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# 2023 RESEARCH SYMPOSIUM

## FRIDAY, MAY 5, 2023

Welcome to the UWM 2023 Partners for Health Research Symposium! The Symposium showcases graduate and undergraduate student work representing a range of programs in the Zilber School of Public Health, College of Nursing, and College of Health Sciences. We are happy to host the symposium in person again this year, for the first time since 2019.

Thank you to all the students who submitted their work for the symposium! It was a pleasure to read your submissions and learn about the important research you are all engaged in. Keep up the good work, whether you are an undergraduate just getting involved in research, a doctoral student working on your dissertation, or somewhere in between.

Enjoy viewing the presentations today. The projects here cover a wide range of topics, and include completed research projects, projects in progress, research proposals, literature reviews, clinical case studies, and projects based on community partnership efforts.

Congratulations to you who are presenting your research today. Your presentations represent a large amount of work on your part and sharing your work is an important part of the scientific process. Enjoy the day!

Lance Weinhardt

Associate Dean for Research for the Zilber School of Public Health, College of Nursing, and College of Health Sciences, on behalf of the 2023 Symposium Organizing Committee.

## **Symposium Judges**

Alexa Anderson – College of Nursing

Monna Arvinen-Barrow – College of Health Sciences

John Heilmann – College of Health Sciences

Lance Weinhardt – Zilber School of Public Health

## **Symposium Planning Committee**

Alexa Anderson – College of Nursing

Monna Arvinen-Barrow – College of Health Sciences

Michael Gonzalez – Zilber School of Public Health

John Heilmann – College of Health Sciences

George Henion – Zilber School of Public Health

Elise Papke – Zilber School of Public Health

Tanika Reesnes – Zilber School of Public Health

Jessica Slocum – College of Nursing

Lance Weinhardt – Zilber School of Public Health

Wendy Welsh – College of Nursing

## Schedule

11:00 a.m.-12:00 p.m.....	Students set up posters
12:00 p.m.-12:15 p.m.....	Deans' Welcome and refreshments (refreshments available throughout)
12:15 p.m.-1:00 p.m.....	Networking and poster viewing
1:00 p.m.-1:45 p.m.....	Podium presentations 1
1:45 p.m.-2:30 p.m.....	Networking and poster viewing
2:30 p.m.-3:15 p.m.....	Podium presentations 2
3:15 p.m.-3:45 p.m.....	Networking and poster viewing
3:45 p.m.-4:00 p.m.....	Awards ceremony and closing
4:00 p.m.-4:15 p.m.....	Students remove posters

## **Podium Presentations 1**

**1:00 p.m.-1:45 p.m.**

### **Qualitative Analysis of the Medicaid Prenatal Care Coordination (PNCC) Program in Wisconsin**

Sarah Wanek

Dr. Renee Scampini

UWM - Zilber School of Public Health

### **Effects of Self-Administered Gait Retraining on Running Biomechanics and Compliance**

Erin Lally | Dr. Hayley Ericksen | Dr. Jennifer Earl-Boehm

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UWM - College of Health Sciences

### **Traumatic Experiences Among African-Swahili Speaking Refugees in Milwaukee**

Everlyne Okech

Dr. Lynne Woehrle

UWM - College of Nursing

### **Resilience of Essential Workers During the COVID Pandemic: A Qualitative, Descriptive Doctor of Nursing Practice Project**

Monaliza Abdela

Dr. Jeana M. Holt

UWM - College of Nursing

## **Podium Presentations 2**

**2:30 p.m.-3:15 p.m.**

### **Advancements in Pancreatic Cancer Survival Prediction**

Masoud Khani | Amirajjad Taleban

Dr. Jake Luo

UWM - College of Health Sciences

### **Historic Redlining and Hair Cortisol Concentration as a Biomarker of Stress in Adolescents**

Sarah Laurent | Helen C.S. Meier

Dr. Lorraine Halinka Malcoe

UWM - Zilber School of Public Health

### **Shoulder Quantitative Ultrasound Parameters and Wheelchair Handrim Kinetics in Spinal Cord Injury**

Caleb Cordes | Josh Leonardis | Alyssa Schnorenberg | Brooke Slavens

Dr. Brooke Slavens

UWM - College of Health Sciences

### **Adolescent/Young Adult Self-Management and Independence Self-Report Questionnaire (AMIS-II-SR): Preliminary Psychometric Findings**

Audrey J. Roach | Monique M. Ridosh | Zoe Smith | William Adams | Timothy J. Brei |

Ellen Fremion | Grayson N. Hombeck | Kathleen J. Sawin | Eileen Sherburne

Dr. Julia Snethen

UWM - College of Nursing

## **Poster Presentations**

Imteyaz Eljarrah

### **Maternal Mobile Phone Use during Parenting and Infant Negative Affectivity**

Annette Dopp

### **ED Buprenorphine Induction to Treat Opioid Use Disorder: Program Development and Evaluation**

Amani Mobarki | Dr. Jeanne M. Erickson

### **Psychological Self-Protection in Bullying Behavior Among Children: A Concept Analysis**

Cassandra M. Krueger | Sadie Tenhagen | Scott D. Brau Jr. | Rudi A. Marciniak  
Kyle T. Ebersole

### **Influence of a 24-hour Shift on High-Frequency Heart Rate Variability Activity in Firefighters**

Ian Kramer | Jonathan Hubbard | Hayley Ericksen

### **An Atypical Presentation of Lyme's Disease in a Young Athlete**

Jessica Rotier | Julie A. Zeeman | Hyunkyung Oh | Masud Rabbani | Shiyu Tian | Adib Ahmed Anik | Min Sook Park | Jake Luo | Evelyn Chan | Jeff Whittle | Youngjoo Cho  
Sheikh Iqbal Ahamed

### **Voice-Activated Self-Monitoring Application (VoiS): Perspectives from Healthcare Providers**

## Poster Presentations

Mohammad Assadi Shalmani

### **The Sepa Winstep Webapp: Enhancing Data Science Education for High School and Middle School Students through Environmental Health Research**

Nathaniel J. Osterloo | Mitchel G. Olson | Trevor J. McMichael | Sanjeev P. Knotek | Kyle T. Ebersole | Rudi A. Marciniak

### **Influence of Health and Wellness on the Autonomic Nervous System Response in Graduate Students Across a Semester**

Bayan Alqam

### **The Association Between Social Isolation and Glycosylated Hemoglobin Among Older Adults**

Manasa Hari

### **Improving Magnesium Sulfate Documentation at Regular Intervals to Prevent Adverse Events during Magnesium Sulfate Therapy**

Nala Mallett | Haley Ericksen

### **Latissimus Dorsi and Teres Major Strain in a Baseball Pitcher**

Dorothy Kent

### **Situation-Specific Application of Meleis' Transitions Theory to the Military-to-College Transition**

Madison Mach | Erin Lally

### **Validation of In-Field Measurement of Running Step-Rate**

## Poster Presentations

Suzanne Kreuziger

### **College Instructors' Experiences with Students Who Have Mental Health Symptoms: Systematic Review**

Olamilekan Awoniyi

### **Expanding Community Wellness Resources Through Systems Mapping and Facilitated Collaborations**

Nathalia Rocha Lainetti | Jack Strey | Cecilia Hillard | Chris Cunningham

### **The Characterization of the Interaction Between Cannabidiol (CBD) and Sterol Carrier Protein-2 (SCP-2): Potential to Modulate the Endocannabinoid System (ECS)**

Kaylen Moore

### **African American Women Survivors of Intimate Partner Violence at the Intersection of Healthcare and Law Enforcement: A Qualitative Pilot Study**

Jasmine Bickerstaff | Hayley Ericksen

### **ACL Reconstruction and a Cyclops Lesion**

Marcel Kline

### **The Changing Conceptions of Childhood Foster Care from the 19th Century until the 21st Century**



## Poster Presentations

Brittany Redmond-Hawk | Clare Posto | Jacob Rober Bose

### **From CAR to CARE: The Place of Empathy in Needs Satisfaction Among Physical Therapists**

Emma Marston | Chi Cho | Karen Pridham | Amy McPherson | Michele Polfuss

### **Parenting Styles and Dimensions in Parents of Children with Developmental Disabilities**

Nicholas Kanetzke

### **Protocols Not Followed: Systematic Review Reveals High Frequency of Modifications to the 2-Minute Walk Test**

Alejandra Martinez | AkkeNeel Talsma | Kimberly Ryan | Chuthamas Payjapoh  
Madeline Hartig

### **Using Design Thinking with the Community to Improve Pregnancy, Postpartum, and Infant Outcomes: A Wisconsin (WI) Maternal Infant Outcomes Study (MIOS)**

Maully Her Lo

### **Growing RoOTs: Maternal Mental Health Preservice Educational Learning Modules for Pre-Occupational Therapy and Entry-Level Occupational Therapy Students**

Samantha Roelse

### **Utilization of Motivational Interviewing Principles in Adults with Type 2 Diabetes: An Evidence-Based Practice Project**

## Poster Presentations

Kaleb SandellClark | Zachary Leinbach

### **The Effect of a Movement Enhancement Training Program on 2D Jump-Landing Mechanics and Medial Knee Displacement in the Army Reserve Officer Training Corps**

Ali Rogan | Barbra Beck | Gabriel Lettie | Shaelynn Feuerstein

### **Understanding the Impact of Jjajjas of HIV/AIDS Orphaned Children - Intersections Between Global Health and the HIV/AIDS Epidemic in Sub-Saharan Africa**

Katie Slusarczyk

### **Improvement of Blood Pressure Measurement and Follow Up in Primary Care**

Wilawan Christraksa

### **A Literature Review of Spirituality and Depression in Older Adults**

Abby Nowakowski | Nicole Frank | Lauren Boeckman | Dr. Antoinette Spector | Dr. Jordan Gliedt

### **Mindfulness-Based Interventions for Osteoarthritis: A Scoping Review of the Literature**

Elisa Millis | Hayley Ericksen | Nick Cromidas

### **Distal Semimembranosus Tendon Excision in a Collegiate Football Player**

## Poster Presentations

Ahmed Alqheedan

### **Gamification in Medication Adherence: A Systematic Review of Theoretical Frameworks, Game Elements, and Populations**

Olivia Krause | Cali Beere | Alex Diaz | Nicholas Thor | Thomas Henricks

### **Influence of Financial Stress on Pain and Mental Health**

Salina Winslow | Sarah Bichler | Sarah Chartrand | Maggie Penning

### **Pilot Study: Program Website Usage by Prospective Doctor of Physical Therapy Students**

McKenna Myers | Lyndsey Soderbeck | Stefanie Thomas | Megan Gauss

### **Evaluating the Milwaukee Public School (MPS) Learns to Swim Program**

Lara Seeby-Halas

### **Fighting Fires with Thoracic Outlet Syndrome**

Saleh Alzughaibi

### **Human Papillomavirus Vaccine Inquiries on Social Media: A Qualitative Study Approach**

Paige Granberg

### **21-Year-Old Female with Patella Femoral Pain and Chronic Patellar Dislocation**

## Poster Presentations

Kate Hagar Otu | Halima Asiri | Doris Richardson

### **Lactation Education for Healthcare Providers and Stakeholders: A National Science Foundation I-Corps Approach**

Jacqueline Westerdahl

### **Parental Mentalization's Impact on Physical Behaviors During Parent-Infant Interactions**

Mikayla Fox

### **Stress Fractures in a Mid-Distance Collegiate Runner**

Tala Abuzahra

### **Moral Injury Among Nurses During the COVID-19 Pandemic**

Phoebe Troeller | Keith A. Dookeran | Marina G. Feffer | Kyla M Quigley | Chariya A. Christmon | Janine Y. Khan

### **Disparity in Neonatal Abstinence Syndrome by Race/Ethnicity, Socioeconomic Status and Geography, in Neonates $\geq 35$ Weeks Gestational Age**