</p>	<p>Pre-operative Evaluation and Education (PREE-hab) of Patients with Breast Cancer (Michael Stubblefield, Melissa Thess, Stacey Mayo) #299950 CAN, CP, PAIN</p>
<p>CONCURRENT SESSIONS BLOCK 3 1:45 PM – 3:00 PM</p>	<p>Inpatient Cancer Rehabilitation: Considerations for Delivery of Care (Terrence Pugh, Vishwa Raj, Jack Fu, Sarah Sangermano) #297284 CAN, CP</p>	<p>Best Practice: The Role Of Cancer Rehabilitation In The Treatment of Gynecological Cancers (Nasim Chowdhury, Eloise Chapman-Davis) #296413 CAN, CP</p>	<p>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</p>
<p>CONCURRENT SESSIONS BLOCK 4 5:00 PM – 6:15 PM</p>	<div style="display: flex; align-items: center; justify-content: space-between;">  <div style="text-align: center;"> <p>SPECIAL SYMPOSIUM & AWARD LECTURE: MICHAEL STUBBLEFIELD, MD Director of Cancer Rehabilitation, Kessler Institute for Rehabilitation West Orange campus</p> </div>  </div>		
<p>FRI CONCURRENT SESSIONS BLOCK 5 10:30 AM – 11:45 AM</p>	<p>Lifestyle Factors That can be Protective for Cancer-Related Cognitive Impairment (Arash Asher, Cedars-Sinai Medical Center; Kathleen Van Dyk, UCLA, Jonsson Comprehensive Cancer Center, Semel Institute; Robin Newman, Boston University; Jessica Engle, Adventist HealthCare Physical Health and Rehabilitation; Lynne Padgett; American Cancer Society) #297442 CAN, CP</p>	<p>Delivery of Cancer Rehabilitation Services to an Underserved Population (Yevgeniya Dvorkin Winingar, Barbra Tingley) #284717 CAN</p>	
<p>CONCURRENT SESSIONS BLOCK 6 2:30 PM – 3:45 PM</p>	<p>Cancer Rehabilitation Efforts to Develop Tools for Referral Screening and Patient Assessment (Jack Fu, University of Texas M.D. Anderson Cancer Center; Catherine Alfano, American Cancer Society; Timothy Marshall, School of Physical Therapy, Kean University; Mackenzi Pergolotti, Colorado State University; Alix Sleight, National Cancer Institute; Samman Shahpar, Rehabilitation Institute of Chicago) #281722 CAN, CP</p>	<p>Current Cancer Rehabilitation Guidelines (Sara Holz, University of Wisconsin School of Medicine and Public Health; Lynne Padgett, American Cancer Society; Jennifer Hayter, City of Hope National Medical Center; Carrie Riddock, Bon Secours Sports Medicine & Physical Therapy) #292014 CAN, CP</p>	
<p>SAT CONCURRENT SESSIONS BLOCK 7 9:45 AM – 11:00 AM</p>	<p style="text-align: center;">PAPER SESSIONS</p> 		
<p>CONCURRENT SESSIONS BLOCK 8 11:30 AM – 12:45 PM</p>	<p>Improving the Performance Status of Stem Cell Transplant Patients Along the Continuum of Care (An Ngo-Huang, University of Texas MD Anderson Cancer Center; Brent Braveman, MD Anderson Cancer Center) #314005 CAN</p>	<p>Prospective Surveillance Model (Shana Harrington, Nicole Stout, Mary Fisher) #295707 CAN</p>	
<p>CONCURRENT SESSIONS BLOCK 9 1:00 PM – 2:15 PM</p>	<p>Delivering on the Promise of Person-Centered Care: Putting People at the Heart of Healthcare (Rebecca Kirch, National Patient Advocate Foundation; Terrence Pugh, Carolinas HealthCare System; Lynne Padgett, American Cancer Society) #300631 CAN</p>	<p>Oncology Rehabilitation in Leukemia, Lymphoma, & Myeloma: From Diagnosis Through Bone Marrow Transplant (Suzanne Taylor, William Carter) #313784 CAN, CP</p>	



 @ACRMCancerRehab


“ Dr. Stubblefield is an internationally renowned expert in cancer rehabilitation. He has led many important initiatives to advance the field.”
— Julie Silver

“ Dr. Stubblefield has been a leader in the area of cancer rehabilitation for over a decade. His academic work and clinical growth has helped to place cancer rehabilitation at the forefront of care for both the rehabilitation and oncology communities.”
— Vishwa S. Raj

SESSION DETAIL

There are multiple barriers in delivering cancer rehabilitation services to an underserved population that rehabilitation professionals must be aware of to be able to overcome them by taking advantage of community resources, very close follow up and persistent encouragement in order to provide the most comprehensive cancer rehabilitation care in this growing and in need population of patients.

REGISTERED YET?

REGISTER: ACRM.org
or
 +1.703.435.5335

MORE:
www.ACRM.org/CANcontent



2017 ACRM Distinguished Lecturer in
Cancer Rehabilitation and Survivorship Care:
Michael Stubblefield, MD

Dr. Michael D. Stubblefield is the former Chief of Cancer Rehabilitation at Memorial Sloan-Kettering Cancer Center. He now serves as Medical Director of Cancer Rehabilitation at Kessler Institute for Rehabilitation, and National Medical Director of Cancer Rehabilitation at Select Medical Corporation. He is board certified in Physical Medicine and Rehabilitation (PM&R), Internal Medicine, and Electrodiagnostic Medicine. His primary clinical expertise is in the identification, evaluation, and rehabilitation of neuromuscular, musculoskeletal, pain, and functional disorders resulting from cancer and its treatment, particularly those caused by radiation and neurotoxic chemotherapy.

Dr. Stubblefield is an accomplished researcher who has published extensively, not only in the rehabilitation literature, but in oncology, pain management, palliative care, neurophysiology, and other journals. He has authored numerous review articles and book chapters in the field of cancer rehabilitation and is the senior editor of *Cancer Rehabilitation: Principles and Practice*, the only comprehensive textbook in this emerging field. Dr. Stubblefield has served on the Board of the American Association of Neuromuscular and Electrodiagnostic Medicine and as Chair of the Medical Council of the American Association of Physical Medicine and Rehabilitation. He is on the editorial board of the journal *Muscle and Nerve*. Dr. Stubblefield is a fierce advocate for the development of cancer rehabilitation and survivorship programs and champions their role in restoring function and quality of life to cancer patients.

2017 Excellence in Cancer Rehabilitation Award
Winner: **Nicole Stout, PhD**

“Thank you so much! This is so exciting!!!
I am beyond humbled by this.”

“We encourage you to get involved with our work at ACRM and make a difference in the future of cancer rehabilitation”

— Nicole Stout, PT, DPT, CLT-LANA, Partner, 3e Services LLC, Alexandria, VA



STROKE ISIG EXECUTIVE COMMITTEE



CO-CHAIR
Julie Silver, MD

Associate Professor, Harvard Medical School, Department of Physical Medicine & Rehabilitation, Boston, MA



CO-CHAIR
Vish Raj, MD

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



SECRETARY
Brent Braveman, PhD OTR/L FAOTA

Director of Rehabilitation Services MD Anderson Cancer Center Houston, TX



COMMUNICATIONS OFFICER
Ashish Khanna, MD

Fellow, Medstar Georgetown University/ National Rehabilitation Hospital, Cancer Rehabilitation Department Washington, DC

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 see page 13. Connect with the CRNG on Twitter @ACRM-cancerRehab and don't miss the Cancer Rehabilitation Networking Group Membership Meeting WED 12:00 PM - 1:30 PM.

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

Functional Plasticity in Neurorehabilitation of Stroke Survivors: Findings and Clinical Implications (Steven Wolf, Emory University School of Medicine; Department of Rehabilitation Medicine; Division of Physical Therapy, Lynne Gauthier, Michael Borich) #289922 NP, ST

THU
CONCURRENT SESSIONS
BLOCK 2
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
BLOCK 3
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
BLOCK 4
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

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

SPECIAL SYMPOSIUM
#304380 NP, CC
“Plasticity and Rehabilitation in Focal Hand Dystonia”
MARK HALLET, MD,
Chief, Human Motor Control Section,
NINDS, NIH, NINDS



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

Exploring mechanisms for alcohol abuse after TBI (Amy Herrold, John Corrigan, Alana Conti) #291889 NP, BI, CC



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

PAPER SESSIONS



CONCURRENT SESSIONS
BLOCK 8
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

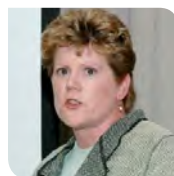
CONCURRENT SESSIONS
BLOCK 9
1:00 PM – 2:15 PM

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

MORE:
www.ACRM.org/NPcontent



CO-CHAIR:



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

CO-CHAIR:



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

Stay tuned for info on the **Neuroplasticity Lecture Luncheon**

THU 12:00 – 1:30pm only \$69

SESSION DETAIL

CNS plasticity is maintained within bounds and this is abnormal in patients with focal hand dystonia. Using functional magnetic resonance imaging (fMRI), we have evaluated writing and other tasks in normal subjects and patients with writer’s cramp. In normal subjects when writing, there is selective activation of two regions, one in ventral premotor cortex and another in the parietal lobe, and there is strong connectivity between these two regions when writing. In patients this is impaired. If the abnormality arises from a plastic change, perhaps rehabilitation using repetitive good movements coupled with non-invasive brain stimulation can reverse the disorder.

“Dr. Hallett is a world-class neurologic researcher, clinician, scholar and kind mentor to many in the international rehabilitation community, and I feel extremely fortunate that the ACRM community has the opportunity to welcome him to Atlanta.”

—Mark A. Hirsch, PhD, Sr. Scientist, Carolinas Rehabilitation Director, Carolinas Department of Physical Medicine and Rehabilitation Core Laboratory; Director, Resident Research Education (PM&R) Dept of Physical Medicine and Rehabilitation, Carolinas Medical Center; Adjunct Associate

PARTICIPATE **JOIN THE ACRM Neuroplasticity Networking Group Meeting**

FRI 27 OCT 4:00 – 5:00 PM



WED CONCURRENT SESSIONS BLOCK 1 1:30 PM – 2:45 PM	Motor and Neurobehavioral Rehabilitation Approaches in Amyotrophic Lateral Sclerosis (Michele York, Mohammed Sanjak) #295848 ND 
THU CONCURRENT SESSIONS BLOCK 2 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 BLOCK 3 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 BLOCK 4 5:00 PM – 6:15 PM	"Women in Rehabilitation Science: Impact Lives, Foster Innovation, Cultivate Change" Featuring KEYNOTE SPEAKER: PAMELA DUNCAN (Mark Hirsch, Cassandra L. Herman, Sandra Kletzel, Patricia C. Heyn, Michele K. York) #305989 ND, CC 
FRI CONCURRENT SESSIONS BLOCK 5 10:30 AM – 11:45 AM	Internally and Externally Guided Movement in Individuals With Neurodegenerative Disease (Madeleine Hackney, Keith McGregor) #299810 ND, NP, AN
NEURODEGENERATIVE DISEASES LECTURE LUNCHEON 12:00 AM – 1:30 PM only \$69 	Neurodegenerative Diseases Lecture Luncheon featuring Erwin E.H. van Wegen, PhD Associate Professor, Amsterdam University "Moving Towards Patient Centered Neurodegenerative Diseases Research: European and USA Comparisons"
CONCURRENT SESSIONS BLOCK 6 2:30 PM – 3:45 PM	The Exercise • Cognition Interaction in Individuals with Parkinson's Disease (Madeleine Hackney, Emory University School of Medicine; Joe Nocera, Emory University School of Medicine and Atlanta Department of Veterans Affairs RR&D, Center for Visual and Neurocognitive Rehabilitation; Ergun Uc, University of Iowa, Carver College of Medicine; Marcas Bamman, University of Alabama at Birmingham) #293055 ND, GER, NP
SAT CONCURRENT SESSIONS BLOCK 7 9:45 AM – 11:00 AM	PAPER SESSIONS 
CONCURRENT SESSIONS BLOCK 8 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 BLOCK 9 1:00 PM – 2:15 PM	Brain Power: How Exercise Improves Cognitive Performance (Patricia Heyn, Joe Nocera, Shilpa Krishnan, Mark Hirsch) #328544 ND, GER, NP

DETAILS:
www.ACRM.org/NDcontent



NEURODEGENERATIVE NETWORKING DISEASES GROUP

CHAIR:



PATRICIA HEYN, PHD, FACRM
 University of Colorado
 Anschutz Medical Campus,
 Denver, CO

CHAIR-ELECT:



MARK HIRSCH, PHD
 Carolinas Rehabilitation
 Carolinas HealthCare System, Charlotte, NC

PAST CHAIR & ACRM President-elect:



DEBORAH BACKUS, PT, PHD, FACRM
 Shepherd Center,
 Atlanta, GA

PARTICIPATE JOIN THE ACRM Neurodegenerative Diseases Networking Group Business Meeting


THU 26 OCT 7:00 AM – 8:00 AM

SESSION DETAIL

In the last two decades, growing interest has been generated in better understanding motor-cognitive integration and the effects exercise has upon cognition in healthy older adults as well as adults with Parkinson's disease (PD). While PD has traditionally been considered a "movement" disorder, multiple systems are affected, compromising neurotransmitter systems and also encompassing cognitive, mood, and motivational systems. We will briefly summarize the current research landscape and explore possible mechanisms by which exercise may affect cognition in those with PD. This session will include interactive discussion with participants.

SESSION DETAIL

WORKGROUP STYLE: Promising interventions and emerging scientific rehabilitation opportunities for neurodegenerative disease will be discussed by senior researchers in a roundtable format. Junior level scientists and clinical professionals will especially benefit from this format that will foster mentor-mentee interactions and opportunities. Each roundtable will have an expert mentor facilitating the discussion on a specific neurodegenerative condition (i.e. Parkinson's, Alzheimer's, Multiple Sclerosis, ALS). Attendees will be able to participate in lively informal and interactive conversations related to their topic and areas of interest.

REGISTER: ACRM.org
 or
 +1.703.435.5335

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

Cochrane Rehabilitation: Building a Bridge Between Research Evidence and Clinical Practice (William Leveck, University of Otago Wellington; Keith Cicerone, JFK Johnson Rehabilitation Institute) #304312 INT, BI, CP
The symposium will present the work and values of Cochrane Rehabilitation, present information on how to make best use of Cochrane resources, debate the challenges of evidence synthesis in rehabilitation research, and discuss the future of evidence-based practice in clinical rehabilitation.

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

Cardiovascular Risk, Mediterranean Diet and Cognitive Decline (Fofi Constantinidou, Elena Philippou, Michalis Michaelides) #328575 INT, GER
The Mediterranean Diet (MD) is a plant-based diet characterized by high consumption of legumes, unrefined cereals, fruit and vegetables and olive oil, moderate consumption of dairy products, fish and wine, but low meat consumption has been linked to improved cognitive function. We will discuss recent evidence from RCTs on MD and cognition. We will conclude with our findings using SEM analysis on the moderating role of metabolic syndrome and cognitive performance in a large cohort sample (n > 600) over 60, part of the Neurocognitive Study on Aging conducted in Cyprus, a Mediterranean country with high levels of adherence to MD.

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

WORLD-CLASS CONTENT
COMING SOON

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

BRUCKER INTERNATIONAL SYMPOSIUM
“The Refugee Crisis in Greece and The Response of Mental Health Professional Community” **Maria Vlassopoulos**, Assistant Professor of Language and Communication Pathology, 1st Psychiatric Department University of Athens School of Medicine, Athens, Greece
Studies have shown that the refugee experience potentially has such adverse effects that a mental health delivery system in refugee camps is imperative. In most cases, these services are provided by social workers, nurses, and other mental health personnel, such as psychiatrists or psychologists. Although at some level cooperation between the different humanitarian groups, NGOs and other agencies may be present, each service provider answers to his/ her respective agency and there may not be an overall plan for the operation of these programmes. This lack of leadership may result in fragmentation and poor coordination. Further barriers to treatment are, amongst others, poor working conditions, frequent staff turnover and burnout, language and cultural barriers as well as, more seriously, the lack of individual follow-up of the refugees as they move from camp to the other, often in different countries.

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

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
BLOCK 6
2:30 PM – 3:45 PM

Metabolic syndrome and dietary patterns: A tale of two continents (Chetan Phadke, BPhT PhD, West Park Healthcare Centre; Hubert Vuagnat, MD; University Hospitals of Geneva) #290842 INT, ST, CP

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

PAPER SESSIONS



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

Community Reintegration in Low-Resource Settings: Unmet Needs and Family Participation in Rehabilitation Process (Amit Kumar, Brown University; Jonathan Armstrong, ABI Rehabilitation; Carlos Marquez de la Plata, Pate Rehabilitation; Kristine Kingsley, New York University Langone Medical Center, Rusk Rehabilitation) #301820 INT, BI, ST

CONCURRENT SESSIONS
BLOCK 9
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
The leading Rehab Institute in the Netherlands will present their approach towards successful innovative patient included rehab pathways. Topics include: Differences of the Dutch and the American Rehab Healthcare System - Leading treatment approaches in the Netherlands - Adaptation and use of newer technologies (robots, virtual reality, sensor technology, ehealth and serious gaming) - Patient Included taken to the next level - Measuring Outcome and Success - Lessons for America

INTERNATIONAL NETWORKING GROUP



INCLUSIVE • WELCOMING • COLLABORATIVE • DIVERSE • CONGENIAL

CHAIR:



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

SECRETARY:



CHETAN PHADKE, BPHT, PHD
Scientist, West Park Healthcare Centre, York, On, Canada

“Dr. Vlassopoulos will inspire us! The refugee crisis in Europe resonates with rehabilitation professionals around the world. This symposium will explore significant unmet needs and the contribution of rehabilitation specialists working in teams.”

—Fofi Constantinidou

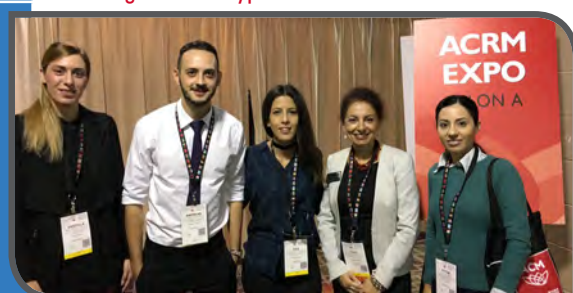
The ACRM International Networking Group (ING) is a community of rehabilitation professionals from around the world whose mission is to communicate and collaborate across international boundaries to advance rehabilitation research and evidence-based practice. **Join them in Atlanta: Annual Group Business Meeting: THU 7:00 AM – 8:00 AM.** Meanwhile — connect with them virtually here: ACRM.org/international

“The ACRM conference is international. So many countries participate and bring the best of their thinking to the table”

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



Delegation from Cypurs at 2016 ACRM Conference



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

WORLD-CLASS CONTENT
COMING SOON

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

A VALUE ADDED MODEL FOR TREATMENT OF CHRONIC PAIN
(Virgil Wittmer, Brooks Rehabilitation; Mark Pew, Senior Vice President, PRIUM) #296096 PAIN
Value added assessment and treatment for various chronic conditions, such as chronic pain, is increasingly demanded by the government, insurance companies, referring providers, as well as patients and families. This symposium will address how to add value in managing chronic pain with a biopsychosocial model. Various government and private sector payers emphasize that value must include clinical efficacy while reducing healthcare expenses. The standards/guidelines of the National Pain Strategy and CDC Guidelines for Prescribing Opioids for Chronic Pain will be used as models to design and implement “value” into practice.

CO-CHAIR:

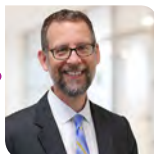


VIRGIL WITTMER, PHD
Executive Director, Brooks
Rehabilitation, Jacksonville, FL

CO-CHAIR:



LADONNA SAXON, PHD
Staff Psychologist and Training Consultant
Department of Veterans Affairs, Mental Health,
Dallas, TX



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

Applying Psychologically Informed Principles in Rehabilitation for Patients with Chronic Pain
(Anita Davis, PT DPT DAAPM ATRIC CEASII, Brooks Rehabilitation; Virgil Wittmer, PhD, Brooks Rehabilitation) #294316 PAIN, CP
This session introduces concepts of psychologically informed practice to rehabilitation professionals treating patients with chronic pain. Psychologically informed practice is associated with cognitive behavioral training as provided by psychologists. Pain coping strategies are paramount for those with chronic pain. However, for those with chronic pain, psychological support is frequently not available. These strategies allow the clinician to share effective pain coping skills along with their discipline specific interventions. Some pain coping strategies may be familiar but are often miss-understood and poorly applied. These will be clarified and discussed within a case example.

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

New Guidelines by the ACP for Non Invasive Pain Therapies Special Focus on Wearable Technologies
(Polina Feldman, Recovery Force; Virgil Wittmer, Brooks Rehabilitation) #303023 PAIN, TEC

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

Enhancing Patient Engagement in Chronic Pain Self-Management Practices to Optimize Pain Treatment Outcomes (Team from James A. Haley Veterans’ Hospital: Stacey Sandusky, Nicolle Angeli, Kerry Allen) #293323 PAIN, CP

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

Chronic Pain Treatment: New and Existing Models of Successful and Cost Efficient Rehabilitation (Virgil Wittmer, Brooks Rehabilitation; Gregory Smith, Progressive Rehabilitation Associates) #292244 PAIN, CP

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

PAPER SESSIONS



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

Placebo effects in rehabilitation medicine: mechanisms, acceptability, and clinical applications (Nkaku R. Kisaalita, LaDonna Saxon) #331549 PAIN, CIRM

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

Integrating Therapeutic Exercises via Dance/ Movement Therapy, Mindfulness and Guided Imagery When Treating Pain. (Rivi Har-El) #300998 CC CROSSTAGGED

PARTICIPATE **JOIN THE ACRM Pain Rehabilitation Group Business Meeting**

FRI 4:00 PM – 5:00 PM *JOIN us... Be Moved.*

SESSION DETAIL

The American College of Physicians (ACP) set forth new guidelines that physicians and patients should treat acute or subacute low back pain with non-drug therapies such as superficial heat, massage, acupuncture, or spinal manipulation. Advancements in non-drug therapies for lower back pain are emerging as wearable technologies that use multifunctional materials. Multifunctional materials are defined as smart materials that react to environmental changes in various manners to provide superficial heat, massage, bio-feedback, neural stimulation and stimulate blood circulation. Shape memory alloy (SMA) materials will be highlighted detailing applications for aiding in deep vein thrombosis, blood circulation, edema and muscle recovery

SESSION DETAIL

The National Pain Strategy (NPS) was released in 2016, and strongly encourages interdisciplinary assessment and treatment for patients at risk for development of chronic pain. These guidelines recommend the biopsychosocial model for evaluation and treatment of chronic pain, and are inclusive of all strategies of behavioral and medical rehabilitation. There are many models for interdisciplinary implementation of the NPS guidelines. This symposium will provide evidenced based recommendations for integration of these services/programs within a variety of healthcare settings. Staffing structure, philosophy, outcomes, and practical issues related to operations (revenue and expenses) will all be addressed within various healthcare delivery systems.

MORE

www.ACRM.org/PAINcontent



HEALTH POLICY  NETWORKING GROUP

WED CONCURRENT SESSIONS BLOCK 1 1:30 PM – 2:45 PM	WORLD-CLASS CONTENT COMING SOON
THU CONCURRENT SESSIONS BLOCK 2 10:30 AM – 11:45 AM	QUALITY MEASUREMENT IN INPATIENT REHABILITATION (Anne Deutsch, RTI International and Rehabilitation Institute of Chicago; Roberta Constantine, RTI International; Sara Zuckerbraun, RTI International; Allen Heinemann, Rehabilitation Institute of Chicago) #294024 POL, MES
CONCURRENT SESSIONS BLOCK 3 1:45 PM – 3:00 PM	Using Health Services Research to Define Value of Rehabilitation: Case examples and future directions (Linda Resnik, Providence VA Medical Center; Jennifer Stevens-Lapsley, University of Colorado; Janet Frebarger, Department of Physical Therapy, University of Pittsburgh; Amit Kumar, Brown University) #289863 POL
CONCURRENT SESSIONS BLOCK 4 5:00 PM – 6:15 PM	(Re)Design Care and Outcomes for Success in a Value-Based Purchasing Environment (Lynn Freeman, Aegis Therapies and Post-Acute Therapeutics and Health Clinical Research Institute; Donna Diedrich, Aegis Therapies; Alan Wang, Salude) #297274 POL, GER
FRI CONCURRENT SESSIONS BLOCK 5 10:30 AM – 11:45 AM	Updating Referral Sources on Medicare Wheelchair Requirements (Cathy Carver, UAB Hospital/Spain Rehabilitation Center; Laura Cohen, Rehabilitation & Technology Consultants) #313417 POL, CP
CONCURRENT SESSIONS BLOCK 6 2:30 PM – 3:45 PM	WORLD-CLASS CONTENT COMING SOON
SAT CONCURRENT SESSIONS BLOCK 7 9:45 AM – 11:00 AM	PAPER SESSIONS 
CONCURRENT SESSIONS BLOCK 8 11:30 AM – 12:45 PM	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 These symposia focus on three innovative models of clinical integration of services across transitions of care designed to improve flow, enhance quality and improve outcomes. These include an interactive mix of presentations, work groups for attendees and panel discussion.
CONCURRENT SESSIONS BLOCK 9 1:00 PM – 2:15 PM	WHO's Minimum Technical Standards for Rehabilitation in Sudden-Onset Disasters (Michel Landry, Duke University; Jody Mills, World Health Organization; Roy Corsico, World Health Organization; Ian Norton, World Health Organization; World Health Organization; Jim Gosney, International Society of Physical and Rehabilitation Medicine (ISPRM)) #312525 POL, INT The relative number of global sudden-onset disasters are rising at an alarming rate. The images of disaster landscapes hide the reality that survival rates after disasters are improving. However, "survival" rarely translates to a return to pre-earthquake health status. There are important disability-related outcomes that have risen to the forefront; and the World Health Organization has released a document entitled 'Minimal Technical Standards and Recommendation for Rehabilitation'. In this session, we review the overall prevalence and epidemiology of disasters, explain the relevance of WHO's newly established technical standards and consolidate this new knowledge by responding to a fictitious disaster.

SESSION DETAIL

The Center for Medicare and Medicaid Services' Inpatient Rehabilitation Facility Quality Reporting Program (IRF QRP) was implemented in October 2012, and now includes quality measures focused on health-care acquired infections, self-care, mobility, resource use and other measures. Public reporting of quality data began in December 2016, with the launch of a "Inpatient Rehabilitation Facility Compare" website. This session provides an overview of the CMS IRF QRP, a description of the development, testing and findings from an IRF Experience of Care Survey, and a review of a study examining the representativeness of experience-of-care survey respondents.

SESSION DETAIL

The purpose of this session is to help physicians & non-physician practitioners improve effectiveness and efficiency in documenting medical necessity and facilitate timely provision of appropriate wheeled mobility equipment for patients. Upon completion participants shall be able to: 1) distinguish features of complex rehab technology (CRT) wheelchairs and standard durable medical equipment (DME) wheelchairs, 2) describe the elements of the physician face to face examination and documentation requirements, 3) access resources for policy & advocacy, 4) improve beneficiary access to appropriate and necessary CRT & DME. Knowledge translation and dissemination resources will be shared for use at your home organization.

TOO MUCH GREAT STUFF TO PRINT!

There is no way to squeeze all the great aspects of this event into one brochure. Fortunately we have two handy ways you can access and scroll through all of the juicy conference details:

- 1) **Conference App:** ACRM.org/app
- 2) **Online Program:** ACRM.org/onlineprogram

View, search, and filter the conference schedule, see faculty and session descriptions, check out exhibitors and start planning your ACRM experience.



TO REGISTER: www.ACRM.org/2017
 or call +1.703.435.5335



WED CONCURRENT SESSIONS BLOCK 1 1:30 PM – 2:45 PM	LAUNCH PAD A Rehab Tech Innovation Competition #334306	
THU CONCURRENT SESSIONS BLOCK 2 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 BLOCK 3 1:45 PM – 3:00 PM	SPECIAL SPEAKER “Disruptive Digital Healthcare Innovations Impacting Rehabilitation Medicine” #319904 DAVID RHEW, MD , Chief Medical Officer (CMO) and Head of Healthcare and Fitness for Samsung Electronics of America	
CONCURRENT SESSIONS BLOCK 4 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
FRI CONCURRENT SESSIONS BLOCK 5 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 BLOCK 6 2:30 PM – 3:45 PM	Connected Health: Integrating Mobile App Software and Wearable Monitors to Enhance Practice (Matthew Bartels, David Prince, Momy Weschsler) #296889 TEC, MES	Virtual Reality Interventions for Upper Extremity Rehabilitation: A Meta-Analysis (Lynne Gauthier, Rachel Proffitt) #300207 TEC, ST
		
SAT CONCURRENT SESSIONS BLOCK 7 9:45 AM – 11:00 AM	PAPER SESSIONS 	
CONCURRENT SESSIONS BLOCK 8 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 BLOCK 9 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)

TECHNOLOGY  NETWORKING GROUP

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.

Get details in the
ACRM APP:
 ACRM.ORG/APP
 & IN THE NEW
 ONLINE PROGRAM



**PARTICIPATE
 JOIN THE ACRM
 Technology Networking
 Group Meeting**
 THU 7:00 - 8:00 AM



TO REGISTER: www.ACRM.org/2017 or call +1.703.435.5335

WED
CONCURRENT SESSIONS
BLOCK 1
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


THU
CONCURRENT SESSIONS
BLOCK 2
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

Mark Ylvisaker Lecture: Social communication in adolescents with brain injury: What would Mark do? (Lyn Turkstra) #332395 PED, BI

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

Pediatric Rehabilitation Award Lecture: "Pediatric Concussion — What Science Tells Us About the Art of Management"
Stacey Suskauer, MD, Kennedy Krieger Institute and Department of Physical Medicine & Rehabilitation



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

HOT TOPICS in Rehabilitation of Young Children Age 0-5: Clinical & Research Blitz (Angela Ciccica, 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 Dean) #304635 PED, CC, CP

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

Integrating Top Pediatric Rehabilitation Research into Practice: a Review of Recent Clinically Influential Papers (Matthew McLaughlin, Children's Mercy Hospital; Molly Fuentes, Seattle Children's Hospital; Robyn Howarth, Children's Healthcare of Atlanta) #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
BLOCK 6
2:30 PM – 3:45 PM

CDC: THE REPORT TO CONGRESS ON THE MANAGEMENT OF TRAUMATIC BRAIN INJURY IN CHILDREN (Juliet Haarbauer-Krupa, Centers for Disease Control and Prevention; Ann Glang, University of Oregon; Brad Kurowski, Cincinnati Children's Hospital Medical Center and University of Cincinnati College of Medicine) #296634 BI, PED CROSSTAGGED

Spina Bifida Across the Life Span: An Evolving Multidisciplinary Clinical Model (Team from UAB/Children's of Alabama: Drew Davis, UAB/Children's of Alabama, Betsy Hopson, Brandon Rocque) #299541 PED, CP, CC
This session will provide a review of recent literature pertaining to spina bifida outcomes, the evolution of Lifetime Care Model at UAB/Children's of Alabama and preliminary results of the Spina Bifida Transition Program.

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

PAPER SESSIONS



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

Medical Management and Outcomes of Pediatric Patients Diagnosed With Anti-NMDA Receptor Encephalitis (Team from Children's Healthcare of Atlanta: Robyn Howarth, Laura Blackwell, Joshua Vova, Udayan Kulkarni, MD, Fallon Crews, C-PNP, Anna-Lisa Tarabicos, C-FNP) #296879 PED, BI

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

A Multidisciplinary Approach to Feeding and Swallowing Management for Children Post Traumatic Brain Injury (Team from Children's Hospital Colorado: Amanda Chestnut, Caroline Freer) #304715 PED, CP This will be a case study presentation to educate clinicians on a multidisciplinary approach to the evaluation, treatment and management of feeding and swallowing disorders for children who sustain traumatic brain injuries.

ACRM is serious about pediatric rehabilitation with not one, but two groups devoted to it: the **Pediatric Rehabilitation Networking Group** and the **Pediatric-Adolescent Task Force** within the **BI-ISIG** (Brain Injury Interdisciplinary Special Interest Group).



CO-CHAIRS:
ANGELA HEIN CICCICA, PHD, CCC-SLP
Assistant Professor, Case Western Reserve University

CRISTINA SADOWSKY, MD
Clinical Director International Center for Spinal Cord Injury, Kennedy Krieger Institute; Assistant Professor PMR at Johns Hopkins School of Medicine



ACRM Pediatric Networking Group Business Meeting THU 7:00 AM – 8:00 AM

Pediatric Rehabilitation Award Lecture: Stacy Suskauer, MD

The **Mark Ylvisaker Lecture** is produced and sponsored by the **ACRM BI-ISIG Pediatric-Adolescent Task Force** co-chairs **Juliet Haarbauer-Krupa, PHD**, Centers for Disease Control and Prevention and **Drew Nagele, PSYD, CBIST** Executive Director, Beechwood NeuroRehab.



Lyn Turkstra, PhD, Professor and Assistant Dean, Speech-Language Pathology, McMaster University

“Dr. Turkstra’s work is seamlessly aligned with all that Dr. Ylvisaker advocated for in the care of those with brain injury. I am thrilled she will be speaking at this year’s ACRM Conference.”
—Angela Ciccica, Ph.D., Case Western Reserve University

“Dr. Suskauer is an innovative clinician and researcher in the area of pediatric brain injury and I look forward to hearing about her recent work.”
—Juliet Haarbauer-Krupa, PhD, Centers for Disease Control and Prevention

SESSION DETAIL

Anti-NMDA receptor encephalitis is an auto-immune disorder with a predictable clinical course. The clinical presentation and response to treatment are variable; hence, medical professionals utilize various treatments and medications to achieve medical stability. This symposium will review the current research on medical management and treatment for pediatric patients with anti-NMDA receptor encephalitis, specifically focusing on an overview of this disease and its effect on the developing brain, the medical and symptom management, the role of rehabilitation in recovery, as well as functional and cognitive outcomes in a pediatric sample.

EXPLORE DETAILS www.ACRM.org/pedcontent

GERIATRIC REHABILITATION  NETWORKING GROUP

CHAIR:



THOMAS W. BUFORD, PHD
Assistant Professor, Department of Aging and Geriatric Research
University of Florida

CHAIR-ELECT:





EMILY NALDER, PHD, OT REG (ONT.)
Assistant Professor, Department of Occupational Science & Occupational Therapy, University of Toronto

PAST CHAIR:



DEIRDRE DAWSON, PHD
Senior Scientist, Rotman Research Institute, Baycrest Health Sciences

We warmly welcome our presenters


← from Australia 
and from China 

SESSION DETAIL

This panel will provide a broad overview of current data sharing attitudes and practices in disability and rehabilitation research, as well as recent success stories from both the archiving and accessing data perspectives. Following the symposium, participants will have a better understanding of 1) the importance of sharing data, 2) the process of sharing data through archiving, and 3) opportunities for leveraging shared datasets to answer novel, timely research questions.

Congratulations to...
<<< DEB WILKERSON AWARD RECIPIENT:
Emily Nalder, PhD BOccThy (Hons), Assistant Professor, University of Toronto will present paper lecture, "Proposing a Traumatic Brain Injury (TBI) Resiliency Model to guide rehabilitation research and practice."

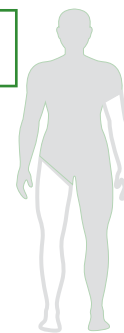
PARTICIPATE JOIN THE ACRM
Geriatric Networking Group Meeting
THU 7:00 AM – 8:00 AM *JOIN us... Be Moved.*

REGISTER: ACRM.org
or
 +1.703.435.5335

SAVE BIG!
Early Bird RATES END SOON

WED CONCURRENT SESSIONS BLOCK 1 1:30 PM – 2:45 PM	Multidisciplinary Approaches to Exercise Therapy in the Prevention of Late-Life Disability (Monica Serra, Atlanta Dept of Veterans Affairs GRECC; Joe Nocera, Emory University School of Medicine and Atlanta Department of Veterans Affairs RR&D, Center for Visual and Neurocognitive Rehabilitation; Thomas Buford, University of Florida; Keith McGregor, Atlanta Dept of Veterans Affairs RR&D Center for Visual and Neurocognitive Rehabilitation) #294444 GER
THU CONCURRENT SESSIONS BLOCK 2 10:30 AM – 11:45 AM	RE-CONCEPTUALIZING OUTPATIENT GERIATRIC REHABILITATION: DELIVERING PREVENTATIVE CARE THROUGH CONNECTED HEALTH (Jonathan Bean, VA Boston Healthcare System; Meng Ni, Harvard Medical School; Terri Ellis, Boston University; Jennifer Perloff, Brandeis University) #293393 GER, CP For older adults, a decline in mobility skills is a signal event, identifying higher risk for disability and healthcare utilization. Our study evaluates the benefits of rehabilitation before these adverse events occur. The intervention targets risk factors for mobility decline and utilizes mobile health technology to deliver care more efficiently. This study evaluates the benefit of this unconventional care program on physical function and health care utilization after one year of follow up. We will present: 1) study background and rationale; 2) the study methods; 3) a description of the intervention; and 4) the findings addressing improvements in physical function.
CONCURRENT SESSIONS BLOCK 3 1:45 PM – 3:00 PM	Supports to Enable the Participation of Individuals Aging with Disability: Evidence From Rehabilitation Science (Emily Nalder, University of Toronto; Denise Dubois, University of Toronto; Carrie-Anne Marshall, Queens University) #300733 GER, BI, TEC
CONCURRENT SESSIONS BLOCK 4 5:00 PM – 6:15 PM	Reablement and Restorative Care for Older People with Functional Decline — New Paradigm or Old? (Christopher J. Poulos, HammondCare, University of New South Wales; Andrew Cole, HammondCare, University of New South Wales; Michelle Anthony, HammondCare; Natalie Robson, HammondCare) #309871 GER, INT, POL
FRI CONCURRENT SESSIONS BLOCK 5 10:30 AM – 11:45 AM	To Improve Balance in Older Adults With Tai Chi As Therapeutic Intervention (Howe Liu, Physical Therapy Department of UNT Health Science Center, the 2nd Affiliated Hospital of Nanchang University; Hong Zhang, Yueyang Hospital of Integrated Chinese and Western Medicine, Shanghai University of Traditional Chinese Medicine) #297410 GER, CIRM
CONCURRENT SESSIONS BLOCK 6 2:30 PM – 3:45 PM	Leveraging Existing Data to Answer Novel Research Questions: Perspectives on Archiving and Using Research Data (Kenneth Ottenbacher, University of Texas Medical Branch; Rachel Ward, VA Boston; Addie Middleton, University of Texas Medical Branch) #293662 CC
SAT CONCURRENT SESSIONS BLOCK 7 9:45 AM – 11:00 AM	PAPER SESSIONS 
CONCURRENT SESSIONS BLOCK 8 11:30 AM – 12:45 PM	WORLD-CLASS CONTENT COMING SOON
CONCURRENT SESSIONS BLOCK 9 1:00 PM – 2:15 PM	Rehabilitative Care in Aging Adults with Blood Cancer — A Multidisciplinary Model (Team from The Ohio State University: 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 A Geriatric Assessment (GA) is a multi-disciplinary assessment tool designed to address the unique needs of the aging adult population with subspecialist evaluations by a physician, pharmacist, case manager, nutritionist, physical therapist and audiologist, all in a single visit to improve morbidity, mortality, and quality of life. We describe our clinic model using GA in hematologic malignancies and discuss implementations to improve treatment outcomes in this population.

LIMB RESTORATION REHABILITATION GROUP



CO-CHAIR:



GERASIMOS BASTAS, MD, PHD

Director of Limb Loss Rehabilitation, Assistant Professor of Physical Medicine & Rehabilitation, Vanderbilt University Medical Center

SESSION DETAIL

The symposium has 3 main goals: 1. Explore the cutting edge of prosthetic research and care of persons with limb loss 2. Foster a dialogue between researchers, clinicians, and persons with limb loss 3. Motivate the next generation to improve upon limb loss care and prosthetic technologies

KRISTIN ZHAO
Mayo Clinic



SESSION DETAIL

The number of people living with concurrent comorbidities as well as the aging population has given rapid rise to the number of people expected to be living with amputation. A collaborative longitudinal database focusing on translational research intending to enhance the treatment, rehabilitation, and quality of life of people living with amputation was created in response to a report from NIDILRR citing an increased need for the development of research and treatment options for people expecting to undergo amputation. The database helps fill this research void by providing information on physical and psychosocial adjustment related to prosthetic outcomes.

TAMARA BUSHNIK
PhD, FACRM, Associate Professor, Rusk Rehabilitation



JOIN THE ACRM Limb Restoration Rehabilitation Group Business Meeting

FRI 7:00 AM – 8:00 AM

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

Rehabilitation After Upper Limb Amputation: Advantages and Pitfalls of Technology in Functional Rehabilitation (Lewis Wheaton, Raoul Bongers) #292880 LL, TEC, NP

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

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

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

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 II #289785 LL, MES, CP

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

Perspectives on Current Innovations and Challenges in Upper Extremity Prosthetics (Kristin Zhao, Mayo Clinic; Karen Andrews, Mayo Clinic; Diane Atkins, Baylor College of Medicine, Houston, Texas; Sasha Blue Godfrey, Istituto Italiano di Tecnologia, Italian Institute of Technology; Jack Uellendahl, Hanger Clinic)
#292707 LL

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

Medical Considerations for Prosthetic Candidacy, Enduring Functional Enablement and Coordination of Care (Gerasimos Bastas) #296566 LL, CP

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

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

Standardized Outcome Measures in Lower Limb Prosthetics (Shane Wurdeman, Phillip Stevens, James Campbell) #296169 LL

Development of an Interdisciplinary Multi-Center Outcomes Database in Limb Loss Rehabilitation, A 5 Year Review (Tamara Bushnik, Michael Juszcak, Jason Maikos, Leif Nelson, Jeffrey Cohen, Jeffrey Heckman) #296999 LL, MES, CP

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

PAPER SESSIONS



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

Comprehensive Care for Osteomyoplastic Lower Limb Loss: Pre-Amputation through Community Participation (Carol Dionne, Jonathan Day, William Ertl) #283242 LL, CP

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

Osseointegration for Amputees: The Past, Present and the Future (Munjed Al Muderis, Kevin Tetsworth, William Lu, Solon Rosenblatt) #297411 LL

Too much to print!

See more in the App
ACRM.org/app & in the online program
ACRM.org/onlineprogram

WED CONCURRENT SESSIONS BLOCK 1 1:30 PM – 2:45 PM	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	
THU CONCURRENT SESSIONS BLOCK 2 10:30 AM – 11:45 AM	Quality Measurement in Inpatient Rehabilitation (Anne Deutsch, Roberta Constantine, Sara Zuckerbraun, Allen Heinemann) #294024 POL, MES CROSSTAGGED	
CONCURRENT SESSIONS BLOCK 3 1:45 PM – 3:00 PM	Health Services Research Efforts within ACRM: Part I (James Graham, Risa Nakase-Richardson, Trudy Mallinson, Jason Beneciuk, Pamela Roberts, Natalie Leland, Amol Karmarkar) #297366 MES, POL	
CONCURRENT SESSIONS BLOCK 4 5:00 PM – 6:15 PM	Promoting Adoption of Standardized Outcome Measures Using the Rehabilitation Measures Database (Linda Ehrlich-Jones, Kristian Nitsch, Allen Heinemann, Trudy Mallinson) #290666 MES	Health Services Research Efforts within ACRM: Part II (Risa Nakase-Richardson, James Graham, Addie Middleton, Amit Kumar, Timothy Reistetter, Tracy Mroz, Ickpyo Hong) #297366 MES, POL
FRI CONCURRENT SESSIONS BLOCK 5 10:30 AM – 11:45 AM	SPECIAL SYMPOSIUM Defining rehabilitation treatments: Implications for clinical education, supervision, and treatment planning (John Whyte, Tessa Hart, Marcel Dijkers) #294063 CP, MES, CC See Page 42	Health Services Research Efforts within ACRM: Part III (Addie Middleton, James Graham, Risa Nakase-Richardson, Jill Massengale, Clara Libby Dismuke, Brian Downer) #297366 MES, POL
CONCURRENT SESSIONS BLOCK 6 2:30 PM – 3:45 PM	SPECIAL SYMPOSIUM Part 2: Specifying Rehabilitation Treatments: Implementing a Common System for Clinical Education and Research Reporting (John Whyte, Lyn Turkstra, Andrew Packel, Allen Heinemann, Keith D. Ciceron) #294119 CP, MES, CC	Evidence-based Pharmacological Interventions After TBI (Sonya Kim, Lilian Hoffecker, Lauren Terhorst, Xiaolei Hu, Marianne Mortera, Marianne Mortera, Shilpa Krishnan, Trudy Mallinson, Patricia Heyn) #289738 MES, BI, MIL
SAT CONCURRENT SESSIONS BLOCK 7 9:45 AM – 11:00 AM	PAPER SESSIONS 	
CONCURRENT SESSIONS BLOCK 8 11:30 AM – 12:45 PM	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	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
CONCURRENT SESSIONS BLOCK 9 1:00 PM – 2:15 PM	Outcomes and Measurement in Rehabilitation Research and Practice — The State of Science (Deepan C Kamaraj, Jason Raad, Trudy Mallinson, Deborah Backus) #300658 MES, CP	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

MEASUREMENT NETWORKING GROUP

CHAIR:



TRUDY MALLINSON, PHD, OTR/L
 George Washington University
 University of Florida

CHAIR-ELECT:



NOELLE CARLOZZI, PHD
 University of Michigan

CHAIR:



ALLEN W. HEINEMANN, PHD, ABPP (RP), FACRM
 Northwestern University and
 Rehabilitation Institute of Chicago

THREE-PART SERIES

The Health Services Research Taskforce (within the Measurement Networking Group) and the Military/Veteran's Affairs Networking Group are collaborating on a three-part symposium on rehabilitation-related HSR. We will 1) provide an overview of the current HSR environment, 2) introduce ACRM members who are conducting HSR, 3) highlight the types of research questions they are addressing, and 4) describe the research designs they are using to answer those questions. We will also discuss available resources and opportunities to get involved with this evolving field. The sessions are divided into three broad topics, each with four brief presentations from diverse HSR investigators.

This symposium will illustrate an interdisciplinary approach to conducting a small randomized clinical trial that implemented novel research procedures and analytic techniques to further the development of a targeted neuromodulatory treatment for patients living in states of disordered consciousness for more than 2 years. Cutting-edge research methods will be explained to demonstrate how clinical trials with small sample sizes can be conducted to inform treatment development. Group level results presented will indicate that repetitive transcranial magnetic stimulation combined with amantadine induced plasticity and repair in resting state functionally connected networks, supported by the dopamine system enabling neurobehavioral function.

Measurement Networking Group Applied Cognition Geriatric Task Force Meeting

FRI 27 OCT 7:00 - 8:00 AM

Measurement Networking Group Meeting

FRI 27 OCT 4:00 - 5:00 PM

WED CONCURRENT SESSIONS BLOCK 1 1:30 PM – 2:45 PM	Rehabilitation with Music: What is Known and How We Collaborate As NMTs (Erin Wegener, Alikea Seu, Kathleen Howland) #294343	
THU CONCURRENT SESSIONS BLOCK 2 10:30 AM – 11:45 AM	Arts & Neuroscience: Review of Evidence for Dance-based Interventions in Neurorehabilitation (Lise Worthen-Chaudhari, The Ohio State University; Madeleine Hackney) #297003	
CONCURRENT SESSIONS BLOCK 3 1:45 PM – 3:00 PM	GOT RHYTHM? The Music and Motor Connection in Neurorehabilitation (Dwyer Conklyn, Francois Bethoux, Darlene Stough, Lisa Gallagher, Elizabeth Stegemoller) #294023	
CONCURRENT SESSIONS BLOCK 4 5:00 PM – 6:15 PM	Cognition And The Role of Music in Clinical Neurorehabilitation (Kathleen Howland, Berklee College of Music) #299326 AN, BI, PED Attention is the bedrock of all cognition. As a temporal art, music has the capacity to engage and sustain attention for extended periods. This is an important clinical tool in the assessment and treatment of attention-based issues, notably in dementia, stroke and brain injury including disorders of consciousness. The neurologic circuitry of attention will be presented along with a discussion and demonstration of how music therapy protocols can address this area of functioning.	
FRI CONCURRENT SESSIONS BLOCK 5 10:30 AM – 11:45 AM	SPECIAL SYMPOSIUM (TENTATIVE) STROKESTRA: Holistic Stroke Rehabilitation Through Creative Music-Making (Lisa Rodio, Carol Hargreaves, Clare Nicholson, Tim Steiner) #300065 AN, ST	
CONCURRENT SESSIONS BLOCK 6 2:30 PM – 3:45 PM	Speaking of the Arts...The Interplay of Music and Speech in the Neurorehabilitation Process (Kathleen Howland, Ellayne Ganzfried, Dwyer Conklyn) #300354	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
SAT CONCURRENT SESSIONS BLOCK 7 9:45 AM – 11:00 AM	PAPER SESSIONS	
CONCURRENT SESSIONS BLOCK 8 11:30 AM – 12:45 PM	Sensory Stimulation and Music Therapy Programs for Treating Disorders of Consciousness (Wendy Magee, Caroline Schnakers) #296506 AN	
CONCURRENT SESSIONS BLOCK 9 1:00 PM – 2:15 PM	The IMPROVment Method: Brain Body Health for Older Adults (Christina Soriano, Christina Hugenschmidt) #299144 AN, GER	

CHAIR:



RON HIRSCHBERG, MD
Physical Medicine and Rehabilitation,
Spaulding Rehabilitation Hospital
Massachusetts General Hospital

CHAIR-ELECT:



**BRIAN HARRIS, MA
MT-BC NMT**
Neurologic Music
Therapist, Spaulding
Rehabilitation Hospital

SESSION DETAIL

Rhythmic auditory stimulation (RAS) was shown to improve gait in patients with central nervous system disorders. Patterns of cortical activation on functional MRI (fMRI) were identified in relation to walking and mental imagery of walking, in various populations. Seeking to determine the efficacy of RAS for the treatment of gait disturbance in patients with MS our team conducted three studies. These studies demonstrated improvement of gait parameters after a home walking program using RAS in individuals with MS while also showing changes in the pattern of cortical activation associated with mental imagery of walking.

PARTICIPATE JOIN THE ACRM
Arts & Neuroscience Group Meeting
FRI 7:00 AM – 8:00 AM *JOIN us... Be Moved.*

TOO MUCH TO PRINT!
www.ACRM.org/artscontent

SAT 3:15 - 4:15 PM the conference will end on a high note with a special session. Stay tuned for info. Sign-up to receive email alerts at ACRMconference.org.



CIRM: Complementary, Integrative, Rehabilitation Medicine



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

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

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

Integrative Medicine and Rehabilitation: A Natural Partnership #294142 CIRM, CP, PAIN (Eric (Rick) Leskowitz, Spaulding Rehabilitation Hospital & Massachusetts General Hospital; Sonya Kim, NYU School of Medicine Dept of Neurology and Dept of Rehab.; Ariana Vora, Dept of PM&R, Harvard Medical School & Spaulding Rehabilitation Network; Bridget Sheng-Fong Chin, Harvard Medical School & Spaulding Rehabilitation Hosp.; J. Quezada-Morales, Neuromodulation Laboratory, Spaulding Rehabilitation Hosp; Patricia Heyn, Univ. of Colorado Anschutz

Martial Arts as Sport And Therapy (David Burke, Emory University) #295564 CC, CROSSTAGGED This course will discuss the range of martial arts, from the context of these arts as part of a trio of life skills. We will explore the healing arts, from acupuncture to natural and herbal remedies, the self exploration arts from yoga to mindfulness, and cognitively-based compassion training (from the Tibet group at Emory). Hard styles of tae kwon do to the soft styles of tai chi will be explored.

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

SPECIAL SYMPOSIUM

Integrative Medicine in the Rehab Setting: One Hospital's Experience (A Case Study) (Eric Leskowitz) #316790 CIRM, CP



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

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

Yoga: A Practice with Special Relevance for Neurological Rehabilitation (Anneke Bender, Marlysa Sullivan, Kelli Bethel, Lauren Tudor, Julie Huerbin) #310644 CIRM, CP

Application of Complementary Medicine Approaches in Inpatient Rehabilitation: Findings From the SCI Rehab Project (Sally Taylor, Elaine Ooi Yan Cheung) #304175 CIRM, SCI

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

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

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

Community Approach to Interprofessional Education Transitioning to Interprofessional Practice (Beth Bright, Dawn LaBarbera, Kimberly Beran-Shepler, Ahmed Abdelmageed, Tricia Widenhoefer) #296302 CIRM, CP

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

PAPER SESSIONS



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

Innovative Solutions for Pain Rehabilitation (Nicole Sasson, Kira Charles, Lisa Ludovici, Jason Siefferman, Sonya Kim) #290017 CIRM, PAIN

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

Cognitively-Based Compassion Training (CBCT®) #331237 CIRM
TIMOTHY HARRISON, BSE, MArch, Assistant Director, Center for Contemplative Science & Compassion-Based Ethics, Emory University



CHAIR & PROGRAM COMMITTEE LIAISON:



SONYA KIM, PHD, CRC, BCB
Research Scientist, Department of Rehabilitation Medicine, Clinical Instructor, Department of Neurology & Department of Rehabilitation Medicine New York University School of Medicine

CHAIR-ELECT & COMMUNICATIONS OFFICER:



PATRICIA C. HEYN, PHD, FGSA, FACRM
Associate Professor of Physical Medicine and Rehabilitation School of Medicine, University of Colorado Anschutz Medical Campus

CO-CHAIRS:



NICOLE SASSON, MD
Chief, Physical Medicine & Rehabilitation Service Veterans Affairs-New York Harbor Health Care System; Clinical Associate Professor of Rehabilitation Medicine, New York University School of Medicine, Rusk Institute



MARIANNE H. MORTERA, PHD, OTR/L
Independent Consultant, Therapeutic Resources and New York City Department of Education, Occupational Therapist of Medicine, Rusk Institute

“Dr. Eric (Rick) Leskowitz MD, ABHM from the Spaulding Rehabilitation Hospital in Boston, has over 25 years of expertise in using energy healing, meditation and hypnosis in the rehabilitation setting, and has presented workshops nationally and internationally on the integration of subtle energy techniques and theories with the allopathic medical model.”

—Sonya Kim

PARTICIPATE JOIN THE ACRM CIRM Group Meeting

FRI 7:00 AM – 8:00 AM JOIN us... Be Moved.

WED CONCURRENT SESSIONS BLOCK 1 1:30 PM – 2:45 PM	Sex and Neurorehabilitation, Time for More Evidence and Practical Action for our Patients (Hubert Vuagnat, Xiaolei Hu, Nathan Zasler) #297006 CP, INT	Conducting Patient Engaged Research: Lessons Learned in the VA (Maheen Adamson, Karen Besterman-Dahan, Kiersten Downs, Bridget Cotner) #296075 CP, MIL, BI	OP-ENS - A Peer Support Intervention to Promote Healthcare Access for People With Disabilities (Susan Magasi, Robert Green, Laura VanPymbrouck, Christina Papadimitriou) #300494 CP, CC
THU CONCURRENT SESSIONS BLOCK 2 10:30 AM – 11:45 AM	SPECIAL SYMPOSIUM Hyperbaric Oxygen and Traumatic Brain Injury: Caveats, Controversies and Challenges (Sarah Rockswold, David Cifu; MODERATORS: Min Jeong Graf, Nathan Zasler) #297337 CP, BI		
CONCURRENT SESSIONS BLOCK 3 1:45 PM – 3:00 PM	Increasing Healthspan in Patients with Complex Conditions With Self-Health Empowerment and Wellness Approaches (Patricia Heyn, James Carollo, Mark Hirsch) #292581 CP, ND, CIRM	Integrating Research into Clinical Settings: A New Model of Interdisciplinary Rehabilitation (Miriam Rafferty, Richard Lieber, Allen Heinemann, Piper Hansen, C. Hendricks Brown, James Sliwa) #304728 CP	Fatigue and mobility in persons with neurologic disability: A Framework for rehabilitation specialists. (Herb Karpatkin, Evan Cohen, Stefanie DiCarrado) #301745 CP, BI, ND
CONCURRENT SESSIONS BLOCK 4 5:00 PM – 6:15 PM	Cross-Linguistic Transfer of Therapy Effect (CLTE) in Bilingual Individuals with Aphasia after Stroke (Pei-Fang Hung, Lei Sun) #300691 CP, ST	Improving Medication Adherence in Rehabilitation Clients: A Review of Evidence-Based Practice (Jaclyn Schwartz) #300482 CP, CC	Using a Systems and Knowledge Translation Lens to Frame Clinical Recommendation Development and Implementation (I Eshel, B Heintz) #297096 CP, BIL, MIL
FRI CONCURRENT SESSIONS BLOCK 5 10:30 AM – 11:45 AM	Is it Time to Consider Cognitive Training for Alzheimer's, Dementia, Mild Cognitive Impairment and Parkinson's? (Charles Shinaver) #296157 CP, TEC	SPECIAL SYMPOSIUM Defining rehabilitation treatments: Implications for clinical education, supervision, and treatment planning (John Whyte, Tessa Hart, Marcel Dijkers) #294063 CP, MES, CC	
CONCURRENT SESSIONS BLOCK 6 2:30 PM – 3:45 PM	Meeting the Needs of Mentored Research in PM&R Residencies (Victor Mark, Simon Driver, Thiru Annaswamy) #293546 CP	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	SPECIAL SYMPOSIUM Part 2: Specifying Rehabilitation Treatments: Implementing a Common System for Clinical Education and Research Reporting (John Whyte, Lyn Turkstra, Andrew Packel, Allen Heinemann, Keith D. Ciceron) #294119 CP, MES, CC
SAT CONCURRENT SESSIONS BLOCK 7 9:45 AM – 11:00 AM	PAPER SESSIONS		
CONCURRENT SESSIONS BLOCK 8 11:30 AM – 12:45 PM	Regenerative Rehabilitation: The Role of Mechanotherapies for Optimizing Regenerative Medicine Outcomes (Fabrisia Ambrosio, Arthur English, Nick Willett, Laura Miller) #296886 CP	Interventions to Improve Emotional Regulation Following Traumatic Brain Injury (Theo Tsaousides, Dawn Neumann) #303851 CP, BI, TEC	
CONCURRENT SESSIONS BLOCK 9 1:00 PM – 2:15 PM	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	Relational Practice: A Valued And Legitimate Way Of Working In Rehabilitation (Nicola Kayes, Felicity Bright, Kathleen Galvin) #294269 CP, CC	Metacognitive Strategy Training: Optimizing Self-Awareness and Strategy Use across Activities (Joan Toglia, Chelsea Steinberg) #294605 CP, BI, ST

SESSION DETAIL

The efficacy of hyperbaric oxygen (HBO2) therapy to treat traumatic brain injury (TBI) remains in controversy based on available clinical experience and research. The evidence of efficacy, safety profile, dosing and treatment durability of oxygen therapies will be reviewed. Mechanisms and theoretical benefits of HBO2/normobaric therapy in TBI (severe and mild) will also be examined. The symposium will conclude with a discussion regarding future directions for research.



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



DAVID CIFU, MD
 Herman J. Flax, MD Professor and Chairman, Virginia Commonwealth University School of Medicine

SESSION DETAIL

Current methods of defining rehabilitation treatments emphasize the discipline of the provider ("an hour of OT") or the problem being treated ("gait training"), but provide little information about the actual contents of the treatment that ultimately determine its efficacy and effectiveness. This symposium will describe progress by the NIDILRR and PCORI-supported Rehabilitation Treatment Taxonomy project (RTT) in developing a standardized system for defining rehabilitation treatments of all disciplines with respect to their known or hypothesized active ingredients. The symposium will explore the utility of such a system in supporting clinical reasoning, clinical education, and supervision.



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



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



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

THESE SESSIONS ARE CROSS-CUTTING, TOO

WED CONCURRENT SESSIONS BLOCK 1 1:30 PM – 2:45 PM	Managing Edema in Persons With Neurological Impairments Utilizing Techniques to Treat Lymphedema (Rebecca Hammad, Anna Elmers) #302937 CP	Striving to Work and Overcoming Employment Barriers Among Persons with Disabilities (John O'Neill, Denise Fyffe, Vidya Sundar, Anthony Lequerica) #300578	
THU CONCURRENT SESSIONS BLOCK 2 10:30 AM – 11:45 AM	Martial arts as sport and therapy (David Burke) #295564 CC, CIRM	Educating Clinicians and Patients on Evidence-Based Content through Web Training Programs • Does It Work? (Lynn Worobey, Trevor Dyson-Hudson) #304321 CC, CP, TEC	
CONCURRENT SESSIONS BLOCK 3 1:45 PM – 3:00 PM	Limitations and Consequences to Cultural Competence in Rehabilitation (Felicia Connor, Nicole Murray, Valerie Ellois) #296859 CP	Transgender Toolbox: Interdisciplinary Tools to Provide Optimal Care (Cory Grandinetti) #300767 CC, INT	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
CONCURRENT SESSIONS BLOCK 4 5:00 PM – 6:15 PM	Person Centred Care...What Are Consumers Saying About Their Care (Christine MacDonell, Di Shen, Barbara O'Connell) #300598 CC, MES, INT	Physical Functioning Goals for Chronic Kidney Disease Patients: A Nephrology, Geriatrics and Psychiatry Discussion (Nancy Kutner, Jeanie Park, C. Barrett Bowling) #296055 CC, GER	A stimulating solution: targeting spasticity through mechanical and electrical stimulation (Shepherd Center Team: Edelle Field-Fote, Jennifer Iddings, Stephen Estes) #292902 CC
FRI CONCURRENT SESSIONS BLOCK 5 10:30 AM – 11:45 AM	Learning Health Systems in Rehabilitation Practice & Research (Carole Tucker) #300467 CC, MES	Walking Adaptability After Neurological Injury: Mechanisms, Assessment and Intervention (David Clark, Chitralakshmi Balasubramanian, Emily Fox) #292593 CC, ST, MES	How to get published: Authorship, Reporting Guidelines, Reviewing in Medical Rehabilitation (Allen Heinemann, Leighton Chan, Helen Hoenig) #300469
CONCURRENT SESSIONS BLOCK 6 2:30 PM – 3:45 PM	NIH Grantsmanship: Primer to successful navigation of numerous research opportunities at the NIH (Jesse Lieberman, Mark Hirsch, Janet Niemeier) #300506 CC	Cervicocephalic Syndrome: What Every Physiatrist Should Know (Nathan Zasler, John Leddy) #296629 CC, BI, PAIN	The Legacy of Kurt Goldstein: Person-Centered Healthcare, Holistic Biology, and Biosemiotics in Rehabilitation (Gary Goldberg, Patrick Whitehead) #296058 CC
SAT CONCURRENT SESSIONS BLOCK 7 9:45 AM – 11:00 AM	PAPER SESSIONS		
CONCURRENT SESSIONS BLOCK 8 11:30 AM – 12:45 PM	NIDILRR ARRT Fellows Oral Presentation (Double Slot) #334312	Rehabilitation Research Resource to Enhance Clinical Trials Center (REACT) and the MR3 Network (Marcas Bamman, Gary Cutter, Jeff Foster) #294864 CC	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
CONCURRENT SESSIONS BLOCK 9 1:00 PM – 2:15 PM	The 'Silo-ed Specialist Dilemma': Interdisciplinary Cross-Training of SCI Specialists for Acquired Brain Injury (Kristen Lueck, Liz Pike) #284131 CC, BI, SCI	Integrating Therapeutic Exercises via Dance/Movement Therapy, Mindfulness and Guided Imagery When Treating Pain (Rivi Har-El) #300998 CC	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

Following upper motor neuron injury (i.e. spinal cord injury, multiple sclerosis, acquired brain injury, and cerebral palsy), spasticity can diminish an individual's quality of life. Given that spasticity can manifest in an array of clinical presentations, including hyperreflexia, hypertonia, and clonus, treatment can often be challenging and fail to effectively manage all symptoms. Research has provided new insight into the characterization and management of spasticity, indicating that interventions targeting spinal and supraspinal mechanisms hold the potential to be both clinically accessible and effective.



EDELLE FIELD-FOTE
Shepherd Center
JENNIFER IDDINGS
Shepherd Center
STEPHEN ESTES
Shepherd Center

SESSION DETAIL



<<< Meet the Editors of *THE ARCHIVES!*

<<< **DEB WILKERSON**
AWARD RECIPIENT:



Emily Nalder, PhD BOccThy (Hons), Assistant Professor, Department of Occupational Science & Occupational Therapy, University of Toronto will present paper lecture, "Proposing a Traumatic Brain Injury (TBI) Resiliency Model to guide rehabilitation research and practice."

These symposia focus on three innovative models of clinical integration of services across transitions of care designed to improve flow, enhance quality and improve outcomes. These include an interactive mix of presentations, work groups for attendees and panel discussion. Philip Morse, ABI Rehabilitation New Zealand Ltd; Pamela Roberts, Cedars-Sinai Health System; Deborah Anselm, Accident Compensation Corporation (ACC); Christine Howard-Brown, Accident Compensation Corporation (ACC); Sarah Morrison, Shepherd Center; Christine MacDonell, CARF International; Michael Jones, Shepherd Center; Amy Morse, ABI Rehabilitation New Zealand, Ltd; Neonila Panko, Accidental Compensation Corporation (ACC).

REGISTER NOW!
 ACRM.org
 or
 +1.703.435.5335
Registered yet?



ACTUAL COMMENTS FROM 2016 ACRM ATTENDEES...

"This is the organization for interdisciplinary rehabilitation."
—Dr. Ariana Vora, Harvard/Spaulding PM&R

"Best conference for interdisciplinary discussions"
—Carol Dionne

"The scope of the offerings and the focus on future technology and treatment approaches are unmatched anywhere."
—**Gregory T. Smith PhD**, Psychologist, CARF surveyor

"Very useful learning experience"
—Dorene Scolnic

"It was a great experience. Congratulations to ACRM."
—Denise Cunha

"Very nice conference in the world" —Katarzyna Hojan

"Truely interdisciplinary...the real team" —Asha Mathew

"This conference is an excellent opportunity to meet & connect with fellow researchers in your discipline. It is also inspiring to be with so many like-minded people in a field that may not be glamorous but is essential to recovery of wellbeing." —Tyler Mitchell

"Something for everyone in Rehabilitation"
—A. McEnroe O'Connor, PT, MBA

"The ACRM annual conference is the largest, most innovative interdisciplinary meeting in the world."
—**Rosette Biester, PhD**, Neuropsychologist, Polytrauma Program at the Corporal Michael Crescenz VA Medical Center

"Go Rehab" —Darlene Stough

"outstanding!!" —Margaret Thompson

"Broad spectrum of presenters with a wealth of knowledge in Rehabilitation Medicine"
—Grace Fultz

"This is a tremendous event that facilitates good learning collaboration and networking"
—Noelette Matthews

"The conference was truly engaging and inspiring, and the interprofessional papers on rehabilitation research were of high quality." —Jayanti Ray

"The ACRM annual conference is an opportunity for education and professional growth at all career levels, to hear cutting-edge research findings from the source and to engage with other professionals, to meet with colleagues and friends and to develop new ties. If you haven't been before, don't miss Atlanta!" —Bettie Beckworth

"The ACRM 2016 Conference afforded an enjoyable and useful update in a variety of neurorehabilitative topic of value to the practicing physiatrist." —**Jeffrey S Hecht MD**, Associate Professor & Chief, Division of Surgical Rehabilitation, Department of Surgery, University of Tennessee Graduate School of Medicine, Knoxville, TN

"Provided inspiring sessions that encouraged me to consider more research (especially the Researcher who headed up the award-winning poster presentation tour)"
—Mary Hamilton, MSc (OT), Thesis, BSc (OT), BSc

"This is the conference to attend to network with all of the key players in medical rehabilitation." —Marcia Scherer

"Rehab is made by a multitude of feeds of knowledge which the finality is re integrate individuals in the society." —Sam Schinazi

"It is a unique experience to network and learn from leaders in many different fields from all over the world." —Misti Timpson

"Extremely high quality speakers and sessions. Presenters who are passionate about the research and clinical work in which they are engaged. I enjoy learning from others who are excited about the work in which they are exploring." —**Rebecca D. Eberle, MA, CCC-SLP, BC-ANCDs**, Clinical Professor, Indiana University

"ACRM conference provides wonderful opportunities to connect with other researchers, especially for early career attendees. I have made valuable contacts through the conference." —Alison Cogan, PhD (cand.), OTR/L, University of Southern California

"ACRM is a venue for numerous rehabilitation perspectives and provides networking and educational value for a variety of rehabilitation professionals."
—Lisbeth Nilsson, PhD, OT Reg. & Specialist Associated to Lund University, Sweden

"Thank YOU! I enjoyed the conference and did meet new people, who also are enthusiastic for rehabilitation! That is very good!!" —Päivi Tupala

"It is a great place to come together with colleagues and friends in both science and clinical practice from around the world." —Gordon Horn, PhD

"This conference provides unparalleled opportunities for interdisciplinary practice and networking." —Mary Fisher

"ACRM, Motivation and training, 100% recommendable!"
—**Rosa Martin Mourelle**, CHU A Coruña, Spain

"It was great to expand my research areas" —Ickpyo Hong, PhD, OTR/L, University of Texas Medical Branch

"The ACRM conference was an excellent learning opportunity for me as a current graduate student. It has inspired me to continue working towards the much needed interdisciplinary, evidence-based, and innovative research. I look forward to attending again in the future!"
—Jackie Einerson, BS, 3rd year MOT student at the University of Utah

"Well-attended meeting with many educational options to choose from." —Samuel Bierner, MD, University of Nebraska Medical Center, Omaha, NE

"This meeting afforded so much interdisciplinary interaction and discussion of clinical and research issues of interest to all of us." —Stacie Raymer, Ph.D., CCC-SLP, Old Dominion University

"One of the best multidisciplinary Rehabilitation conferences I have attended!"
—**Andrew M. Cole, MBBS, FAFRM**, Chief Medical Officer, HammondCare

"I'd like to thank you all for putting on a great conference with exceptional attendees."
—Brian Satran, MBA

"Great conference with a lot to offer" —Stephanie Torrens, BSN, RNII, CPN, Cincinnati Children's Hospital Medical Center

"Best place to get latest research in rehabilitation under one roof." —Padmaja Eluri

IN THEIR OWN WORDS...



"A unique interdisciplinary conference providing research and clinical information in an extraordinary collegial setting."

—**J. Preston Harley, PhD, FACRM, Neuropsychologist, Advocate Christ Medical Center, Chicago, IL**

"As a student, the PIRR conference was a great opportunity to meet fellow students, professors, and learn about the array of research currently out there."

—Jessica Bauza

"As an early career educator and researcher, the most valuable part of this conference is the ability to join ISIG's and collaborate with colleagues from multiple disciplines. I was fortunate enough have the opportunity to collaborate with colleagues from other disciplines, other areas of practice, and other parts of the country to come together to present on a common topic and to learn from each other. Aside from the valuable topics, presentations from leaders in the field, and the networking opportunities, the ability to collaborate in ISIG's is one of the most valuable experiences about this organization. I am grateful to have the opportunity to be a part of it."

—Shannon L. Scott OTD, OTR/L, SUNY Stony Brook Southampton NY

"Enjoyed being in Chicago when the Cubs won the World Series."

—Patricia Hodson

"Amazing, Curious, Rehab, Movement" —Pamela Quinn, PD, Movement Therapist

"Thank you for letting me to be the Presenter of Instructional Course." —Felix Laevsky, Biofeedback therapist of RIC

"ACRM is the excellent venue for rehabilitation professionals to gather and learn about the latest developments" —Evelyn Quinones, MSN, RN

"As a post-doctoral ARRT fellow, I received great tips on grant writing during the Early Career pre-conference training."

—Nuri Erkut Kucukboyaci, PhD

"The access to the many experts in the field of Brain Injury was amazing; I learned something from each presentation I attended. I also received validation that the evidence-based treatment protocols I use in therapy are the appropriate way to treat my clients." —**Beth Helton, MA/CCC-SLP, CBIS, Speech Pathologist, Rehabilitation Hospital of Indiana-Neuro Rehab Center**

"The Arts and Neuroscience track is a great way to integrate my background in music, dance, and medicine. It is a unique field and I'm excited to see it grow."

—Carrie McShane, MD, East Carolina University

"A great conference with high research and interactive possibilities"

—**Fofi Constantinidou, PhD, University of Cyprus**

"I had a great time with good content and excellent colleagues" —Erwin van Wegen

"Having the multidisciplinary and multi-stream crossovers offered an excellent conference experience." —Deidre Sperry, Speech Language Pathologist

"Thank you!" —Reza Ehsanian

"Perhaps THE most interdisciplinary conference I have ever been to — content of presentations was applicable to a wide variety of rehab professionals and researchers, and the atmosphere was extremely welcoming. It was easy to network, especially for a first time attendee."

—Alexandra Terrill

"A great conference with a large range of valuable information. Thank you ACRM!" —**Bethany Woodyatt, Occupational Therapy Student, Rush University**

"This is a great interdisciplinary conference that embraces the essence of excellent rehabilitation care!"

—**Joel Scholten**

"The place to be to stay abreast of current topics in rehabilitation." —Shannon Swick

"ACRM is a great opportunity to immerse yourself in the cutting-edge research in your clinical interest area of rehabilitation."

—**Edita Dragusin PT, DPT**

"If you like interdisciplinary learning about rehabilitation research, then ACRM Conference is THE conference for you!" —**Susan Lin, ScD, OTR/L, FAOTA, MGH Institute of Health Professions**

"ACRM's PIRR Conference is one of the most informative, engaging, and thought-provoking conferences I have ever attended. Outstanding multidiscipline, multi-disability content from all over the world is shared. ACRM PIRR offers the best opportunities for networking; from First-time and Early Career attendees to Leaders in the field, everyone is welcoming. It's more like a family than a Congress!" —**Stephanie A. Kolakowsky-Hayner, PhD, CBIST, FACRM**

"The only truly interdisciplinary conference that researchers and practitioners gain equal value." —David Krych

ACRM is grateful for the support of all attendees (past & future), presenters, faculty, our esteemed program committee (next page) and sponsors & exhibitors (page 50). This is a remarkable collaboration. And to continually improve each year, shows the tremendous passion within this strong & welcoming community. HATS OFF TO YOU ALL!

"Love the ongoing innovation when planning the conference; there is always something new, fresh and exciting going on here." —**Cristina Sadowsky, MD, Kennedy Krieger Institute/Johns Hopkins School of Medicine Baltimore**

"This is an incredible opportunity to link internationally, you hear and meet the trailblazers in their field of rehabilitation and you leave up to date with the latest research." —**Barbara O'Connell, MBA, DipCOT, ABI Ireland**

"ACRM is the only conference that brings together rehabilitation engineers, clinicians, federal funders, researchers, and policymakers under one roof. It is one of the most friendly conferences and provides early career researchers a ton of opportunities to network and at the same time collaborate with experts in the field. I look forward to attend this conference each year."

—**Shilpa Krishnan, PT, PhD, University of Texas Medical Branch**

"ACRM was a great conference with impeccable knowledge and opportunities for networking."

—Ian Burkhart

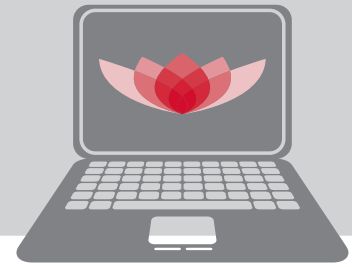
"An excellent venue to present and learn future perspective of Rehabilitation. A rainbow of Rehab team members"

—**Sami Ullah, FCPS (PM&R), Department of PM&R, Rehabilitation Hospital, King Fahad Medical City, Riyadh, Saudi Arabia**

See the Online Program & Planner

DIVE INTO ALL THE DETAILS >>> Scroll through the faculty, read details on every session. View, search, and filter the conference schedule and exhibitors and start planning your conference experience. Manage your time by deciding in advance what to attend. Search and browse the program your way using the various options & search functions. **ACRM.org/onlineprogram**

NEW!



THANK YOU

2017 ACRM CONFERENCE PROGRAM COMMITTEE



PROGRAM COMMITTEE CHAIR

PAMELA ROBERTS, PHD, OTR/L, SCFES, FAOTA, CPHQ, FNAP, FACRM
CEDARS-SINAI
MEDICAL CENTER,
LOS ANGELES, CA

Maria Cecilia Alpasan, MA, OTR/L
Teresa Ashman, PhD, ABPP, FACRM
Deborah Backus, PT, PhD, FACRM
Sara Benham, OTD, OTR/L, ATP
Glendaliz Bosques, MD, FAAPMR
Tamara Bushnik, PhD, FACRM
Angela Ciccio, PhD
Allison Clark, PhD
Fofi Constatinidou, PhD, CCC-SLP, FACRM, FASHA
Cindy Davie, MS, CCC-SLP
Aimee J. Davis, MS, OTR/L
Anne Deutsch, RN, PhD, CRRN, FACRM
Margaret A. DiVita, PhD, MS
Anne Deutsch, RN, PhD, CRRN, FACRM
Susan Fasoli, ScD, OTR

Yelena Goldin, PhD
Juliet Haarbauer-Krupa, PhD
J. Preston Harley, PhD, FACRM
Eric Harness, CSCS
Patricia Cristine Heyn, PhD
Ron Hirschberg, MD
Kimberly Hreha, EdD, MS, OTR/L
Xiaolei Hu, MD, PhD
Douglas Katz, MD, FACRM, FAAN
Stephanie Kolakowsky-Hayner, PhD, CBIST, FACRM
Mark Kovic, OTD, OTR/L
Shilpa Krishnan, PT, PhD
Debra Susan Ouellette, MS, OTR/L, SCLV
LaDonna C. Saxon, PhD
Maheen Adamson
Mark A. Hirsch, PhD
Virgil Wittmer, PhD
Sonya Kim, PhD, CRC
Kathleen Lyons, ScD, OTR/L
Chris MacDonell, FACRM

Harshal P. Mahajan, PhD
Karen McCulloch, PT, PhD, MS, NCS
Virginia Mills, MS, PT, CCM, LicNHA, FACRM
Jacqueline Mix, PhD, MPH
Marianne H. Mortera, PhD, OTR/L
Jennifer L. Murphy, PhD
Drew A. Nagele, PsyD, CBIST
Dawn Neumann, PhD
Stephen J. Page, PhD, MS, OTR/L, FAHA, FACRM
Christina Papadimitriou, PhD
Pamela Roberts, PhD, OTR/L, SCFES, FAOTA, CPHQ, FNAP, FACRM
Cristina Sadowsky, MD
Sue Ann Sisto, PT, MA, PhD, FACRM
Nicole Stout, DPT, CLT-LANA
Gerald Voelbel, PhD
Sarah Wallace, PhD, CCC-SLP
Jeffrey Wertheimer, PhD, ABPP-CN
Eric Wisotzky, MD, FAAPMR

MEET *the* EDITORS

How to get published:
Authorship, Reporting Guidelines,
Reviewing in Medical Rehabilitation

FRIDAY 27 OCT 10:30 – 11:45 AM



Leighton Chan,
MD, MPH, FACRM, BETHESDA, MD



Allen Heinemann,
PhD, ABPP (RP), FACRM, CHICAGO

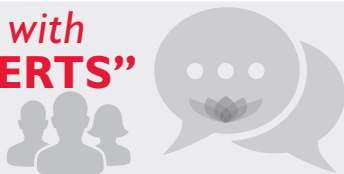


Helen Hoenig,
MD, Durham VA

ACRM  **Annual Conference**



**“CHAT with
the EXPERTS”**



Bring your questions / find your answers here...

**UP-CLOSE NETWORKING &
EXCHANGES at ACRM EXPO**

www.ACRM.org/chatwithexperts

Parkinson's Disease Course for Speech Language Pathologists #313279

SAT 28 OCT 2017 // 8:00 AM – 5:00 PM (lunch included)



Created by the Parkinson's Foundation, this day-long educational program is being designed for Speech and Language Pathologists (SLPs) who deliver care to those living with Parkinson's throughout the spectrum of the disease. Parkinson's disease affects not only speech, voice and swallowing, but also the gestures and facial expressions that are critical to communication. We're looking to further educate SLPs to examine the complexities that Parkinson's has on vocalization and swallow behaviors and explore how anti-Parkinson medications influence complex sensorimotor enrichment outcomes. This program will be recorded for webcasting.

INCLUDES: All-day live instruction, lunch, CME / CEUs. Non-member registration includes a 6-month introductory membership to ACRM.

For incredible value, this course is included in the WORLD PASS. **DETAILS:** ACRM.org.parkinsons



While this course is included in the WORLD PASS, unlike other courses, lunch is included, therefore this course a separate pricing structure applies when purchasing this course a la carte. Advance registration is required. This course will likely sell-out.

ACRM  **Annual Conference**





ACRM
HEADQUARTERS
HTOEL

Hilton
ATLANTA

DID YOU KNOW? ACRM and HILTON have partnered for multi-year events locking in the best room rates for you. **CHECK OUT FUTURE ACRM EVENTS:** ACRM.org/meetings

HILTON ATLANTA is the optimum headquarters for the ACRM Conference. Superb onsite amenities + easy access to the best of Atlanta right outside the door — make this the ultimate venue for efficient collaboration, interdisciplinary magic, and an extraordinary stay.

A limited number of rooms are reserved with ACRM-negotiated discounted rates: \$189 / night regular rooms (single/double) and \$140** / night for Government rooms (single/double)** plus taxes, pending change later this year



BOOK HOTEL: Book through the ACRM website ACRM.org/hotel or call Hilton +1.800.445.8667. When calling, be sure to use these group codes to receive the ACRM-only discounted rate: “ACRM” and or government rooms: “ACRM3.”

ACRM VALUE: ACRM’s discounted rates can save members as much as up to 30 - 40% per night over the hotel’s regular market rates. So the savings can be significant by booking your room through ACRM. But don’t delay — rooms at these rates are selling fast. **BOOK NOW!**

TOP REASONS to BOOK & STAY at ACRM HEADQUARTERS HOTEL:

- ◆ **SAVE TIME** — staying right in the ACTION
- ◆ **SAVE MONEY** — book your room through ACRM and SAVE
- ◆ **CONVENIENCE** — you are only an elevator ride away from everything ACRM
- ◆ **HEALTH CLUB** — stay fit in the hotel gym. Enjoy the rooftop basketball court and running track with city views
- ◆ **SURPRISES** — Bonus surprises available only to those staying at Hilton Atlanta, including 10% discounts in the newly reinvented Southern Elements restaurant and Marketplace, the 24-hour quick-serve café serving Starbucks® coffee, Krispy Kreme donuts and more.
- ◆ **HILTON HONORS** — Join Hilton Honors through the ACRM Fast Track to GOLD program and get EXTRA points and all the cool member benefits including digital check-in.
- ◆ **GET THE HILTON HONORS APP** — TIP: It’s really VERY handy!

More travel info: www.ACRM.org/venue

PLEASE BOOK YOUR HOTEL NOW
Rooms are going fast. The ACRM discounted rooms will likely sell out.

Hilton
Stay at the headquarters hotel, the HILTON ATLANTA and enjoy the benefits!

ACRM **Hilton HONORS**
FAST TRACK

The ACRM HILTON HONORS FAST TRACK offer gives ACRM members a jumpstart to Hilton Honors GOLD status, EXTRA points and immediate access to members-only benefits. ACRM Mid-Year Meetings and Annual Conferences for the next FIVE years will be held at Hilton properties. Sign-up information is in the member login at ACRM.org and is included in your conference confirmation email. Enjoy the benefits every time you stay at a Hilton hotel.



6-DAY WORLD PASS

SAVE NEARLY 50% OFF a la carte pricing

INCLUDES access to all SIX days*: CORE registration PLUS access to all Pre-Conference Instructional Courses, Early Career Development Course, Parkinson's Disease Course for Speech Language Pathologists, up to 44 CME/CEU credits, ticket to the Henry B. Betts Awards Dinner & Gala, and conference slides (PDFs).



PASS COMPARISON

(Prices in parenthesis below indicate the a la carte cost if purchased separately from the WORLD PASS.)

3.5 DAY CORE PASS 	6-DAY WORLD PASS 
--	--

PRICE RANGES OF EARLY BIRD RATES

\$449 - 799	\$699 - 999
-------------	-------------

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)	✓	✓
 Moderated Panel Discussions	✓	✓
 Awards Lectures	✓	✓
 Scientific Posters — hundreds!	✓	✓
 ACRM Community Meetings:° <i>Interdisciplinary Special Interest Groups (SIGs), Networking Groups, Task Forces & Committees. A few are invitation only</i>	✓	✓
 Henry B. Betts Awards Gala: FRI evening (\$149 - 199)		✓
 CME/CEU credits for CORE CONFERENCE (\$149)		✓
 ACRM EXPO:	✓	✓
 Poster Grand Rounds	✓	✓
 Chat with the Experts	✓	✓
 Product Theater	✓	✓
 Reception I in EXPO / POSTER Hall: WED evening	✓	✓
 Reception II in EXPO / POSTER Hall: THU evening	✓	✓
 INSTRUCTIONAL COURSES: MON, TUE, WED, SAT (\$99.50 - 499)		✓
 Early Career Development Course: WED (\$299 - 599)		✓
 Parkinson's Disease Course for Speech Language Pathologists: SAT (\$249 - 599)		✓
 Conference Slides / PDFs (\$99 - \$749) <i>Digital access to all available symposia and pre-conference instructional course slide presentations (PDFs). A few content leaders elect not to have their slides available to attendees, therefore some sessions may not be included. Cognitive Rehabilitation Training and Early Career Development Course are not included.</i>		✓



“Welcome First-timers!”

If this will be your first time at ACRM, you are in good company. Each year we welcome many newcomers into this friendly family. We have special plans to help you feel at home here. You and the whole rehab team are welcome at ACRM.

°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.

See pricing details and terms & conditions at: ACRM.org/pricing

REGISTER NOW!

ACRM.org

OR

 +1.703.435.5335

SAVE BIG!

EARLY BIRD RATES END SOON

Registered yet?

3 WAYS TO REGISTER:



ONLINE www.ACRMconference.org



REG FORM www.ACRM.org/regform (print/ mail/ fax/ email)



PHONE +1.703.435.5335



THANK YOU

EXHIBITORS as of 31 May 2017



SUPPORTING SPONSORS



For information on exhibiting and sponsoring, please contact: Jenny Richard at JRichard@ACRM.org or phone +1.703.574.5845 or complete this inquiry form: www.bit.ly/SponsorInquiry

ACRM
94th Annual
Conference

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



THE world's
largest interdisciplinary
rehabilitation
research conference

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

EARLY BIRD rates from \$99.⁵⁰ instructional course, \$449 CORE Conference, \$699 WORLD PASS

REGISTER NOW! EARLY BIRD Rates end soon. ACRM.ORG/register

www.ACRM.org TEL: +1.703.435.5335



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.

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.





ACRM_CA / CODE

FPO: INK-JET Messaging for mailings:
HURRY... EARLY BIRD RATES END SOON!
from only \$99.50 Instructional Course,
\$449 CORE Conference, \$699 WORLD PASS

If you are not interested in the very latest rehabilitation research and interdisciplinary collaboration coming to Atlanta, kindly pass along this brochure to a colleague who is. **THANK YOU!**

NON PROFIT
U.S. POSTAGE
PAID
CAPITOL HEIGHTS, MD
PERMIT NO. 4168

<PREFIX><FIRST NAME> <LAST NAME>
<ORG>
<ADDRESS LINE 1>
<ADDRESS LINE 2>
<CITY><STATE/TERRITORY><COUNTRY>
<POSTAL CODE>

Improved function within reach

Personalized targeted treatment of severe spasticity



Redefining severe spasticity

Severe spasticity may best be defined not with a number, but with how problematic it is to a patient and caregiver¹

Time-tested

Physicians have counted on the established safety and efficacy profile of Lioresal[®] Intrathecal for over 20 years^{2,3}

Personalized dosing—right where it's needed

ITB TherapySM with Lioresal[®] Intrathecal delivers customized doses directly to the CSF to treat severe spasticity²

Satisfaction

94% of caregivers reported they would elect for ITB TherapySM with Lioresal[®] Intrathecal once again if needed⁴

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

For information on ordering, call **877.594.9546**



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.