all about the research
bring research to practice faster

INTERDISCIPLINARY

www.ACRMconference.org
welcome all!
Everyone is invited!
Researchers, clinicians, consumers, family & caregivers

92.3% recommend this event

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65+ countries represented

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renowned names in rehab

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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.

REGISTER NOW! Early Bird Rates

Register early and save! Early Bird registration rates* from:

- 3.5 DAY CORE Pass from $449
- 6 DAY Conference Pass from $699

*Pricing shown is for student/resident/fellow/consumer (non-professional caregiver). For all rates: ACRM.org/rates.

*NEW! CME/CEUs and digital access to conference slides are now included in the price

TOO MUCH TO PRINT!

<< All sessions & details are in the online program ACRM.org/onlineprogram
Your research matters. And the world needs to know. Come to ACRM and share it!

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  
ACRM PRESIDENT  
EULA C. AND ANDREW C. CARLOS MS REHABILITATION AND WELLNESS PROGRAM AT SHEPHERD CENTER

This is going to be FANTASTIC. Tell your colleagues!

You — and your entire rehab team — are welcome at ACRM. If you’ve been to a Conference 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 CO-CHAIR  
ACRM PRESIDENT-ELECT  
CEDARS-SINAI HEALTH SYSTEM

The ACRM Conference is well attended by leaders from all over the field in every discipline

ACRM is a place where I can meet face-to-face with collaborators, meet new people, welcome new early career individuals into the fold, help educate and collaborate. ACRM is a GREAT place to be.

STEPHANIE KOLAKOWSKY-HAYNER, PhD, CBIST, FACRM  
ANNUAL CONFERENCE PROGRAM COMMITTEE CO-CHAIR  
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI

ACRM has provided me with some of my most valued lifelong professional associations & friendships

ACRM and the annual meeting provide the ideal venue for learning, contributing and networking, bringing together all the rehabilitation disciplines from around the world involved in rehabilitation research and clinician care. As a physician with interests spanning clinical care, research and promoting best practices in rehabilitation health care delivery, ACRM has been so valuable to me in developing and enriching my career, learning, teaching and connecting with colleagues.

DOUGLAS KATZ, MD, FACRM, FAAN, FANA, FASNR  
ACRM PAST-PRESIDENT  
BOSTON UNIVERSITY SCHOOL OF MEDICINE, BOSTON UNIVERSITY NEUROLOGY ASSOCIATES, HEALTHSOUTH BRAINTREE REHABILITATION HOSPITAL
ACRM is an intensive 3.5 day conference — filled with the brightest in the field of physical rehabilitation.

ACRM has 20+ unique community groups where like-minded health care and research colleagues network, collaborate and pursue choice projects and product development initiatives that push the rehab field forward.

You are invited to join our meetings in Dallas. Join us. Be moved.

WHO ATTENDS

Everyone is welcome at ACRM — all rehabilitation professionals, administrators, researchers, clinicians, consumers, family members, and caregivers.

Here’s just a sample of some of the more common attendee types:

› Administrators
› Athletic Trainers
› Bioengineers
› Biomechanists
› Caregivers
› Case Managers
› Clinical Epidemiologists
› Clinical Researchers
› Family, Spouses/Partners
› Movement and exercise specialists
› Neuropsychologists
› Neurosurgeons
› Nurses
› Occupational Therapists
› Physiatrists
› Physical Therapists
› Physicians
› Professors/Educators
› Psychiatrists
› Psychologists
› Recreational Therapists
› Rehabilitation Nurses
› Rehabilitation Psychologists
› Rehabilitation/Academic Researchers
› School Administrators
› School Nurses
› Speech-Language Professionals
› Students/Postdoctoral Fellows
› Teachers
› All members of the rehabilitation team
› Those with disabling conditions and their families
The ACRM Annual Conference will challenge and inspire you to soak up the latest research & make a significant impact to help IMPROVE LIVES.

OUR ATTENDEES & FACULTY ARE FROM ORGS LIKE THESE:

- ABI Rehabilitation
- AbilityLab
- ACOEM
- Alta Bates Summit Medical Center
- Amana Healthcare
- Avanir Pharmaceuticals Inc.
- Barrett Technology
- Biodex Medical Systems, Inc.
- Bitácora - Centro de Neuropsychología
- Boston Medical Center
- Brain Education Strategies & Technology
- Brain Injury Research Center for Mount Sinai
- Bright Cloud International Corp.
- Brooks Rehabilitation
- Bryan Health
- California Rehabilitation Institute
- CARF International
- Casa Colina Hospital
- Cedars-Sinai
- Center for Large Data Research and Data Sharing in Rehabilitation
- Centre for Neuro Skills
- Children’s Healthcare of Atlanta Rehabilitation Services
- Children’s Hospital of Alabama
- Cleveland Clinic
- Colorado State University
- Courage Kenny Rehabilitation Institute, part of Allina Health
- Craig Hospital
- Dartmouth College
- Department of Physical Medicine and Rehabilitation, Rush University Medical Center
- Department of Rehabilitation Medicine at the Icahn School of Medicine at Mount Sinai
- Duke University
- Dynoif
- Ekso Bionics®
- Encompass Health
- g.tec neurotechnology USA, Inc.
- Galileo Therapy
- George Mason University
- George Washington University
- Hanger Clinic
- Harvard Medical School
- HealthSouth Corporation
- Helius Medical Technologies, Inc.
- Hines VA Hospital
- Hocoma/Motek
- Hokuto Hospital / Tokachi Rehabilitation Center
- Indiana University School of Medicine Department of Physical Medicine & Rehabilitation
- JFK - Johnson Rehabilitation Institute
- Johns Hopkins Hospital
- Kennedy Krieger Institute
- Kent State University
- Kessler Foundation
- Kessler Institute for Rehabilitation
- King Fahad Medical City
- Mary Free Bed Rehabilitation Hospital
- Mayo Clinic
- McMaster University
- MD Anderson Cancer Center
- Merz Neurosciences
- Michigan State University
- Model Systems Knowledge Translation Center (MSKTC)
- Moss Rehabilitation Research Institute
- Motekforce Link BV
- Mount Sinai Medical Center
- Myomo Inc.
- National Stroke Association
- Neofect
- NEOFECT USA, Inc.
- NeuroRestorative
- NIH MR3 Network
- NIH/NINDS
- Northwestern University
- Ohio State University Wexner Medical Center
- Paradigm
- Paralyzed Veterans of America
- Parker Hannifin
- Parkinson’s Disease Foundation
- Pate Rehabilitation
- Penn State College of Medicine
- Physiofunction
- ProtoKinetics Gait Analysis Walkways
- Purdue University
- Quality Living Inc.
- Rehab Associates of Chicago
- Rehab Without Walls NeuroSolutions
- Rehabilitation Hospital of Indiana
- Rehabilitation Sciences Institute, University of Toronto
- Restorative Therapies Inc.
- ReWalk Robotics
- Rifton
- Rusk Rehabilitation at NYU Langone
- Samsung Medical Center
- Santa Clara Valley Medical Center
- Saol Therapeutics
- Seattle Children’s Hospital
- Seton Hall University
- Shepherd Center
- Spaulding Rehabilitation Hospital
- Spectrum Health NeuroRehab Services
- St. Mary’s Hospital for Children
- StepScan Technologies Inc.
- Sultan bin Abdulaziz Humanitarian City
- Sunnaas Rehabilitation Hospital
- Swedish Cancer Institute
- Taipei Veterans General Hospital
- Tekscan, Inc.
- Tennessee State University
- The Amputee Coalition
- The Brain Injury Rehabilitation Center
- The Mind-Eye Connection
- The Ohio State University
- The University of Texas MD Anderson Cancer Center
- TIRR Memorial Hermann
- Tree of Life and Concussion Care Centre of Virginia
- UAB Department of Physical Medicine & Rehabilitation
- UCLA
- UHN Toronto Rehab, University of Toronto
- Umea University, Sweden
- University of Alabama at Birmingham
- University of California
- University of Colorado Anschutz Medical Campus
- University of Cyprus
- University of Delaware
- University of Florida
- University of Illinois
- University of Illinois at Chicago
- University of Oregon
- University of Toronto
- University of Virginia
- University of Wisconsin
- VA Boston Healthcare System
- VA Palo Alto
- Vanderbilt University
- Veteran Affairs — dozens more offices
- Virginia Commonwealth University
- Washington University
- Weill Cornell Medical College
- Wesleyan University
- West Virginia University
- Youngstown State University
- and hundreds more...
What they say...

DEBORAH BACKUS, PT, PHD, FACRM
ACRM President
Director, Multiple Sclerosis Research at Shepherd Center, Eula C. and Andrew C. Carlos MS Rehabilitation and Wellness Program at Shepherd Center

“I've been a member of ACRM since 2004. It’s been my professional home because of its vision and mission to help all people with disabilities and because of the interdisciplinary nature, we cross all disciplines and we combine research and we combine clinical practice, and we are using it all together to make a difference in the lives of people with disability.

Have you registered yet for ACRM in Dallas? We need your research, we need your brain, and we need your passion. Have you talked to your friends about ACRM yet? Have you told them about the passion and the motivation and the work that people are doing here?

Your research matters, and the world needs to know. Come to ACRM and share it.”

ACRM.org/president

MONIQUE PAPPADIS, MED PHD
University of Texas Medical Branch at Galveston

KRISTINE KINGSLEY, PSYD, ABPP-R
Rusk Rehabilitation at NYU Langone Medical Center

“I think ACRM is a great place for early career rehabilitation professionals to network, to be involved in projects and to improve their career in rehab. I love the opportunities and making friendships with so many individuals from all over the US and internationally.” — Monique

“I feel great to be at ACRM. It's a great place to meet not just colleagues but also family.” — Kristine

ACRM.org/friends

PRESTON HARLEY, PHD, FACRM
Director, Neuropsychology, Advocate Christ Medical Center, Chicago, IL

“This is an incredible bunch of professionals, who are working together in rehabilitation. ACRM is a totally unique organization. I belong to a lot of national and international organizations, but ACRM is different because it provides an opportunity to interact with with physicians, psychologists, physical therapists, occupational therapists, and speech pathologists.

The best part about ACRM is the provision of knowledge and cutting-edge research, and the collegial interactions of all of the individuals who attend.”

ACRM.org/harley

“ACRM is a totally unique organization.”

See video testimonials: ACRM.org/vids

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ACRM.org/onlineprogram
“The ACRM Conference is well attended by leaders from all over the field in every discipline”

STEPHANIE KOLAKOWSKY-HAYNER, PHD, CBIST, FACRM
ACRM Program Committee Co-Chair
Associate Professor of Rehabilitation Medicine, Icahn School of Medicine at Mount Sinai

“ACRM is a place where I can interact with people from all over the world, come face-to-face with collaborators, meet new people, welcome early career individuals, help educate, and collaborate. ACRM is a GREAT place to be.”

ACRM.org/stephanie

STEPHEN PAGE, PHD, OTR/L, MS, MOT, FAHA, FACRM, FAOTA
Professor, Ohio State University Medical Center

“ACRM is like a little big town. It’s still small and intimate enough that you can get to know people who are leaders in the field, and its large enough that its populated by a lot of diverse groups — a lot of people with diversity in training. And that offers up a lot of opportunities for career mentoring. We are one of the few organizations in the rehabilitative field that offers career mentoring, early career programming, and even offers opportunities to learn about how to publish in our journal, how to structure grants, structure abstracts. That kind of mentoring just doesn’t exist in other professional organizations that are appropriately focused on clinical practice but not focused on rehabilitation research. And that’s why ACRM is the world’s largest interdisciplinary rehabilitation research organization.”

ACRM.org/page

THERESA PAPE, DRPH MA CCC-SLP/L
Neuroscientist, Clinical Neuroscientist and Research Associate Professor, US Department of Veteran’s Affairs, Hines VA and Northwestern Feinberg School of Medicine

“ACRM is my professional community. It’s the organization where I found the most collaborators with interdisciplinary expertise. I can easily work with measurement experts as well as neurologists and clinicians, other key methods people and others who I need to work with in order to conduct my clinical trials. We would LOVE to have your proposal submissions for 2018 in Dallas. Maybe you developed a new method, or you’re an early career person and you’ve developed a new method — we would love to see your posters & your papers submitted.”

ACRM.org/pape

“All together we IMPROVE LIVES”

Early bird rates now in progress.
Secure your spot. REGISTER >>
ACRM.org/register

network > collaborate > improve > #ACRM2018
JESSICA JARVIS, MT-BC  
Postdoctoral Research Associate, University of Illinois at Chicago  
“This is my third time at ACRM, my first time post-PHD, so it’s my first time as a “professional grown-up” so I’m pretty excited. This is my first submission post-doctoral work and it received an ACRM award which is really exciting and validating for me as a new professional. ACRM highlights the idea that this interdisciplinary approach is needed and appreciated and that we can produce some really valued work, so it’s really exciting and encouraging for me”  
ACRM.org/jarvis

SARAH CALLAHAN, MOT OTR/L  
Occupational Therapist/Clinical Research Scientist, Shepherd Center  
“ACRM has been awesome as a new researcher & occupational therapist. I went to the Early Career Development Course three years ago, and found it so helpful to start to understand the research landscape better and to know what resources where available to me as an early career professional. The course helped me start to meet people and to network. I went to the Early Career Development Course again this year and thought it was really encouraging to look back and see what things made a whole lot more sense and compare a bit where I am today with where I was three years ago. It was fun.”  
ACRM.org/callahan

JACQUELINE STEVENS  
Colorado State University  
“The best thing about ACRM for me is meeting up with my OT colleagues from grad school, and my interdisciplinary colleagues, and people who I can continue to collaborate with or who I meet and get to collaborate in the future — it’s a really great place to network. ACRM is GREAT! You have rehab professionals here and they’re a fun lot. I think the most fun thing is catching up with my colleagues and it’s like we’re back in school and it’s awesome.”  
ACRM.org/stevens

The annual ACRM Early Career Development Course  
This full day workshop is designed to help catapult your career. Experience up-close, casual, interactive exchanges with mentors who care about your and your trajectory. Course is included in the WORLD PASS, but space is limited so register early. See the incredible faculty line-up and topics: ACRM.org/ecd
Early Career Development Course

“Pearls, Possibilities & Pitfalls: Writing Successful Grants and Manuscript Submissions”

Held the day the CORE Conference kicks-off, the Early Career Development Course is a perennial favorite.

This unique session is incredibly valuable because early career researchers are directly connected with seasoned professionals who serve as mentors and answer specific questions — from career development to funding opportunities, among other burning topics.

KEYNOTE SPEAKER
ALLEN HEINEMANN, PhD, ABPP, Editor-in-Chief ARCHIVES of Physical Medicine & Rehabilitation, Professor of Physical Medicine and Rehabilitation, Emergency Medicine and Medical Social Sciences, Northwestern University.

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.

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

LIMITED SPACE REGISTER NOW >>>

SEE DETAILS, AGENDA & REGISTER
www.ACRM.org/ecdc
Powerhouse Presenters...

PLENARY I
ERWIN E. H. VAN WEGEN, PHD
Associate Prof., Amsterdam University
Moving From Clinician Centered Towards Patient Engaged Rehab Research: European and USA Comparisons

PLENARY II
KIRK I. ERICKSON, PHD
Professor, Dept of Psychology, Univ. of Pittsburgh
Aging, Exercise & Brain Plasticity

PLENARY III
SAM SCHMIDT, MBA
Schmidt Peterson Motorsports; Founder, Conquer Paralysis Now
Breaking Barriers: Sam Schmidt & the SAM Car Project

PLENARY IV
MARK S. NASH, PHD, FACSM
Professor, Depts of Neurological Surgery & Physical Medicine & Rehabilitation, Leonard M. Miller School of Medicine, Univ. of Miami

TEACHING KITCHENS AS LEARNING LABORATORIES FOR REHAB PATIENTS & THEIR MEDICAL PROVIDERS
DAVID EISENBERG, MD
Director of Culinary Nutrition Adjunct Associate Professor, Dept. of Nutrition Harvard T.H. Chan School of Public Health

SPECIAL SYMPOSIUM: MEASUREMENT
Big Data in Stroke: Current Applications and Future Possibilities
KENNETH OTTENBACHER, PHD, OTR
Professor, Director, University of Texas Medical Branch Public Health

SPECIAL SYMPOSIUM: SPINAL CORD INJURY
Health Care Reform and Rehabilitation for People with SCI
GERBEN DEJONG, PHD
Director of the Center for Post-acute Innovation and Research at the MedStar National Rehabilitation Network

SPECIAL SYMPOSIUM: CROSS-CUTTING
Treatment Infidelity: Causes, Consequences & Cures
GITENDRA USWATTE, PHD
Professor of Psychology and Physical Therapy, University of Alabama at Birmingham

SPECIAL SYMPOSIUM: CANCER
Report from the American College of Sports Medicine’s Interdisciplinary Cancer Exercise Roundtable
NICOLE STOUT, PT, DPT, CHT-LANA, FAAPTA
Consultant, JeServicesLLC

SPECIAL SYMPOSIUM: CROSS-CUTTING
2nd Annual Women in Rehabilitation Science Symposium
JULIE SILVER, MD
Associate Professor, Assoc. Chair, Director Cancer Rehabilitation, Harvard Medical School & Spaulding Rehabilitation Network

SPECIAL SYMPOSIUM: NEURODEGENERATIVE DISEASE
“Disparities Of Cardiometabolic Risk Assessment And Intervention In Persons With Disabilities: At The Fork In The Road?”
JAMES CAROLLO, PHD, PE
Associate Professor, University of Colorado Anschutz Medical Campus

SPECIAL SYMPOSIUM: SPINAL CORD INJURY
Report from the American College of Sports Medicine’s Interdisciplinary Cancer Exercise Roundtable
JULIE SILVER, MD
Associate Professor, Assoc. Chair, Director Cancer Rehabilitation, Harvard Medical School & Spaulding Rehabilitation Network

PATRICIA HEYN, PHD, FGSA, FACRM
Associate Professor, Univ. of Colorado Anschutz Medical Campus

SPECIAL SYMPOSIUM: CROSS-CUTTING
2nd Annual Women in Rehabilitation Science Symposium
SONYA KIM, PHD, CRC, BCB
Associate Professor, Gazi University, Institute of Health Sciences

HANNES DEVOS, PHD, DRS
Director, Laboratory for Advanced Rehab. Research in Simulation (LARRS), University of Kansas Medical Center

SPECIAL SYMPOSIUM: SPINAL CORD INJURY
Report from the American College of Sports Medicine’s Interdisciplinary Cancer Exercise Roundtable
JULIE SILVER, MD
Associate Professor, Assoc. Chair, Director Cancer Rehabilitation, Harvard Medical School & Spaulding Rehabilitation Network

PATRICIA HEYN, PHD, FGSA, FACRM
Associate Professor, Univ. of Colorado Anschutz Medical Campus
SPECIAL SYMPOSIUM: TECHNOLOGY
Development and Testing of Wearable Technology to Monitor/Model for Recovery of Function After Neurologic Injury

DAVID REINKENSMEYER, PHD
Professor of Mechanical and Aerospace Engineering and Anatomy and Neurobiology, University of California Irvine

CATHERINE LANG, PT, PHD
Professor of Physical Therapy, Neurology, Occupational Therapy, Washington University School of Medicine in St. Louis

BRUCKER SPECIAL SYMPOSIUM
Ears, Eyes and Mind: The SENSE-Cog Project to Promote Well-Being for Elderly Europeans

IRACEMA LEROI, MD FRCP, MRCPSYCH
Professor/Honorary Consultant in Psychiatry, University of Manchester/Greater Manchester Mental Health & NHS Foundation Trust

SPECIAL SYMPOSIUM: HEALTH SERVICES RESEARCH: QUALITY IMPROVEMENT AND IMPLEMENTATION SCIENCE
Post-acute Health Services Research: Many Challenges, Many More Opportunities

JAMES GRAHAM, PHD, DC
Associate Professor, University of Texas Medical Branch

KENNETH OTTENBACHER, PHD, OTR
Professor, Director, University of Texas Medical Branch Public Health

NATALIE LELAND, PHD, OTR/L, BCG, FAOTA
Assistant Professor, University of Southern California

AMOL KARMARKAR, PHD
Assistant Professor, University of Texas Medical Branch

TRACY MROZ, PHD, OTR/L
Assistant Professor, University of Washington

JANET PRVU BETTGER, SCD
Associate Professor, Director of Health Policy and Implementation Science, Duke University

SPECIAL SYMPOSIUM: TECHNOLOGY
Heart Rate Variability Biofeedback as a Rehabilitation Tool: An Exercise that Improves Health and Resilience

PAUL LEHRER, PHD, BCB
Professor Emeritus of Psychiatry, Department of Psychiatry, Rutgers Robert Wood Johnson Medical School

SPECIAL SYMPOSIUM: COMPLEMENTARY INTEGRATIVE REHABILITATION MEDICINE
Heart Rate Variability Biofeedback as a Rehabilitation Tool: An Exercise that Improves Health and Resilience

PAUL LEHRER, PHD, BCB
Professor Emeritus of Psychiatry, Department of Psychiatry, Rutgers Robert Wood Johnson Medical School

NEURODEGENERATIVE DISEASES LECTURE LUNCHEON
Fit Body, Fit Brain: Exercise is the Key

KIRK ERICKSON, PHD
Professor, Department of Psychology, University of Pittsburgh

ACRM DISTINGUISHED LECTURER IN CANCER REHABILITATION AND SURVIVORSHIP CARE
Integrating Research, Practice and Policy Agendas to Transform Cancer Rehabilitation Care

CATHERINE ALFANO, PHD
Vice President, Survivorship, American Cancer Society, Inc

ACRM DISTINGUISHED LECTURER IN CANCER REHABILITATION AND SURVIVORSHIP CARE
Integrating Research, Practice and Policy Agendas to Transform Cancer Rehabilitation Care

YOUSSEF EZZYAT, PHD
Senior Data Scientist, University of Pennsylvania

HOT TOPICS IN STROKE
Stroke Caregiver Readiness: Coming Full Circle

BARBARA LUTZ, PHD, RN, CRRN, PHNA-BC, FAHA, FNAP, FAAN
McNell Distinguished Professor, University of North Carolina-Wilmington

MOLLY TRAMMELL, PT, MPT
Physical Therapist, Baylor University

SPECIAL SYMPOSIUM: NEUROPLASTICITY
Closed-loop Stimulation of Temporal Cortex Improves Memory

YOUSSEF EZZYAT, PHD
Senior Data Scientist, University of Pennsylvania

SPECIAL SYMPOSIUM: STROKE
Transforming Clinical Practice in Stroke Rehabilitation

ROBERT TEASELL, MD, FRCP (C)
Professor, Director of Research, Parkwood Institute

ACRM DISTINGUISHED LECTURER IN CANCER REHABILITATION AND SURVIVORSHIP CARE
Integrating Research, Practice and Policy Agendas to Transform Cancer Rehabilitation Care

KENNETH OTTENBACHER, PHD, OTR
Professor, Director, University of Texas Medical Branch Public Health

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MOLLY TRAMMELL, PT, MPT
Physical Therapist, Baylor University
### ACRM Annual Conference

**Progress in Rehabilitation Research**

**Translation to Clinical Practice**

---

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

### PRELIMINARY AT-A-GLANCE

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**2018**

28 SEPT 7:00 AM and may run as late as 9:00 PM

Conference activities start as early as ONE-DAY COURSE

**Instructional**

Full-day courses

Choose from a variety of half-day and full-day courses

**TWO-DAY COURSE**

Full-day courses

Choose from a variety of half-day and full-day courses

---

### FRI 28 SEP

- Instructional Courses
- ACRM Early Career Development Course (lunch included)

---

### SAT 29 SEP

- Instructional Courses
- ACRM Early Career Development Course (lunch included)

---

### SUN 30 SEP

- Instructional Courses
- ACRM Early Career Development Course (lunch included)

---

### MON 1 OCT

- **ACRM Community Group Meetings**

---

### TUE 2 OCT

- **ACRM Community Group Meetings**

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### WED 3 OCT

- **ACRM Community Group Meetings**

---

### CORE CONFERENCE

---

#### PLENARY II

- EXPO: Coffee Break / Product Theater / Chat with Experts

---

#### PLENARY III

- EXPO: Coffee Break / Product Theater / Chat with Experts

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### CONFERENCE HEADQUARTERS HOTEL

**Hilton Anatole**

2201 Stemmons Freeway, Dallas, Texas, USA

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**ACRM SPECIAL DISCOUNTED RATES:**
- $219/night for standard room plus taxes
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Pre-Conference Instructional Courses

The ACRM Pre-Conference Program is comprised of longer courses, workshops, and training to help you dive deep into special interest topics and pile on the maximum continuing education credits — up to 44.5 hours available for the whole ACRM Week. All courses on this page are included in the World Pass. Continuing education credits and conference slides are included. These events will likely sell-out — Register Today >> > ACRM.org/register.

**Friday 28 Sept**

<table>
<thead>
<tr>
<th>Time</th>
<th>ID Code</th>
<th>Course Title</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 AM</td>
<td>IC1</td>
<td>Regenerative Medicine in conjunction with Traditional Therapy in Treatment of TMD &amp; Related Dys.</td>
<td>EP, CIRM, PAIN</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>IC2</td>
<td>Coping-Skills Training Workshop: A Group Intervention Aimed to Improve Adjustment after BI</td>
<td>BI, CP, SCINDIC</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>IC3</td>
<td>Interdisciplinary Perspectives to Functional Measurement and Assessment of the Stroke Survivor</td>
<td>SCINDIC, MES</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>IC4</td>
<td>Measuring Up: An Introduction to Improving the Meaning of Clinical Assessments w/ Rasch Analysis</td>
<td>MEASUREMENT</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>IC4</td>
<td>Strength &amp; Neuromuscular Conditioning for Rehabilitation; the Fundamental Principles to Optimize Outcomes</td>
<td>EP, CROSS-CUTTING</td>
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**Saturday 29 Sept**

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<thead>
<tr>
<th>Time</th>
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<th>Course Title</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 AM</td>
<td>IC5</td>
<td>Approaches to Interdisciplinary Care in the PostAcute Setting</td>
<td>CP, HSA, MES</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>IC6</td>
<td>Kinesio Taping Hands-on Workshop</td>
<td>CIRM, CP</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>IC7</td>
<td>Restoring Voluntary Grasping Function After Stroke or Spinal Cord Injury Using Functional Electrical Simulation</td>
<td>NP, SCINDIC, STROKE</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>IC8</td>
<td>Advanced Topics in Longitudinal Data Analysis</td>
<td>MES, CROSS-CUTTING</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>IC9</td>
<td>Elevating Your Scientific Writing Prowess and Your Research Profile</td>
<td>CROSS-CUTTING, QUAL</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>IC10</td>
<td>Holistic Neuropsychological Rehabilitation International Updates, Debates and Resources</td>
<td>BRAIN INJURY INT, BRAIN INJURY PED, NP</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>IC11</td>
<td>Integrative Cognitive Rehabilitation Psychotherapy for Brain Injury An Overview</td>
<td>CP, CIRM, SCINDIC</td>
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<tr>
<td>8:30 AM</td>
<td>IC12</td>
<td>Integrating Outcome Measurement into Clinical Practice</td>
<td>CP, NP, SCINDIC</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>IC13</td>
<td>Latest Assessment and Treatment for Stroke, TBI and SCI to Accelerate Neurorehabilitation</td>
<td>CP, CROSS-CUTTING</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>IC14</td>
<td>Navigating Strengths in Interdisciplinary Teams: A Look in the Mirror</td>
<td>CP, NP, SCINDIC</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>IC15</td>
<td>Using Smartphone Apps as a Brain Prosthetic for Patients w/ Cognitive Challenges &amp; Fatigue</td>
<td>NP, SCI STROKE, TEC, BRAIN INJURY MUL</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>IC16</td>
<td>Manual Wheelchair Skills Assessment and Training: A Practical Workshop for Therapists</td>
<td>NP, SCI STROKE, TEC, CROSS-CUTTING</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>IC17</td>
<td>How Alexander Technique Can Complement Rehabilitation Research and Practice</td>
<td>CIRM, CROSS-CUTTING</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>IC18</td>
<td>How to Contribute to and/or Lead Clinical Research as a Physician or Rehabilitation Clinician</td>
<td>CIRM, CROSS-CUTTING</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>IC19</td>
<td>Matching Exercise Prescription to the Biomechanics of Walking in Rehabilitation to Optimise Mobility Outcomes</td>
<td>CIRM, CROSS-CUTTING, SCI CP</td>
</tr>
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**Sunday 30 Sept**

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<td>CP, SCI</td>
</tr>
<tr>
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<td>IC20</td>
<td>Education is not Enough: A Guide to Implementing ACRM Cognitive Rehabilitation Manual at Organizational Level</td>
<td>EP, BRAIN INJURY QUAL</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>IC21</td>
<td>Evaluating Evidence in Everyday Clinical Practice</td>
<td>EP, CAN</td>
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<tr>
<td>8:30 AM</td>
<td>IC22</td>
<td>Evaluation and Treatment for Chemotherapy-Induced Peripheral Neuropathy</td>
<td>CROSS-CUTTING, STROKE, GER, CAN</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>IC23</td>
<td>How to Find and Access Secondary Data for Your Research</td>
<td>EP, CAN</td>
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<tr>
<td>8:30 AM</td>
<td>IC25</td>
<td>Interprofessional Care for the Chronic Pain Population: Lessons From an Interdisciplinary Rehabilitation Program</td>
<td>NP, PED</td>
</tr>
<tr>
<td>8:30 AM</td>
<td>IC26</td>
<td>Item Response Theory (IRT) and Its Applications to Rehabilitation Outcomes Assessment</td>
<td>MEASUREMENT, EP, QUAL</td>
</tr>
</tbody>
</table>
| 8:30 AM    | IC27    | Multidisciplinary Treatment: An Innovative Approach to Facial Palsy                               | CP, CIRM, INT
| 8:30 AM    | IC28    | Novel BCI Approaches Boosting Neuroplasticity After Stroke and Providing Fast Objective Assessment in DOC Patients | AN, NP, CROSS-CUTTING |
| 8:30 AM    | IC29    | Rhythm and the Motor System: New Opportunities for Gait Training                                 | AN, NP, CROSS-CUTTING |
| 8:30 AM    | IC30    | Stimulation Paradigms and Parameters After Spinal Cord Injury                                    | SCI, CIRM, CROSS-CUTTING |
| 8:30 AM    | IC31    | The NIH Toolbox: State of the Art Outcome Measures for Rehabilitation Practice & Research        | SCI, CROSS-CUTTING |
| 8:30 AM    | IC32    | User Centered Design of Technologies for Rehabilitation: A Discussion and Demonstration           | TEC, CROSS-CUTTING |

The ACRM 95th Annual Conference www.acrm.org 16 +1.703.435.5335 28 SEP - 3 OCT 2018 DALLAS HILTON ANATOLE USA

**Key:**
- AN: Arts & Neuroscience
- BI: Brain Injury
- CAN: Cancer rehabilitation
- CC: Cross-Cutting
- CIRM: Complementary, Integrative, Rehabilitation Medicine
- CP: Clinical Practice
- GER: GERiatric Rehabilitation
- HSR: Health Services Research
- INT: International
- LRR: Limb Restoration Rehabilitation
- LM: Lifestyle Medicine
- MES: Messurement
- MIL: Military/veterans affairs
- ND: Neurodegenerative Diseases
- NP: NeuroPlasticity (includes neuroscience)
- PAIN: Pain rehabilitation
- PED: Pediatric rehabilitation
- QUAL: QUALity Improvement & Implementation Science
- SCI: Spinal Cord Injury
- ST: Stroke
- TEC: Technology (robotics, assistive technology, mHealth)

While this course is included in the World Pass, this incredible Early Career course includes networking box lunch and has a separate pricing structure when purchased a la carte.
SATURDAY 29 SEPT

SAT 8:30 AM - 12:30 PM  ICS: Approaches to Interdisciplinary Care in the PostAcute Setting 
STYLE: Lecture  FOCUS: Clinical Practice, Health Services Research  MES  FACULTY: Elissa Charbonneau, HealthSouth Corp; Bud Langham, Encompass Health - Home Health and Hospice Division; Tedra Cleveland, HealthSouth Corporation; Becky Bradley, HealthSouth Corporation

This course will highlight the approach to interdisciplinary care in the PostAcute Setting. Attendees will hear from Clinical Leaders from Encompass Health Corp. Our company provides inpatient rehabilitation and home health and hospice services. We will outline our approach from evaluation of patients in the acute care setting to determine the most appropriate post acute environment, through inpatient rehabilitation and home health services. We will define the role of the clinical navigator and Care Transition Coordinator and share strategies we use to collaborate and reduce the risk of readmission to the acute care hospital during the episode of care.

SAT 8:30 AM - 12:30 PM  IC6: Kinesio Taping Hands-on Workshop
STYLE: Hands-on Workshop  FOCUS: Complementary, Integrative, Rehabilitation Medicine, Clinical Practice  FACULTY: Abhinav Yadav, Complete Rehab and Sports Therapy; Sandeep Biswas, Teton Orthopedics

Course designed to introduce participants to the science, assessment and application techniques of the Kinesio Taping® Method. Lecture Tutorials of the history, science and theory of stimulus transmission through skin and resulting therapeutic benefit across effertent and afferent systems is reviewed. Corrections for Epidermis, Dermis, Fascia, Space, and Muscle in case study format are presented.

SAT 8:30 AM - 12:30 PM  IC7: Restoring Voluntary Grasping Function After Stroke or SCI Using Functional Electrical Stimulation
STYLE: Hands-on Workshop  FOCUS: Neuroplasticy, Spinal Cord Injury, Stroke  FACULTY: Naaz Desai-Kapadia, Toronto Rehabilitation Institute-UHN; Debbie Hebert, Toronto Rehabilitation Institute-UHN; Dr.Milos Popovic, University of Toronto, Toronto Rehab Institute - University Health Network

One of the most promising approaches to improve motor function in individuals with neurological ailments is Functional Electrical Stimulation (FES). FES is a methodology that uses bursts of short electrical pulses to generate muscle contraction. If these electrical pulses are applied to motor nerves they can elicit action potentials that propagate along the axons towards the target muscle(s). The aim of this workshop is to illustrate the application of FES therapy for retraining upper extremity function, in particular grasping, in individuals with stroke and spinal cord injury.

continued…
Dive into details: ACRM.org/preconference

SATURDAY 29 SEPT

SAT 8:30 AM - 5:30 PM  IC8: Advanced Topics in Longitudinal Data Analysis
STYLE: Lecture  FOCUS: Measurement, Cross-Cutting  FACULTY: Allan Kozlowski, Mary Free Bed Rehabilitation Hospital; Keith Lohse, University of Utah
Rehabilitation researchers and clinicians often deal with outcomes that evolve over time and are not suited to binary categorization of pre- post-assessments, as is common in other areas of medicine and healthcare. This course will build on our previously offered introduction to modeling longitudinal outcomes in a lecture and practical workshop format. Advanced topics include methods to assess data and model structure visually, statistically, and conceptually, and to fit more complex models and outcome types. While not a prerequisite, course participants will benefit from having a working knowledge of the introductory course content and of the R environment.

SAT 8:30 AM - 5:30 PM  IC9: Elevating Your Scientific Writing Prowess and Your Research Profile
STYLE: Hands-on Workshop  FOCUS: Cross-Cutting, Quality Improvement and Implementation Science  FACULTY: Nicole Stout, 3eServicesLLC; Julie Silver, Harvard Medical School & Spaulding Rehabilitation Network; Leighton Chan, NIH Clinical Center Department of Rehabilitation Medicine
This IC will use an interactive lecture and workshop format to help you strengthen your scientific writing skills and elevate your research impact by focusing 3 principles: 1) Strong scientific writing skills enable you to succinctly portray findings, enhance the impact of your scientific work, and lead to high profile publications. 2) Receiving and providing strong peer review can make you both a better writer, a better mentor, and a better member of the research community. 3) Dissemination of your work should go beyond conference presentations and journal publications and can be portrayed as more than citations on your CV.

SAT 8:30 AM - 5:30 PM  IC10: Holistic Neuropsychological Rehabilitation: International Updates, Debates and Resources
STYLE: Hands-on Workshop  FOCUS: Brain Injury, International  FACULTY: Andrew Bateman, Oliver Zangwill Centre for Neuropsychological Rehabilitation; Dawn Neu mann, Indiana University; Ana Paula de Pereira, Universidade Federal do Paraná; Jan Egil Nordvik, Regional kompetansestjeneste for rehabilitering H50 ved Sunnaas sykehus
If you are a clinician working with people with Acquired Brain Injury this session will provide you with resources to help you assess, formulate and intervene efficiently and effectively. You will practice using a model to draw together assessment findings, patient self report and observations of family members to guide rehabilitation goal setting and interventions, consider how how templates provided can enhance communication with clients and their families, including cultural considerations; have a framework for holistic intervention that will include some detailed attention to cross cultural issues & a detailed focus on emotion recognition training.

SAT 8:30 AM - 5:30 PM  IC11: Integrative Cognitive Rehabilitation Psychotherapy for Brain Injury: An Overview
STYLE: Case Study Presentation  FOCUS: Brain Injury, Pediatric Rehabilitation, Neuroplasticity  FACULTY: Mark Peddotty, UNM
Clinicians will be introduced to an integrative cognitive rehabilitation psychotherapy model that includes assessment of three problem areas for treatment (cognitive, psychiatric, and substance abuse) and six levels of interventions (medication, cognitive retraining, internal compensatory strategies, external compensatory strategies, environmental adaptions and alternative interventions) for each of the three problem areas across all ages using a biocogpsychosocial model. Motivational interviewing will be discussed as a treatment intervention in assessing and addressing readiness to change. Four stages of treatment across the three problem areas will be described (surviving, healing, thriving, and ending) within setting up a treatment plan and monitoring progress.

SAT 8:30 AM - 5:30 PM  IC12: Integrating Outcome Measurement into Clinical Practice
STYLE: Lecture  FOCUS: Clinical Practice, Cross-Cutting  FACULTY: Pamela Roberts, Cedars-Sinai; Deborah Backus, Crawford Research Institute; Sarah Morrison, Shepherd Center; Trudy Mallinson, George Washington University; Maria Cecilia Alpasan, Cedars-Sinai; Richard Riggs, Cedars-Sinai
Determining which rehabilitation assessment outcomes to use is challenging. Some 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 for demonstrating value and to 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 and develop a framework that facilitates implementation of an outcomes model.

SAT 8:30 AM - 5:30 PM  IC13: Latest Assessment and Treatment for Stroke, TBI and SCI to Accelerate Neurorehabilitation
STYLE: Hands-on Workshop  FOCUS: Clinical Practice, Neuroplasticity, Spinal Cord Injury  FACULTY: Rebecca Martin, Kennedy Krieger Institute; Wise Young, W.M. Keck Center for Collaborative Neuroscience; Martin Runge, Geriatric Center Esslingen, private practice; Harald Schubert, Novotec Medical GMBH; Victoria Williams, Unique Body Solutions
This course will review the role of stem cell treatments, mechanography assessment and mechno-stimulation in the rehabilitation of patients with neurological dysfunction. Through participation clinicians will gain a greater understanding of the complimentary approach of stem cell treatments and high-intensity functional training for greater independence. Clinicians will develop new competencies in mecanotherapy to drive change in the damaged nervous system and achieve better outcomes in a shorter time making therapy more efficient. Case study demonstrations will focus on Stroke, TBI and SCI assessment, goal setting and treatment procedures for neuromuscular recovery, spasticity reduction, improved walking distance, flexibility, and balance.

SAT 8:30 AM - 5:30 PM  IC14: Navigating Strengths in Interdisciplinary Teams: A Look in the Mirror
This workshop based course will introduce interdisciplinary collaboration as a skill that can be learned and will provide structured opportunities to practice relevant skills and self-reflection. 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. Focus throughout the course will be directed towards recognizing individual strengths in order to maximize your role and impact and adapting your individual role throughout your career.

continued…
...continued

SATURDAY 29 SEPT

SAT 8:30 AM - 5:30 PM  IC15: Optimizing Outcomes in Wheelchair Skills & Maintenance Training Through Group & Remote Training

STYLE: Hands-on Workshop  FOCUS: Cross-cutting, Clinical Practice, Spinal Cord Injury  FACULTY: Lynn Worobey, University of Pittsburgh; Michael Boninger, University of Pittsburgh; R. Lee Kirby, Dalhousie University; Trevor Dyson-Hudson, Kessler Foundation; Rachel Cowan, University of Miami Miller School of Medicine; Mary Shea, Kessler Institute

Group training offers a mechanism to improve wheelchair skills and maintenance in the context of reduced lengths of stay across the rehabilitation continuum. We will present structured, evidence-based interventions in both of these domains and a train-the-trainer model that utilizes web-based training to improve clinician capacity to provide training. The workshop will include 1) rapid-fire presentations of research results from a multi-site randomized control trial 2) discussion of clinically-relevant outcome measures 3) hands-on practice with both training programs and 4) free teaching resources and outcome measures available to clinicians to enable delivery of training programs in one’s own clinical setting.

SAT 8:30 AM - 5:30 PM  IC16: Using Smartphone Apps as a Brain Prosthetic for Patients With Cognitive Challenges & Fatigue

STYLE: Demonstration  FOCUS: Technology, Brain Injury, Military / Veterans Affairs  FACULTY: Stacey Schwartz, Brain Education Strategies & Technology; Michelle Wild, Coastline Community College

Clients with traumatic brain injuries, strokes, multiple sclerosis, ADHD, chronic fatigue, Chemobrain, lupus and other conditions typically face challenges in memory, organization, executive functioning, energy, goal-setting/motivation and self-regulation. Training patients in how to use smartphone and tablet apps improves independence by addressing all these areas of cognitive challenge in a manner that is convenient and non-stigmatizing. See demonstrations of the seven apps that can be used to compensate for the majority of cognitive deficits experienced at work, home and school and learn how you can use them yourself in the rehabilitation process.

SAT 8:30 AM - 5:30 PM  IC17: How Alexander Technique Can Complement Rehabilitation Research and Practice

STYLE: Lecture  FOCUS: Complementary Integrative Rehabilitation Medicine, Cross-Cutting  FACULTY: Molly Johnson, University of the Incarnate Word; Monika Gross, The Poise Project; Rajal Cohen, University of Idaho

Alexander technique (AT) is an educational approach to improving patterns of posture and movement during everyday activities. Alexander-based programs show clients how to choose functional patterns that are thought to result in more efficient use of postural muscles. This course will introduce AT training as a tool to enhance the ability of patients to be more active and skilled partners in their own care and recovery. Additionally, it will give an overview of research on the clinical impact of AT training on target populations and will discuss the principles and mechanisms that may be linked to positive clinical outcomes.

SAT 1:30 PM - 5:30 PM  IC18: How to Contribute to and/or Lead Clinical Research as a Physician or Rehabilitation Clinician

STYLE: Mix of Lecture and Discussion  FOCUS: Cross-cutting, Clinical Practice  FACULTY: Brad Kurowski, Cincinnati Children's Hospital and University of Cincinnati College of Medicine; Flora Hammond, Indiana University School of Medicine; Michael Jones, Shepherd Center; Douglas Katz, Boston University / Braintree Rehab

The purpose of this course is to assist physicians, rehab clinicians, and key research staff in improving their skills and understanding of the principles and practices used in the successful execution of patient-oriented research. Participants will gain insights to enhance their ability to get involved in clinical research and perform quality research according to existing regulations and guidelines.

SAT 1:30 PM - 5:30 PM  IC19: Matching Exercise Prescription to the Biomechanics of Walking in Rehabilitation to Optimise Mobility Outcomes

STYLE: Lecture  FOCUS: Clinical Practice, Limb Restoration Rehabilitation, Cross-Cutting  FACULTY: Gavin Williams, Epworth Healthcare & University of Melbourne; Jennifer McGlinchey, The University of Melbourne

Optimizing gait in neurorehabilitation requires an understanding of the influence of acquired impairments on gait biomechanics. A framework to guide treatment selection is presented, illustrated by considering muscle strength. Muscle weakness is the main cause of mobility limitations in many neurological conditions. Strong evidence indicates that strength training improves muscle weakness, yet improvements have not translated into improved gait, with two recent reviews showing these interventions have not matched muscle function when walking. Better translation is likely to occur if interventions are better targeted, and a conceptual shift from strength training to targeted ballistic or power training occurs.

TOO MUCH TO PRINT!

<< All sessions & details are in the online program ACRM.org/onlineprogram

continued...
PRE-CONFERENCE INSTRUCTIONAL COURSES

SUNDAY 30 SEPT MORNING ONLY COURSES

Dive into details: ACRM.org/preconference

SUN 8:30 AM - 12:30 PM  IC20: Education is not Enough: A Guide to Implementing ACRM Cognitive Rehabilitation Manual at Organizational Level
STYLE: Hands-on Workshop  FOCUS: Clinical Practice, Brain Injury, Quality Improvement and Implementation Science  FACULTY: Larissa Swan, Rehabilitation Hospital of Indiana; Christopher Carter, Spaulding Rehabilitation Network; April Groff, Learning Services- North Carolina Region; Frank Becker, Sunnaas Rehabilitation Hospital, University of Oslo; Anne-Margrethe Linnestad, Sunn
A recent survey of participants in the ACRM Cognitive Rehabilitation Manual training found that a little more than half of the materials were being used beyond the practices of the individual respondents. This workshop will review the results of this survey along with an overview of Knowledge Implementation theory. A step-by-step guide based on this model will be presented as a tool for knowledge implementation, which can be used by participants to assist in incorporating CR methods and other EBI into their organizations. Attendees will have an opportunity to participate in exercises to formulate an implementation plan for their organizations.

SUN 8:30 AM - 12:30 PM  IC21: Evaluating Evidence in Everyday Clinical Practice
STYLE: Hands-on Workshop  FOCUS: Clinical Practice, Clinical Practice  FACULTY: Ronald Seel, Virginia Commonwealth University
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.

SUN 8:30 AM - 12:30 PM  IC22: Evaluation and Treatment for Chemotherapy-Induced Peripheral Neuropathy
STYLE: Half Lecture, Half Hands-On Workshop  FOCUS: Cancer Rehabilitation, Clinical Practice  FACULTY: Cynthia Cooper, Cooper Hand Therapy; Sherry Hite, City of Hope National Medical Center
Many people who have been treated with chemotherapy experience neuropathy that interferes with their activities of daily living and negatively impacts their overall quality of life. As more aggressive pharmacological agents are developed and survival rates increase in the future, the number of people affected is projected to grow. This presentation will 1) define CIPN; 2) demonstrate evaluation techniques that focus on the unique characteristics of CIPN; and 3) present evidence-based interventions targeting the neuromuscular system. Suggestions for home programs including therapeutic exercise, manual therapy, and sensory stimulation will be provided.

SUN 8:30 AM - 12:30 PM  IC23: How to Find and Access Secondary Data for Your Research
STYLE: Hands-on Workshop  FOCUS: Cross-Cutting, Stroke, Geriatric Rehabilitation  FACULTY: Kenneth Ottenbacher, University of Texas Medical Branch; Amy Pienta, Inter-university Consortium of Political and Social Research; Alison Stroud, Inter-university Consortium for Political and Social Research (ICPSR); Rachel Ward, Harvard School of Medicine
This workshop will highlight secondary data resources available for rehabilitation research. It will be led by researchers and archivists from the CLIR at the University of Texas Medical Branch and the ICPSR at the University of Michigan. Following a brief overview, two concurrent hands-on sessions will guide participants through the process of accessing and analyzing archived data from 1) the Boston RISE study, a community-based prospective cohort study on mobility and disability in older adults, or 2) the Stroke Recovery study, a clinical study examining relationships between neural output and biomechanical functions during ambulation in stroke and non-stroke participants.

SUN 8:30 AM - 12:30 PM  IC24: I Survived Critical Illness — Now What? Post-Intensive Care Syndrome Prevention, Identification, and Treatment
STYLE: Lecture  FOCUS: Clinical Practice, Cancer Rehabilitation  FACULTY: Emily Bodensteiner Schmitt, Mayo Clinic; Kristin Hall, Mayo Clinic Rochester
More than 5.7 million patients are admitted to U.S. intensive care units annually. Those who survive their intensive care unit stay are the lucky ones, right? Lucky to be alive, yes, but often those patients never return to their baseline level of mental health, cognition, and physical functioning. These new and lasting deficits following intensive care unit stay are collectively known as post-intensive care syndrome (PICS). This course will review the impacts of PICS on patients and families, discuss the relationship between delirium and PICS, and examine what therapists and health systems can do to minimize the impact of PICS.

SUN 8:30 AM - 12:30 PM  IC25: Interprofessional Care for Chronic Pain Population: Lessons From an Interdisciplinary Rehabilitation Program
STYLE: Lecture/Work Groups  FOCUS: Pain Rehabilitation, Clinical Practice, Pediatric Rehabilitation  FACULTY: Heidi Kempter, Cleveland Clinic Children's Hospital for Rehabilitation; Lauren Nelson, Cleveland Clinic Children's Hospital for Rehabilitation; Erin Brannon, Cleveland Clinic Children's Hospital for Rehabilitation; Kristen Buchanan, Cleveland Clinic Chil
This pre-conference instructional course seeks to accomplish three primary objectives: 1) describe the importance of interprofessionalism in clinical care, 2) discuss best practices for integrating team members of varied disciplines to enhance team effectiveness and improve patient outcomes and 3) identify at least 2 strategies that can be used to optimize clinical outcomes through interprofessionalism in your specific setting. The structure of the workshop will include lecture driven education, small group activity, and question and answer section that will actively engage the audience to enhance translation of skills to each participants work environment and discipline.
Outcomes Assessment

**STYLE:** Lecture  **FOCUS:** Measurement, Clinical Practice, Quality Improvement and Implementation Science  **FACULTY:** Chih-Hung Chang, Rehabilitation Institute of Chicago; Andrew Bodine, Shirley Ryan AbilityLab

Item response theory (IRT) holds great promise and has become increasingly popular in clinical outcomes assessment because it provides more effective methods of assessment tool development, analysis and scoring. In this instructional course, we will provide an overview of IRT models and discuss their applications to clinical outcomes measurement and management in physical medicine and rehabilitation research and practice. Specifically, we will discuss the following topics using empirical data: 1) fundamentals of IRT, 2) types of IRT models; 3) applications of IRT models (e.g., item reduction, differential item functioning and equating); and 4) innovations in outcomes assessment.

**FACULTY:** Richard Gerhson, Northwestern University; Allen Heinemann, Northwestern University; Cindy Nowinski, Northwestern University; Julie Hook, Northwestern University; Abigail Spaulding, Spaulding Rehabilitation Hospital; Victor Ibrahim, Regenerative Orthopedics and Sports Medicine; Michael Reilly, Georgetown University Medical Center; Gerd Fabian Volk, University of Jena; Chad Zatezalo, The Zatezalo Group

Facial palsy impacts over 1 million patients a year seeking medical guidance. Our multidisciplinary team is comprised of facial palsy experts in the fields of facial plastic surgery, ENT, regenerative medicine, ocularoplasty surgery and physical therapy. This course is designed to provide attendees knowledge of current treatment regimens, interventions and new innovative techniques for the facial palsy patient.

**FACULTY:** Jodi Barth, Center for Facial Recovery; Victor Ibrahim, Regenerative Orthopedics and Sports Medicine; Michael Reilly, Georgetown University Medical Center; Gerd Fabian Volk, University of Jena; Chad Zatezalo, The Zatezalo Group

This instructiional 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, practising communication, and other activities. This course may be interested 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.

**FACULTY:** Rachel Proffitt, University of Colorado; Ilaria Zagonari, Northwestern University; Michelle Woodbury, Medical University of South Carolina; John Morris, Shepherd Center; Mary Cooley, DynoFit

We are planning to provide hands-on training on a few of the commercially available stimulators to enable clinicians, researchers and consumers to safely handle electrical stimulation units to maximize muscle health after SCI. This workshop will serve as the basis for many disciplines who are willing to start an effective rehabilitation program using the technology of electrical stimulation, including physical therapists, occupational therapists, physicians, and exercise physiologists. The target audience will also include researchers and consumers who are likely to expand and benefit from applications of electrical stimulation.

**FACULTY:** Brendan Allison, UC San Diego; Slav Dimov, g.tec medical engineering GmbH; Vivek Prabhakaran, University of Wisconsin-Madison

Recent clinical research has demonstrated the profound impact of Rhythmic Auditory Stimulation (RAS) on the improvement of gait during neurologic rehabilitation. This presentation will cover the neural mechanisms responsible for rhythmic-motor entrainment, and discuss how innovative research led to the creation of RAS. The clinical research will also be presented along with case study video examples to demonstrate how RAS may be used with a variety of neurologic populations, including Stroke, TBI, PD, and MS. The attendees will learn the neuroscience foundation, how to apply these principles in their own practice, and areas for future research.

**FACULTY:** Ashraf Gorgey, Hunter Holmes McGuire VA Medical Center; T.Ann McElroy, Restorative Therapies Inc.

This introductory workshop presents instructional information and hands-on demonstration of the cutting edge measurement system to assess neurological and behavioral function — the NIH Toolbox®. The advantages of employing common measures across rehabilitation research and clinical practice will be addressed. Recent findings with the NIH Toolbox in spinal cord injury, stroke and traumatic brain injury will be described. Participants will acquire the basics of computer adaptive testing and modern psychometric approaches and the building blocks for administration of the NIH Toolbox® measures for emotional, cognitive, sensory and motor function via an iPad.

**FACULTY:** Richard Gerhson, Northwestern University; Allen Heinemann, Northwestern University; Cindy Nowinski, Northwestern University; Julie Hook, Northwestern University; Cindy Novinsky, Northwestern University; Tracey Wallace, Shepherd Center, Lynne Gauthier, The Ohio State University; Michelle Woodbury, Medical University of South Carolina; Lauren Sheehan, Neofect USA; John Morris, Shepherd Center; Mary Cooley, DynoFit

Technology is being increasingly incorporated into rehabilitation at all phases. Unfortunately, many companies and researchers have developed technologies that do not meet the needs of the rehabilitation consumer or clinic. The purpose of this instructional course is to present the work of researchers in field, highlighting the User Centered Design Processes these researchers have used in the development of their technologies. Researchers will present and demo the technology they have developed.
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:

1) THE MANUAL: Printed copy of the ACRM Cognitive Rehabilitation Manual ($150 value) including worksheets. Also available for purchase separately

2) ONLINE COURSE: Access to previously recorded Cognitive Rehabilitation Training ($395 value) audio with slides. Also available for purchase separately

3) CME/CEUs: 12.5 hours of continuing education in your choice of 10 disciplines

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.

2,000+ have already attended this popular training course
12.5 hours of continuing education in your choice of 10 disciplines
90% of attendees would likely recommend this training to colleagues

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CERTIFIED BRAIN INJURY INJURY TRAINING: THE OFFICIAL ACADEMY OF CERTIFIED BRAIN INJURY SPECIALISTS (ACBIS) COURSE

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.

Join more than 6,000 Certified Brain Injury Specialists worldwide and enjoy the support of the Academy offering brain injury education CEUs.

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