CSM PRESENTATION SCHEDULE

Department of Physical Therapy & Rehabilitation Science PhD Program

Wednesday, February 14, 2024

8 a.m. – 5 p.m.

Educational Session

ED-17344 The Novice Director of Clinical Education/Site Coordinator of Clinical Education for a Doctoring Profession

Gina Maria R. Musolino, PT, DPT, EdD, MSEd, Michael S. Simpson, PT, DPT, Alecia Helbing Thiele, PT, DPT, ATC, MEd and Anna V. Howard, PT, BS
Meeting Room 205C (Meeting Level 2, Boston Convention Center)

Thursday, February 15, 2024

8 a.m. – 10 a.m.

Educational Session

ED-17330 The Scholarship of Teaching and Learning: Performance-Driven Excellence for Adaptive Learners and Reflective CE

Gina Maria R. Musolino, PT, DPT, EdD, MSEd, Michael S. Simpson, PT, DPT, Alecia Helbing Thiele, PT, DPT, ATC, MEd and Ervin Scott Euyape, PT, DPT, MHS
Meeting Room 208 (Meeting Level 2, Boston Convention Center)

Platform Session

Backward Walking Training Improves Walking Function and Dynamic Balance during Walking Adaptability Tasks Post-Stroke

Presenter: Arian Vistamehr, PhD
Arian Vistamehr, PhD, David Clark, Christy L. Conroy, PT, Louis Anthony DeMark, PT, DPT, Emily Jane Fox, PT, DPT, PhD, Hanzhi Gao, MS, PhD, Janki Patel, Clayton N. Wauneka, PhD and Dorian Kay Rose, PT, PhD
Momentum C & D South (Level Five, Omni Boston)
Thursday, February 15, 2024

8 a.m. – 10 a.m.

Platform Session

Pilot Study: Can Preoperative Inspiratory Strength Training Enhance Acute Recovery from Total Joint Replacement Surgery?
Presenter: William Meier, PT, DPT
William Meier, PT, DPT, Maribel Ciampitti, Julie Shaner, Travis Stephen Wylie, Nura Aaliyah Haney, PT, DPT, Jessica Koenig, Adam Gitlin, Sabrina Wang, PT, DPT, OTR/L and Barbara Smith, PhD, PT
Meeting Room 252AB (Meeting Level 2, Boston Convention Center)

Thursday, February 15, 2024

11 a.m. – 1 p.m.

Platform Session

Patterns of Care for Acute Low Back Pain Patients: Cluster Analysis of Primary Care Orders
Presenter: Christopher Joyce, PT, DPT, PhD
Christopher Joyce, PT, DPT, PhD, Eric Roseen, DC, MSc, Clair Smith, Charity Galena Patterson, Christine M. McDonough, PT, PhD, FAPTA, Emily Hurstak MD, MPH, Natalia Morone, Jason M. Beneciuk, PT, DPT, MPH, PhD, Joel Stevans, Anthony Delitto, PT, PhD, FAPTA and Robert Saper, MD, MPH
Meeting Room 257AB (Meeting Level 2, Boston Convention Center)

1 p.m. – 3 p.m.

Poster Presentations

Application of the Central Recruitment Model to Facilitate Chronic Spinal Cord Injury Research Participation
Presenter: Hannah Snyder, MS
Hannah Snyder, MS, Louis Anthony DeMark, PT, DPT, Kathryn L. Cavka, PT, DPT, Hannah Johnson, Christa Espino and Emily Jane Fox, PT, DPT, PhD

Backward Walking Training Post-Stroke: Does Timing of Delivery Matter?
Presenter: Oluwafemi Adegbeigmun, PT
Oluwafemi Adegbeigmun, PT, Christy L. Conroy, PT, Janki Patel, Clayton N. Wauneka, PhD, Arian Vistamehr, PhD, Brianne Borgia and Dorian Kay Rose, PT, PhD
Thursday, February 15, 2024

1 p.m. – 3 p.m.

Poster Presentations

**Bone Marrow Fat Fraction Increases with Age, Corticosteroid Use, BMI, and Ambulatory Status in DMD**
Presenter: Remya Kunnath Ravindranunni, PT
Remya Kunnath Ravindranunni, PT, Angelina Bernier, Ibrahim Tuna, Krista H Vandenborne, Glenn Walter, Chamith Rajapakse and Rebecca Willcocks

**Blood Flow Restriction Versus Traditional Strength Training for Calf Weakness in a Female Athlete**
Presenter: Penny Lauren Goldberg, PT, DPT, ATC
Penny Lauren Goldberg, PT, DPT, ATC, Daphne Bricker, PT, DPT and Debi Lynn Jones, PT
Penny Goldberg, Daphne Bricker, Debi Jones

**Fear Avoidance Model Psychological Constructs As Predictors of Post-Concussion Outcomes in Outpatient Physical Therapy Settings**
Presenter: Katherine Elaine Buzzanca-Fried, BA, BS
Katherine Elaine Buzzanca-Fried, BA, BS, Michael Rippee, MD, Amelia Kirchhoff-Rowald, Emily Jane Fox, PT, DPT, PhD and Jason M. Beneciuk, PT, DPT, MPH, PhD

**Gluteal Intramuscular Fat Is Associated with Poorer Mobility Performance in Men with Becker Muscular Dystrophy**
Presenter: Kelly E. Rock, PT, DPT
Kelly E. Rock, PT, DPT, Rebecca Willcocks, Alison M Barnard, Donovan Jones Lott, PT, Claudia R. Senesac, PT, PhD, Sean Charles Forbes, William Rooney, Sub Subramony, Nizar Chahin, Glenn Walter and Krista Vandenborne, PT, PhD

**High Intensity Locomotor Training Using Adaptive Robotics and the Effect on Gait Speed and Endurance**
Presenter: Jessica Lee Dunn, PT, DPT
Jessica Lee Dunn, PT, DPT, Louis Anthony DeMark, PT, DPT, Gina Brunetti, PT, DPT, Kathryn L. Cavka, PT, DPT, Meghan Elizabeth Kettles, PT, DPT, MHS, Emily Ricardo, PT, DPT, Sierra Rogal LeDuke, PT, DPT, Christy L. Conroy, PT, Clayton N. Wauneka, PhD and Emily Jane Fox, PT, DPT, PhD

**Intense Repetitive Walking Rehabilitation Does Not Improve Dual-Task Walking Function in Chronic Spinal Cord Injury**
Presenter: Christy L. Conroy, PT
Christy L. Conroy, PT, Brittany Censon, Clayton N. Wauneka, PhD, David Clark and Emily Jane Fox, PT, DPT, PhD
Thursday, February 15, 2024

1 p.m. – 3 p.m.

Poster Presentations

Patient Preferences for the Attributes of Their Physical Therapists
Presenter: Amber Marie Custodi, PT, DPT
Amber Marie Custodi, PT, DPT and Joel Eric Bialosky, PT, PhD

Relationship between Skeletal Muscle Energetics and Clinical Functional Measures in Duchenne Muscular Dystrophy
Presenter: Pratiksha Awale
Pratiksha Awale, Christopher Lopez, Tanja Taivassalo, Krista Vandenborne, PT, PhD, Glenn A Walter and Sean Charles Forbes

Six-Minute Walk Distance Differentiates Respiratory Impairment in Chronic Stroke
Presenter: Gina Brunetti, PT, DPT
Gina Brunetti, PT, DPT, Barbara Kellerman Smith, PT, PhD and Dorian Kay Rose, PT, PhD

3 p.m. – 5 p.m.

Educational Session

NE-17345 Walking Performance in Daily Life: Taking Steps Toward Successful Rehabilitation
Kanika Bansal, PT, MPT, PhD, Allison Miller, Carey Lane Holleran, PT, MPT, DHS and Dorian Kay Rose, PT, PhD
**Thursday, February 15, 2024**

7 p.m. – 9 p.m.

**The Department of Physical Therapy Alumni & Friends Reception**

Omni Boston at the Seaport (450 Summer Street, Boston, MA 02210), Ensemble Ballroom A

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**Friday, February 16, 2024**

11 a.m. – 1 p.m.

Educational Session

**AC-18385 The Shark Tank: Giving Budding Acute Investigators an Opportunity to Sink or Swim**

Kerry J. Lammers, PT, DPT, Barbara Kellerman Smith, PT, PhD, Joshua Kurt Johnson, PT, DPT, PhD, Daniel L. Young, PT, DPT, PhD, Kyle Ridgeway and Richard S. Severin, PT, DPT, PhD

Faneuil (Mezzanine Level, Westin Boston)

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1 p.m. – 3 p.m.

Poster Presentations

**The Change in DPT Student’s Well-Being, Attitudes, and Behaviors Post-COVID-19 Pandemic**

Presenter: Judi Schack-Dugre, PT, DPT, EdD, MBA

Judi Schack-Dugre, PT, DPT, EdD, MBA, Elsa Maria Drevyn, PT, DPT and Anat Kristal, PT, MSPT, PhD
Friday, February 16, 2024

1 p.m. – 3 p.m.

Poster Presentations

Clinical Practice Guideline Facilitated Shared Decision Making for Low Back Pain: A Pilot Study
Presenter: Jason M. Beneciuk, PT, DPT, MPH, PhD
Jason M. Beneciuk, PT, DPT, MPH, PhD, Trent Harrison, Katherine Elaine Buzzanca-Fried, BA, BS, Logan J Rodgers and Joel Eric Bialosky, PT, PhD

Comparing Knee and Shoulder Range of Motion Measurements: App Vs. Manual Assessment Correlation
Presenter: Penny Lauren Goldberg, PT, DPT, ATC
Penny Lauren Goldberg, PT, DPT, ATC, Megan Hultgren, PT, DPT, Daphne Bricker, PT, DPT, Carly Rosner, PT, Shannon Jessup, SPT and Debi Lynn Jones, PT

Directional Preference-Based Exercises for Low Back Pain in the Emergency Department: A Case Study
Presenter: Taylor McCullers, PT, DPT
Taylor McCullers, PT, DPT, Jacob L. Broadhurst, PT, DPT, Sabrina Wang, PT, DPT, OTR/L, Joel Eric Bialosky, PT, PhD and Jason M. Beneciuk, PT, DPT, MPH, PhD

Exposure to Softball Pitching Does Not Increase Bicep Long-Head Tendon Thickness over a College Season
Presenter: Giorgio Zeppieri
Giorgio Zeppieri, PT, Kintaya Cooper, Marissa Pazik, Kevin W Farmer, MD and Federico Pozzi, PT, PhD

Humeral Retroversion and Glenohumeral Rotation in College Softball Players
Presenter: Giorgio Zeppieri, PT
Giorgio Zeppieri, PT, Kintaya Cooper, John Cicciario, PT, Colten Haack, PT, DPT, Marissa Pazik, Kevin W Farmer, MD and Federico Pozzi, PT, PhD

Implementing Emergency Department Physical Therapy Referrals for Patients with Rib Fractures: A Practice Analysis
Presenter: Michael Ryan Staklinski, PT
Michael Ryan Staklinski, PT, Sabrina Wang, PT, DPT, OTR/L and Barbara Kellerman Smith, PT, PhD
**Friday, February 16, 2024**

3 p.m. – 5 p.m.

Educational Session

**RE-17436 Trainee to Faculty: Navigating Life as a Junior Faculty Member in a Research-Intensive Institution**
Margaret A. French, PT, DPT, PhD, Katie Ann Butera, PT, DPT, PhD, Kristan Anne Leech, PT, DPT, PhD, Allison Miller, Federico Pozzi, PT, PhD, Sydney Schaefer and Jennifer Ann Zellers, PT, DPT, PhD
Marina Ballroom III (Lobby Level, Westin Boston)

**Saturday, February 17, 2024**

11 a.m. – 1 p.m.

Educational Session

**RE-18817 - Advancing Rehabilitation: Contributing to Health Systems Models While Translating Research Into Neurologic Practice**
Anna Manente, SPT, Pamela W. Duncan, PT, PhD, FAPTA, Allison Leigh Nogi, PT, DPT, Daofen Chen, PhD, Sandra A. Billinger, PT, PhD, Emily Jane Fox, PT, DPT, PhD and Mark Goodman Bowden, PT, PhD
Marina Ballroom III (Lobby Level, Westin Boston)

Platform Session

**Elevated pain sensitivity and negative psychological factors are demonstrated in individuals with an irritable presentation**

Presenter: Abigail Wilson Anderson, PT, DPT, PhD
Abigail Wilson Anderson, PT, DPT, PhD, William James Hanney, PT, PhD, Randi Moak Richardson, PT, DPT, Sheila Hanley Klausner, PT, DPT, MS and Joel Eric Bialosky, PT, PhD
Meeting Room 257AB (Meeting Level 2, Boston Convention Center)

**Gender Affirming Surgery: Lived Recovery Experiences and Recommendations for Care**

Presenter: Meryl J. Alappattu, PT, DPT, PhD
Meryl J. Alappattu, PT, DPT, PhD, Nicole Stetten, Adriana Rivas and Mark Donald Bishop, PT, PhD, FAPTA
Meeting Room 257AB (Meeting Level 2, Boston Convention Center)
Saturday, February 17, 2024

11 a.m. – 1 p.m.

Platform Session

"I just need a little more time": delayed recovery after exercise induced pain in people with chronic primary muscle pain

Presenter: Priyanka Rana, PT, MPT
Mark Donald Bishop, PT, PhD, FAPTA, Priyanka Rana, PT, MPT, Meryl J. Alappattu, PT, DPT, PhD. Jeff Boissonneault, Shelby Blaes, Yonah Joffe and Michael E Robinson
Meeting Room 257AB (Meeting Level 2, Boston Convention Center)

1 p.m. – 3 p.m.

Poster Presentations

Characterizing Muscle Quality at Loss of Ambulation in Duchenne Muscular Dystrophy Using Magnetic Resonance Imaging

Presenter: Prathyusha Bellam, PT
Prathyusha Bellam, PT, Rebecca Willcocks, Christopher Lopez, Sean Charles Forbes, William Triplett, William Rooney, Alison M Barnard, John Brandsema, Erika Finanger, Dah-Jyuu Wang, Donovan Jones Lott, PT, Claudia R. Senesac, PT, PhD, Kelly E. Rock, PT, DPT, Glenn Walter and Krista H Vandenborne

Gene Therapy-Treated Infants with Spinal Muscular Atrophy Exhibit Preserved Respiratory Strength but Reduced Coordination

Presenter: Priya Kanjani, PT
Priya Kanjani, PT, Carmen Leon-Astudillo, Mackenzi Coker, Stephanie Salabarria, Jenna Lammers, Barry Byrne and Barbara Kellerman Smith, PT, PhD
Priya Kanjani, Carmen Leon-Astudillo, Mackenzi Coker, Stephanie Salabarria, Jenna Lammers, Barry Byrne, Barbara Smith
Saturday, February 17, 2024

3 p.m. – 4 p.m.

Educational Session

**QR-18543 What a Pain! Reconceptualizing Irritability**

Joel Eric Bialosky, PT, PhD. Mark Donald Bishop, PT, PhD, FAPTA, William James Hanney and Abigail Wilson, PT, DPT, PhD

Meeting Room 253AB (Meeting Level 2, Boston Convention Center)