STUDENT & FACULTY CONVOCATION

Welcome: 8:00 AM, Founders’ Hall
Dr. Jodi Roller, Dean, School of Health Sciences

Opening Prayer
Sierra Roshau, DPT Student

Platform Presentations: 8:30 AM – 2:15 PM

Poster Presentations Unopposed:
11:15 AM – 11:45 AM, Foyer, Founders’ Hall
Communication Science Disorders
and Occupational Therapy

Lunch Break: 11:45 AM – 12:30 PM

The Research and Scholarship Colloquium committee would like to thank the University of Mary's Kappa Upsilon Chapter of Sigma Theta Tau National Honor Society for helping make this event successful. Kappa Upsilon members have volunteered time to assist with planning and coordination of the event.

Continuing education contact hours will be awarded to occupational therapy and physical therapy participants. Application to the North Dakota Board of Nursing has been submitted for 4.25 nursing contact hours.
Platform Presentations

8:30 AM
O’Keeffe Hall (Casey Center)

Implementation of an Opioid Risk Screening Tool in a Rural North Dakota Primary Care Clinic
Jessica Freudenthal, Forrest Hirsch (Doctorate FNP Students)

Bovine Colostrum Supplementation and Leg Strength During and Following an Eight Week Training Program
Jennifer Nelson, Victor Pilon, Austin Williams (EXS Students)

Pre-modulated Electrical Stimulation Use in Subacute and Chronic Musculoskeletal Injuries of Collegiate Athletes
Emily Kautzman, Mallory Kenna, Kara Scheresky, Rebecca Valleroy (AT Students)

Arno Gustin Hall (Harold Miller Center)

The Ethical Dilemma of a Catholic Physician giving a POLST Order in the Absence of a Proxy or Surrogate Decision Maker
Sheila Pursell (MS Bioethics Student)

Difference in Injury Rates of College Football Players when Comparing Injury Prevention Screening
Joshua Gallagher, Nathan Ellingson (MS KIN Students)

The Effects of mDGI-specific Training Versus a Core Stability Program on Gait Functionality as Measured by the mDGI in Persons Diagnosed with Parkinson’s Disease
Hailey Hudson, Gina Lange, Kelsey Mohl, Ty Parsons, Nicole Stehly, Mark Vander Hulst (PT Students)

Butler Hall (Gary Tharaldson School of Business)

Transforming Staff Nurses into Leaders: The Implementation of an Evidence Based, Charge Nurse Orientation Course
Kaylee Norlin (NE Student)

Management of Ectopic Pregnancies: A Moral Analysis of Salpingostomy and Methotrexate
Fr. Joseph Tregre (MS Bioethics Student)

The Lived Experience of Participation in State Occupational Therapy Associations: Factors Influencing Active Member Involvement
Katherine Campbell, Emily Heckaman, Lydia Pansegrau, Natalie Voxland, Brian Woodbury (OT Students)
**Classroom 001 (Harold Miller Center)**

**Benefits of Cardiac Rehabilitation for Pre-Heart Transplant Patients – A Literature Review**
Kelsey Ekstedt (MSCEP Student)

**Physician Assisted Suicide in Canada**
Christina Alaimo (MS Bioethics Student)

**The Effects of Cervical-Thoracic (C7-T1) Manipulation on Temporomandibular Disorder Outcome Measures and Subjective Pain Perception**
Jenna Giesick, Jeremiah Johnson, McKenzie McMillan, Levi Peterson (PT Students)

**Founders’ Hall (Lumen Vitae University Center)**

**Influencing Transitions of Care among Vulnerable Populations of Patients with Intellectual Disabilities using a Standardized Communication Tool**
JoAnn Trader, Camille Settelmeyer (Doctorate FNP Students)

**Occupational Therapy Student Satisfaction in Traditional and Distance Education**
Melissa Carson, Madison Rutenbeck, Chad Vernon, Ashley Willie (OT Students)

**To Eat or Not to Eat: A Study of Eating and Drinking in the Face of Terminal Illness**
Fr. Kyle Berens (MS Bioethics Student)

**Heskett Hall (Clairmont Center)**

**Rural Washington Cardiac Rehab: A Needs Analysis**
Kevin Carpenter (EXS Student)

Dawn Sugg (Doctorate FNP Student)

**Estimating VO2max via Submaximal NDKS Aerobic Exercise Protocol**
Rebekkah Bond, Savannah Childers, Tyler Erickson, Kenneth Slominski (EXS Students)
9:30 AM

Founders’ Hall (Lumen Vitae University Center)

“Case Report: Estimated VO2max and Hemodynamic Responses to an Exercise Program for a Living-Transplant Liver Donor – Pre and Post Donation”  
Kayla Thomas (MSCEP Student)

Factors Influencing Physical Therapists to enter into Women’s Health Specialty Practice  
Cinque Anderson, Sherry Benson, Dang Le, Ying Zhang (PT Students)

Telehealth in the Use of Recovery from Stroke: A Case Study Approach  
Rebecca Andersen, Dawn Crilly, Lauren Hunter, Morgan Jacobson, Stacey Loutzenhiser, Sydnee Schurer (OT Students)

O’Keeffe Hall (Casey Center)

Colorectal Cancer Screening: A Quality Improvement Initiative to Address Compliance with Screening Recommendation in a Rural Primary Care Setting  
Karista Walsh (Doctorate FNP Student)

Work Habits of New Baccalaureate Prepared Nurses: Are They Prepared to Be Efficient?  
Lisa Stevens (NE Student)

Treatment or Torture: A Case Study  
Fr. Peter Fonseca (MS Bioethics Student)

Heskett Hall (Clairmont Center)

Implementing a Domestic Violence Education Protocol in a Rural Facility in Colorado  
Kara Bodmer, Brandi Lohrenz (Doctorate FNP Students)

A Literature Review on Motion Analysis Capture Systems and Marker Placement For Baseball Pitching  
Tiffany Dutke (MS KIN Student)

Ordinary Care in the Context of a Social Hospice Home  
Kevin Tulipana (MS Bioethics Student)

Butler Hall (Gary Tharaldson School of Business)

General Public’s Knowledge of an Athletic Trainer’s Professional Role and Educational Background  
Keegan Wickman, David Johnson, Michael Rowles (AT Students)


**Contraception and the Nature of Act**  
Joshua Gow (MS Bioethics Student)

**Estimating VO2max via Submaximal UMary Step Aerobic Exercise Protocol**  
Brett Adam, Lauren Bischof, Hayley Carlson, Alexandra Weber (EXS Students)

**Arno Gustin Hall (Harold Miller Center)**

**Implementing an Individualized Discharge Teaching Module at a Critical Access Hospital: An Evidence Based Project**  
Kelly Tiffany (Doctorate FNP Student)

**The Analysis of the EMG and Muscle Torque Performance in Sprint and Endurance Athletes during a Dynamic Isokinetic Quadriceps Fatigue Test**  
John Reddon, Colby Gomez, Zach Neva, Alec Jacobs, Ray Lopez (PT Students)

**A Qualitative Study Exploring the Lived Experiences of Social Participation in Community-Dwelling Older Adults**  
Abby Beehler, Alicia Cebada, Aaron Irmen, Alexi Schweitzer, Courtney Sibla, Kaylee Tishmack (OT Students)

**Classroom 001 (Harold Miller Center)**

**Pediatric Wellness Questionnaires in a Rural Clinic**  
Kristin Bietz, Rachael Kjelden (Doctorate FNP Students)

**Whether Medical Orders for Life-Sustaining Treatment can be Implemented in a Manner that is Faithful to Catholic Moral Teachings?**  
Mary Guararra (MS Bioethics Student)

**The Effects of Kinesiology Tape on Throwing Velocity in College Baseball Players Aged 18-25**  
Destiny Kindsvogel, Douglas Winzenburg, Jacob Johnson, (AT Students)

**10:30 AM**

**Founders’ Hall (Lumen Vitae University Center)**

**Accuracy of Student Assessment of Body Composition via Skinfold Thickness with Differing Levels of Training**  
Ryan Baumgartner, Emily Mundahl, Raechelle Salzer, Rachel Schroeder (EXS Students)

**Rapid Sideline Concussion Screening in Middle School Football Athletes**  
Tanner Chitwood, Cole Schram, Seth Hosking, Nick Eisenmenger (PT Students)
The Impact of Hippotherapy on Motor Function and Sensory Processing in Children with Disabilities  
Victoria Castillo, Steven Hertz, Lynae Petersen, Kaylee Schirado, Clare Schoch, Anna Voigt (OT Students)

**Arno Gustin Hall (Harold Miller Center)**

SMS Texting as a Strategy to Address Communication with Patients in a Diabetic Clinic: An Evidence Based Project  
Katherine Carvell, Austin Maier (Doctorate FNP Students)

Parent Education on Tummy Time to Prevent Plagiocephaly and Torticollis  
Jennifer Dunn, Kelley Hohman, Ashley Olson, Kayla Willer (PT Students)

Does Incorporating Eccentric Exercises In-Season Help Reduce Quadriceps and Hamstring Strains in Varsity High School Female Track and Field Athletes?  
Rachael Ochs (MS KIN Student)

**Heskett Hall (Clairmont Center)**

Preparation for Entry to Nursing Practice: Perceptions of New Graduate Nurses Regarding How to Help Students Grow into Nursing Professionals  
Tara Wilkens (NE Student)

The Exercise and Limits of Autonomy within Maternal and Fetal Medicine Conflicts  
Hannah Houle (MS Bioethics Student)

Effectiveness of Barefoot Balance Training in Untrained College Students  
McKenzie Watkins, Madison Truscinski (AT Students)

**Butler Hall (Gary Tharaldson School of Business)**

Comparison of Short Sensory Profile Scores for Children With and Without Autism Spectrum Disorder  
Tenika Capouch, Caitlin Dean, William Harvey, Kaylee Lilleberg, Kaitlyn Page, Megan Smisek (OT Students)

Implementation of Depression Screening in Primary Care: An Evidence Based Project  
Dana Redmond, Dwight Remington (Doctorate FNP Students)

Vulnerabilities of Elderly Persons and Physician Assisted Suicide and Euthanasia  
Kathleen Wilson (MS Bioethics Student)
**O’Keeffe Hall (Casey Center)**

**Life after Life**
Hannah Howard (MS Bioethics Student)

**Measuring College Students’ Motivation to Participate in Physical Activity**
Megan Morman (MS KIN Student)

**Bridging the Mental Healthcare Gap in Adolescents**
Alyssa Happe, Danika Nichols (Doctorate FNP Students)

**Classroom 001 (Harold Miller Center)**

**The Effects of Partial Sleep Deprivation and the Sub-Maximal NDKS Exercise Testing Protocol on S-Klotho and Hemodynamic Responses in Men**
Brieann Backes, Kendra Cook, Sarah Frank, Jaime Schaaf, Maranda Wagner (EXS Students)

**Ethical Discernment of Palliative Care in the ICU**
Caroline Walker (MS Bioethics Student)

**PHQ-9 Screening for Inmates at a Rural North Dakota Correctional Facility: An Evidence-Based Project**
Jaimi Pochant, Jacklene Hoffman (Doctorate of FNP Students)

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**11:15 AM – 11:45 AM, Poster Presentations Unopposed**
*Foyer outside of Founders’ Hall*

Occupational Therapy, Communication Science Disorders Students

**11:45 AM – 12:30 PM**

Lunch Break

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**12:30 PM**

**Heskett Hall (Clairmont Center)**

**Implementing a PHQ-9 Depression Screening at Adolescent Sports Physicals**
Brooke Evans, Megan Overby (Doctorate FNP Students)

**Sport Specific Performance Protocol – A Literature Review**
Alexandra Poland, Sofia Rabaey, Ben Porter, Thomas Barry, Matthew Puetz (EXS Students)
Maternal-Fetal Medicine Conflicts and the Ethical and Religious Directives in Catholic Healthcare
Sarah Huntzinger (MS Bioethics Student)

Founders’ Hall (Lumen Vitae University Center)

Workplace Stress, Coping, and the Lived Experience of Occupational Therapists: A Phenomenological Study
Erin Benz, Hayle Hauser, Erin Henninger, MiKenna O’Donnell, Kendra Ulmer (OT Students)

Body Image Dissatisfaction among Collegiate Athletes Participating in Division II Wrestling, Swimming, Track & Field and Cross Country
Elizabeth Anderson, Bradley Johnson, Eric Phillips (MS KIN Students)

Interrater Reliability of Physical Therapists Using the Hruska Adduction Lift Test: A Comparison of Novice and Expert Clinicians
Julia Jackson, Xianhao Peng, Damonn Mischke, Collin Zimmerman (PT Students)

O’Keeffe Hall (Casey Center)

Measurement and Comparison of Agonist vs Antagonist Muscular Imbalances within Division II Collegiate Soccer Players
Annie Hinnenkamp (MS KIN Student)

Analysis of Ethical Issues Surrounding Transgender Treatment with Surgical and Chemical Sex Reassignment
Shannon Klump (MS Bioethics Student)

Implementation of a Pediatric Overweight and Obesity Toolkit for Primary Care Providers in a Rural Health Clinic: An Evidence Based Project
Audrey Brasel, Crystal Krapp (Doctorate FNP Students)

Butler Hall (Gary Tharaldson School of Business)

Urine Creatinine – A Comparison of Active Muscle Mass in Exercise Modalities in Obese and Normal Weight Men
Aaron Brydl (MSCEP Student)

Filling the Empty Uniform: Experienced Nurses and Building a Professional Identity.
Ellen Clifton (NE Student)

Collegiate Athletes Knowledge and Satisfaction Based on Athletic Training Service Exposure in High School
Carolyn Rygg, Madison Vance, Meghan Wick (AT Students)
Arno Gustin Hall (Harold Miller Center)

Reducing Hypertension through Standardized Lifestyle Changes in the Primary Care Setting
Christopher Van Horssen (Doctorate FNP Student)

The Impact of ISL on Professional Skills: Perceptions of OT Fieldwork Students
Viet Le, Laura Oakland, Katie Rosenfeldt, Samantha Steiner, Jasmine Titcomb (OT Students)

An Ethical Analysis on Emergent and Non-Emergent Tubal Ligations
Sydney March (MS Bioethics Student)

Classroom 001 (Harold Miller Center)

Rules and Regulations Regarding Pitch Counts Set Forth by the National Federation of State High School Associations
Anthony Therson, Anthony LaScotte, Matthew Gibbs, Cody Hatfield, Andrew Moran (PT Students)

Ideological Neocolonialism in Sub-Saharan Africa and its Bioethical Implications
Paul Nurse (MS Bioethics Student)

Development and Implementation of a Perinatal Depression Care Pathway and Mental Health Services Summary among the Perinatal Population
Karli Roman (Doctorate FNP Student)

1:30 PM
Founders’ Hall (Lumen Vitae University Center)

Physical Therapy Student Perceptions of Human Anatomy Education Delivery Modalities – A Comparison of SynDavers + Virtual Anatomy to Human Cadavers
Jenny Zetocha, Bethany Briggs, Chloe Sandberg, Trenda Schwantz, Kaari Burbach (PT Students)

Effectiveness of a Summer Injury Prevention Program
Kelly Bosch, Andrea Gleason, Elizabeth Weisz (AT Students)

Growing Trend of Gender Dysphoria in Children and Adolescents
Monique Robles (MS Bioethics Student)

Arno Gustin Hall (Harold Miller Center)

Exploring Role Adjustment: Widows’ and Widowers’ Perspectives
Amanda Beckley, Alexis Brown, Sommer Haugrud, Anna Loomis, Jessica Monarch (OT Students)
Education and Enhancement of Self Efficacy of Diabetes Mellitus Type II Patients in Rural South Dakota: A Quality Improvement Project
Carol Stewart (Doctorate FNP Student)

Brain Death, Consent and Vulnerable Persons
Bobby Schindler (MS Bioethics Student)

Butler Hall (Gary Tharaldson School of Business)

Effects of Contextual Interference Exercising on Agility of First Grade Students
Abbegayle Kisrow, Tori Nelson, Alexis Zeis (AT Students)

Impact of Stretching, Graded Exercise, and Cardiovascular Conditioning Protocol on Patients with Chronic Low Back Pain
Cole McKeown, Kallee Oxborrow, Sierra Roshau, Cody Schepp, Sierra Steckler (PT Students)

Medicine, Ira, and the Crown of the Eighth Rung: An Ethical Evaluation of Therapeutic and Enhancing Interventions that May Affect Symptoms of Anger
David Major (MS Bioethics Student)

Classroom 001 (Harold Miller Center)

Safety and Effectiveness of HIIT VS MICE in the Cardiac Rehab Population – A Literature Review
Jason Shaul (MSCEP Student)

Examination of Agility Performances of College-Age Soccer Players According to Their Playing Position
Joseph Cleary (MS KIN Student)

The Effect of a Community-Based Wellness Program on the Occupational Participation and Quality of Life of Individuals with Parkinson’s Disease
Caitlyn Hunt, Samantha Mead, Alissa Pollard, Andrea Sluke, Samantha Tweeten (OT Students)