



THE HERBERT H. &  
GRACE A. DOW COLLEGE OF

# HEALTH PROFESSIONS

CENTRAL MICHIGAN UNIVERSITY

4th Annual Research Symposium  
April 13, 2021

## Program

Webex Meeting starts at 3:00 p.m.: <https://cmich.webex.com/meet/ustin1k>

\*Please be aware that each presentation may start a few minutes later than scheduled.

- 3:00 p.m. Welcome & Opening Remarks**  
Ksenia Ustinova, CHP Research Symposium Committee Chair  
Tom Masterson, Dean  
Gary and Barb Russell, Special Guests/Sponsors of Symposium

## Presentations

### Section I: Exercise and Health Sciences

- 3:10 p.m. Impact of wearing a face mask on peak values obtained from a graded exercise test: a preliminary analysis**  
Kellie N. Hoehing, Kadeeja S. Murrell, Rowan A. Fitzpatrick, Micah N. Zuhl Ph.D., and Rachael K. Nelson Ph.D.
- 3:18 p.m. The Effects of Muscle Weakness on Gait Deviations in Duchenne Muscular Dystrophy: A Systematic Review**  
Tyeisha R. Fuller, Jacob Kubinski, and Jennifer K. Sansom PT, Ph.D.
- 3:26 p.m. Fit 4 Us: A Healthy Lifestyle Program for Families**  
Olivia Riley B.S., Alexis Pearce, and Roop Jayaraman Ph.D.
- 3:34 p.m. Exercise Progression Techniques for CVD Patients Enrolled in Cardiac Rehabilitation Clinics Throughout the United States**  
Joesi Krieger, Nick McCann, Markaela Witczak, and Micah Zuhl Ph.D.
- 3:42 p.m. Effect of type 2 diabetes co-morbidity on functional capacity changes among CVD patients enrolled in cardiac rehabilitation: a meta-analysis**  
Markaela Witczak, Kellie Hoehing, Rachael Nelson Ph.D., and Micah Zuhl Ph.D.
- 3:50 p.m. Efficacy of Unconventional Cardiac Rehabilitation Modalities in the 6-county area: A Review of Literature Pertaining to At Home Based Cardiac Rehabilitation**  
Nicholas K. McCann B.S., and Jeffrey E. Edwards Ph.D.
- 3:58 p.m. Implementing a SOMIfit Program in Mid-Michigan**  
Quinn J. Keilen and Naveen Sharma, Ph.D.

## Section II: School of Rehabilitation and Medical Sciences

- 4:06 p.m. **The experience of Black African International Graduate Students at a Predominantly White Midwest University**  
Kechi Iheduru-Anderson DNP, RN, CNE, CWCN and Gwinong Olumayowa Chollom
- 4:14 p.m. **Low-Intensity Pulse Ultrasound and Pulsed Electromagnetic Field Devices on Fractures and Pain Perception: A Critically Appraised Topic**  
Courtney Mundell AT, ATC, Blaine C. Long Ph.D., AT, ATC, and Jennifer Popp Ph.D., AT, ATC
- 4:22 p.m. **Serving Children with Communication Disorders: an Interprofessional Education Experience in Graduate Studies**  
Jocelynn Venema AT, ATC, SPT, and Jamie Haines PT, DScPT, NCS

## Section III: Communication Sciences and Disorders

- 4:30 p.m. **“Why didn’t I think of this before?” Perceptions of Stakeholder Engaged Research**  
Nick Malendowski B.S., Katie A. Strong Ph.D., CCC-SLP, Clarisse El-Khoury B.A., and Jackie Hinckley Ph.D., CCC-SLP
- 4:38 p.m. **Proprioceptive Input and Sensory Spaces: How Adjusting Spaces on a University’s Campus Can Produce a More Inclusive Environment**  
Erin Hacker and AnnMarie Bates M.S., CCC-SLP
- 4:46 p.m. **Comparisons of traditional and Otoscan ear impression techniques, earmold comfort, and audiology clinical implications**  
Karlina Didion B.S, Yunfang Zheng Sc.D., M.D., CCC-A, and Nicole Ferguson Au.D., CCC-A