**SAVE THE DATE:**

**Invitation to the 15th Annual Grand Valley State University Doctorate in Physical Therapy Research Day \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

The GVSU Physical Therapy Faculty and DPT Graduating Class of 2021 cordially invite you to attend **Annual DPT Research Day** to be held on **Thursday, July 15th, 2021** (4:00-8:00 pm). This will be a virtual synchronous event with two concurrent research presentation tracks; each with their own Zoom link. Attendees may float across virtual rooms based upon platform presentations of interest to them.

Please join us as our **DPT Graduating Class 2021** shares their research with the community and our clinical partners.

Below is a summary of the program schedule with times and titles of the platform presentations. We invite you to attend all or part of the event as your schedule allows.

We appreciate your ongoing support for our students and our program.

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**DPT Research Day**

**July 15, 2021**

**Presentation Track A- Session Schedule**

**4:00 - 4:10 Opening Remarks:** Cathy C. Harro, PT, DPT, MS, NCS

**4:10-4:30** *Roll Maneuvers Versus Side-lying Maneuvers for Geotropic Horizontal Canal BPPV: A Systematic Review*

 Presenters: Mikaela G. Harless, ATC; Kyra A. Lauzon, Jill R. Wamhoff Faculty Mentor: Bonni L. Kinne, PT, MSPT, DHSc

**4:30-4:50** *A Case Report: Sub-acute Home Physical Therapy Management of an Individual Post-coronary Artery Bypass Graft (CABG) utilizing High Intensity Interval Training (HIIT) prior to Outpatient Cardiac Rehabilitation*

Presenter: Jenna Fort Faculty Mentor: Mary Green, PT, MS, JD

**4:50-5:10** *Effect of the COVID-19 Pandemic Restrictions on Physical Activity, Motor Symptoms, and Non- motor Symptoms in Persons with Parkinson’s Disease: A Scoping Review*

Presenters: Rachel Bartley, Elizabeth Kayfish, Elizabeth Malear, Amanda Noakes, Brittany Sugg, Leslie Tanis Faculty Mentors: Cathy C. Harro, PT, DPT, MS, NCS; Michael J. Shoemaker, PT, DPT, PhD, GCS

**5:10-5:30** *Fatigue and MS: How Fatigue Impacts Daily Participation and Quality of Life: A Qualitative Study*

Presenters: Elise Maynard, Rachel McDonald, Sierra Reece Faculty Mentors: Barb Baker, PT, PhD; Lisa K. Kenyon, PT, DPT, PhD, PCS

**5:30-5:50** *The Effect of Tai Chi Easy on Gait-related Parameters, Quality of Life, and Fatigue in People with Multiple Sclerosis*

Presenters: Megan Dietz, Erin Romph, Hope Van Dyke Faculty Mentors: Yunju Lee, PhD; Todd Sander, PT, PhD, ATC

**5:50-6:10 *Refreshment Break***

**6:10-6:30** *Dynamic Measures of Balance with a Ninety Degree Turn during Self-selected Gait in Individuals with Mild Parkinson’s Disease*

 Presenters: Marie Bourke, Akeya Gosla, Sarah Rustmann Faculty Mentors: Gordon Alderink, PT, PhD; Cathy C. Harro, PT, DPT, MS, NCS; David Zeitler, PhD

**6:30-6:50** *Interventions to Decrease Persistent Toe-Walking in Children with Autism: A Systematic Review*

 Presenters: Kelsey B. Brown; Emily M. Emerick; Angela J. Maurer, ATC Faculty Mentors: Brianna T. Chesser, PT, MPT; Bonni L. Kinne, PT, MSPT, DHSc

**6:50-7:10** *Use of Narrative Analysis in Children with Multiple Severe Disabilities: A Protocol and Report of Two Cases*

Presenters: Sydney Bartlett, Kylyn Lynch, Megan Wolters Faculty mentors: Lisa K. Kenyon, PT, DPT, PhD, PCS; Naomi Aldrich, PhD

**7:10-7:30** *Finding Freedom: A Qualitative Study on the Perspectives of Children and Parents on Power Mobility Interventions*

Presenters: Rachel M. Satkiewicz, Lien B. Tran, Abigail G. Wickenheiser Faculty Mentor: Lisa K. Kenyon, PT, DPT, PhD, PCS

**7:30- 7:50** *Exploring the Use of ICF Coding to Identify Factors used in Planning and Providing Pediatric Wheelchair Skills Training: A Think-aloud Study*

Presenters: Colleen Benoit, Lauren Lyon, Chad Sterk Faculty Mentor: Lisa K. Kenyon, PT, DPT, PhD, PCS

**7:50- 7:55 Closing Remarks**

**Presentation Track B- Session Schedule**

**4:00 - 4:10 Opening Remarks:** Michael J. Shoemaker, PT, DPT, PhD, GCS

**4:10-4:30** *Physical Therapists’ Perceptions of Dry Needling: A Qualitative Study*

 Presenters: Samuel J. Eshuis, Lindsey M. Farris, Jeanna R. Greeno, Rachael N. Webb Faculty mentor: Jon Rose, PT, SCS, MS, ATC

**4:30-4:50** *Influence of Spinal Deformity on Gait and Overhead Deep Squat Performance: A Comparison of Healthy Normals and Subjects with Scoliosis Prior to Spinal Fusion*

 Presenters: Adam Doorn, Glenn Fitkin, Matthew Kempfer Faculty Mentor: Yunju Lee, PhD

**4:50-5:10** *The Effectiveness of the Schroth Method in Treating Idiopathic Scoliosis in Pre-Adolescent, Adolescent and Adult Patients: A Retrospective Chart Review*

 Presenters: David Bancuk, Jacob Nutter, Jessica Ramos Faculty Mentor: Corey Sobeck, PT, DScPT, OCS, OMPT

**5:10-5:30** *The Impact, Motivation, and Barriers of Physical Therapists Participating in a Student-Led Pro Bono Clinic: A Qualitative Study*

Presenters: Rachel Barrett, Christian Hoban, Alexis Van Dusen Faculty Mentor: Laurie Stickler, PT, DHS, OCS

**5:30-5:50** *Perspectives of Clinical Instructors and Directors of Clinical Education Regarding DPT Student Behaviors that Positively Influence a Clinical Education Experience*

 Presenters: Nicole Malcolm, Bailey Seeger, Kristy Wilkinson Faculty Mentors: Karen Ozga, PT, DPT, MMSc; Lisa K. Kenyon, PT, DPT, PhD, PCS

**5:50-6:10 *Refreshment Break***

**6:10-6:30** *Validation of Inertial Motion Units in Jump Related Tasks: A Systematic Review*

Presenters: Briana L. Dean, Christine E. Garcia, Marta M. McLaughlin Faculty Mentor: Barbara J. Hoogenboom, PT, EdD, SCS

**6:30-6:50** *Measurements of Postural Sway using Center of Pressure during Tandem Standing under Eyes Open and Closed Conditions: A Comparison of Non-Contact Sport Athletes and Football Players*

Presenters: Megan Henige, Jennifer Scieszka, Nicole Wesley Faculty Mentors: Gordon Alderink, PT, PhD; Yunju Lee, PhD; David Zeitler, PhD; Tonya Parker, ATC, PhD

**6:50-7:10** *Measures of Skin Turgor in Humans: A Systematic Review*

Presenters: Joni Farran, Courtney Laughlin, Sarah Seelman Faculty Mentors: Meri Goehring , PT, PhD, GCS, CWS; Betsy Williams, MSLIS

**7:10-7:30** *Physical Therapy and Patient Outcomes following Uni-compartmental Knee Arthroplasty in a Geriatric Female: A Case Report*

 Presenter: Maria Martuch Robison Faculty Mentor: Mary Green, PT, MS, JD

**7:30- 7:50** *Functional Outcomes in Blood Flow Restriction Training for Clinical Musculoskeletal Rehabilitation of the Knee: A Systematic Review*

Presenters: Ryan Johnson, Mason Paul, Hayden Ray Faculty Mentor: Barbara J. Hoogenboom, PT, EdD, SCS

**7:50- 7:55 Closing Remarks**