

2019 Research Symposium – May 8, 2019
Physical Therapy Program
Wayne State University, Detroit, MI



Keynote Talk by:

Kornelia Kulig, PhD, PT, FAPTA

Professor and Clinical Scholar
University of Southern California
Division of Biokinesiology and
Physical Therapy

4:00 PM, EACPHS Auditorium

259 Mack Ave

Detroit, MI 48201

**Movement Strategies and Neuromechanical
Adaptations during Symptom Remission;
A window into Prevention of Recurrence**

There is expanding evidence that pain processes involve substantial motor adaptations. This lecture will demonstrate laboratory evidence that recurrent pain results in altered motor behavior during pain-free periods. The lecture will also illustrate neuromechanical adaptations to tendon degeneration. Understanding these adaptations may provide a window into prevention of symptom recurrence in two common painful conditions, namely low back pain and tendinopathies.

The Keynote Talk will be followed by light refreshments and Research Presentations by Doctor of Physical Therapy Students

DPT STUDENT RESEARCH PRESENTATIONS
GROUP 1
ROOM 0360

TIME	Group Members	Faculty Mentor(s)	Topic
5:30 – 5:45PM	Paul Ghazali Christopher Stojanoski Vincent Tomasi	Dr. Dickson Dr. Reid Dr. Maher	Comparison of a Novel Immediate Feedback Tool versus Scantron on Student Retention of Knowledge
5:45 – 6:00 PM	Sarah Sherer Kwesi Easley Jaclyn Moretti Dillon Ommodt	Dr. Pepin	Effectiveness of DorsaVi in determining safe return to play following anterior cruciate ligament (ACL) repair
6:00 – 6:15 PM	Jacob Centala Cameron Pogorel Scott Pummill	Dr. Malek	High-Tempo Music Delays the Onset of Neuromuscular Fatigue
6:15 – 6:30 PM	Emily Denn Emily Kwasniak Bria Kamdem Kwakam	Dr. Adamo Dr. Fritz	Age related differences in grip strength, physical activity and cognitive performance
6:30 – 6:45 PM	Kathryn Kelley Eric Mocher Jared Kurdunowicz Gunnar Littrup	Dr. Pardo	NuStep intervention studies for patients with chronic stroke(footstrap)

DPT STUDENT RESEARCH PRESENTATIONS
GROUP 2
ROOM 0364

TIME	Group Members	Faculty Mentor(s)	Topic
5:30 – 5:45PM	Morgan Albertson Marina Bacus Lyndsey Crosbie Karen Sharkey	Dr. Pardo	NuStep intervention studies for patients with chronic stroke (visual feedback)
5:45 – 6:00 PM	Brittany Teal Dara Schramm Rhonda Charara Timothy Humbach	Dr. Roche	Safety of Concentrically-biased training for Dysferlin Deficient Muscle
6:00 – 6:15 PM	Kristen Robertson Rachel Smith Ryan Kilgore Nicholas Mychalowych	Dr. Pepin Dr. Galen	Amount of lumbar lordosis in various positions: a preliminary study
6:15 – 6:30 PM	Danielle Arsenault Kristin Carl Kimberly Morck Jordyn Welles	Dr. Schiller	The Wayne State University Diabetes Education and Wellness (DEW) Clinic – Utilization of Smartphone Texting in an interprofessional student-run clinic.