

SAINT GIANNA SCHOOL OF HEALTH SCIENCES

Michael G. Parker Research & Scholarship Colloquium

Friday, April 25, 2025

University of Mary Campus
Bismarck, ND



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Michael G. Parker Research & Scholarship Colloquium

Please join us to celebrate the Scholarship of Discovery as our students present new knowledge that they generated in their respective fields of study.

Program Schedule

— 8:00 AM —

Founders Hall, Lumen Vitae University Center

Welcome

Dr. Mary Dockter, Dean, Saint Gianna School of Health Sciences

Opening Prayer

Lydia Sipple, Occupational Therapy Student

Special Message and Congratulations

Monsignor James P. Shea, President

— 8:30 AM – 2:30 PM —

Locations Designated by Group

Platform Presentations

Individual and Student Groups

— 11:15 AM – 11:45 AM —

Founders Hall Foyer, Lumen Vitae University Center

Poster Presentations

Exercise Science Students, Speech-Language Pathology Students

— 11:45 AM – 12:30 PM —

Lunch Break

Platform Presentations

8:30 AM

Founders Hall (Lumen Vitae University Center)

Rural Clinical Experiences Increase the Likelihood of Graduates to Practice in Underserved Areas: An 11-Year Retrospective Analysis of a Rural Physical Therapy Program

Brady Torborg, Ellie Page, Tacey Fischbach (Doctor of Physical Therapy)

Teratogens and Morality: A Catholic Approach to Responsible Procreation

Angela Baalman (MS Bioethics)

Gestational Diabetes Education Project: Implementation of a Culturally Sensitive Gestational Diabetes Awareness Initiative in a Tribal Community

Ivy Brosseau, Madison Hetletved, Aleta Peltier (DNP Family Nurse Practitioner)

Arno Gustin Hall (Harold Miller Center)

Caffeine & Beta-Blockers in Exercise Performance

Dawson Hawkinson, Moriku Hakim, Kylie Olander (Exercise Science)

Laterality as a Prognostic Indicator for Chronic Low Back Pain: A Prospective Quasi-Experimental Cohort Study

Michael Hein, Hannah Gushwa, Kaitlyn Merchak, Spencer Churchill (Doctor of Physical Therapy)

Evaluating Access to Health Care in a Technological Age: Justice, the Common Good, and the Free Market

Michael Best (MS Bioethics)

Heskett Hall (Clairmont Center)

Efficacy of High-Intensity Interval Training for Patients with Heart Failure: A Systematic Scoping Review

Jacob Dix (MS Clinical Exercise Physiology)

Implementing Healthcare Provider Education on Advance Care Planning and Advance Directives: A Clinical In-Service Evidence-Based Practice Project

Amanda Fossum (DNP Family Nurse Practitioner and MS Bioethics), Kaleb Kirby, Anna Thadi (DNP Family Nurse Practitioner)

The Impact of Artificial Intelligence (AI): Perspectives of Occupational Therapy Practitioners in the United States

Riley Alger, Paytyn Lenneman, Hannah Luna, Chelsey Morlock (Doctor of Occupational Therapy)

9:30 AM

Founders Hall (Lumen Vitae University Center)

Conscience, the Code of Ethics, and the Catholic Nurse

Judith Boyle (MS Bioethics)

Implementation of Routine Anxiety Screening in a Rural Health Clinic: An Evidence-Based Project

Amber Albrecht, Cassidy Freeman, Jayme

Jonasson (DNP Family Nurse Practitioner)

Screening of the Thoracolumbar Spine is Almost Completely Absent in Trials Evaluating Conservative Management for Sacroiliac Joint Pain: A Systematic Review of 43 Randomized Controlled Trials

Keith Forkin, Dillan Kovash, Dylann Bylund (Doctor of Physical Therapy)

Arno Gustin Hall (Harold Miller Center)

Intentional Nurse Leadership Rounding on Inpatient Units at a Midwest Hospital: An Evidence-Based Practice Project

Robyn Manke, Tiffany Bennett, Nicole Zabel (MSN Nursing Leadership & Management), Katelyn Kennedy (MSN/MBA in Healthcare Administration)

Occupational Therapy Practitioners' Perceptions and Confidence in Bariatric Care

Jordan Brehmer, Katelyn Brown, Lydia Sipple, Sarah

Wobbema (Doctor of Occupational Therapy)

An Analysis of the Ethics of Embryo Adoption

Katherine Breckenridge (MS Bioethics)

Heskett Hall (Clairmont Center)

The Associations Between Physical Activity Status and Simple Visual Reaction Time in People with Parkinson's Disease

Aidan Harms (MS Clinical Exercise Physiology)

Mortal Choices: Advance Care Planning in Catholic Healthcare

Chip Chipman (MS Bioethics)

Implementation Of Evidence-Based Strategies for Hypertension and High Blood Pressure Documentation in A Primary Care Clinic

Queen Elizabeth Fugah, Tina Morrison Lewis, Cassandra

Olivas (DNP Family Nurse Practitioner)

10:30 AM

Founders Hall (Lumen Vitae University Center)

Optimizing Maternal Mental Healthcare: Educating Healthcare Professionals and Enhancing Utilization of the Healthy Beginnings Program for Pregnant and Postpartum Women

Shelby Heyen, Megan Macke, Tori Weinand (DNP Family Nurse Practitioner)

Impact of Occupational and Physical Therapy Collaborative Intervention Strategies Addressing Chronic Pain

Serena Bangasser, Joseph Mochinski, McKinsey Rosendahl, Ryan Woroniecki (Doctor of Physical Therapy), Lonnie Myers, Rachael Neu, Julia Simonson, Abby Stark (Doctor of Occupational Therapy)

Evaluating In Vitro Fertilization: How the Transhumanism Trend Harms Healthcare

Clare Marie Donohue (MS Bioethics)

Arno Gustin Hall (Harold Miller Center)

The Ability of Minors to Consent or Assent to Gender-affirming Care

Rebecca Godbout (MS Bioethics)

Implementing a Structured Nurse Preceptor Development Program

Maria Socorro Smigo (MSN Nurse Educator)

Inpatient Rehabilitation Treatment of Non-Traumatic Brain Injury: A Case Study

Mariah Lund (Doctor of Physical Therapy)

Heskett Hall (Clairmont Center)

Preparedness of Athletes Utilizing the I-PRRS

Madison Yonke, Elyse Schweikert, Brenna Monosmith (Athletic Training), Allie Elliot (MS Kinesiology)

Knowledge and Experience of Dysphagia Among Healthcare Students

Mikayla Beck, Mariah McKeever, Morgan Salwei, Elizabeth Wortz (MS SLP)

Developing Education Interventions to Support Nursing Leader's Confidence in Recognizing and Responding to Incivility

Jaclyn Kramer, Kelly Wendt (DNP Nursing Organizational Leadership)

11:15 AM – 11:45 AM

Founders Hall Foyer, Lumen Vitae University Center

Poster Presentations

Exercise Science, Speech-Language Pathology Students

11:45 AM – 12:30 PM

Lunch Break

12:30 PM

Founders Hall (Lumen Vitae University Center)

The Combined Effects of Caffeine and Beta-Blockers on Cardiovascular and Pulmonary Exercise Performance Biometric Variables

Cortnie Mongeon (MS Clinical Exercise Physiology)

Establishing an Innovative Model of Care for the Homeless: The Labre Redemption Center

Fr. Daniel Lorimer (MS Bioethics)

Implementation of an Assessment Scale to Identify Patients at High Risk for Central Line-Associated Bloodstream Infections

Jodi Edlund (DNP Nursing Organizational Leadership)

Arno Gustin Hall (Harold Miller Center)

A Comparison of Functional Ability Between People with Parkinson's Disease Who Are Physically Active VS. Physically Inactive

Dakota Sweeny, Kaitlyn Schwass, Matthew Harney (Exercise Science)

Exploring the Ethics of Performing Surgery on Patients with Dementia: A Case Study

Briana Farnsworth (Doctor of Physical Therapy)

Investigating Differences in Autism Spectrum Disorder Classification and Gestational Age

Steven Friez, Alyssa Nelson, Kennedy Ortega
(Doctor of Occupational Therapy)

Heskett Hall (Clairmont Center)

Exploring the Personal and Professional Outcomes of Pursuing Fellowship Training in Orthopedic Manual Physical Therapy: A Mixed-Methods Analysis

Joshua Clark, Andrew King, Corbin Olson, Maddy Steckler (Doctor of Physical Therapy)

Understanding How Sleep Affects Collegiate

Athletic Performance: A Self-Reported Study

Ashlynn Dix, Tayler Feldman, Kaya Gayette,
Kaitlyn Werner (Athletic Training)

Nursing Faculty Experiences with Student Nurses with

Varying Degrees of Healthcare-Related Work Experience

Haley Bossert (MSN Nurse Educator)

Simmons Center (Casey Center)

Advanced Practice Provider Transition to Practice

Project: An Evidence-Based Practice

Kimberly Albers, Shari Kuther (DNP Nursing Organizational
Leadership), Helen Early (DNP Family Nurse Practitioner)

Occupational Therapy and Health Literacy

Emma Hagen, Morgan Murphy, Brenna Oksa
(Doctor of Occupational Therapy)

1:30 PM

Founders Hall (Lumen Vitae University Center)

Exploring How to Support Fieldwork

Educators in Occupational Therapy

Talitha Donnan, Lillianna Hanson, Makenzi Long
(Doctor of Occupational Therapy)

The Effect of Hearing Loss on Balance

Charlotte Culloton, Dallas Dowhanuik, Kristian
Paulsen, Thomas Schmid (Athletic Training)

Organ Donation after Euthanasia: An Emerging Ethical Dilemma

Anna Quigley (MS Bioethics)

Arno Gustin Hall (Harold Miller Center)

Perceptions and Experiences of Peer Mentors

in An Undergraduate Nursing Skills Lab

Madison Lien (MSN Nurse Educator)

The Development of Occupational Therapy Clinical

Skills During a Level I Fieldwork in Peru

Jillian Bechtold, Emily Bleicher, Nellie Skytland
(Doctor of Occupational Therapy)

**Between Hope and Harm: The Moral Dilemmas
of Life-Sustaining Treatment in Children**

Genevieve Vavrus (MS Bioethics)

Heskett Hall (Clairmont Center)

**Assessment of the Awareness of the Field of Clinical
Exercise Physiology Among Exercise Science Students**

Arianna Marrufo (MS Clinical Exercise Physiology)

**Impact of Spinraza Injections & Physical Therapy
Interventions on Motor Function in a 7-Year-Old Female
with Spinal Muscular Atrophy (SMA) Type 1: A Case Study**

Molly Gathman (Doctor of Physical Therapy)

**Impacting Newly Licensed RNs' Knowledge and Confidence
in Quality and Safety Through Formal Education in
a Transition-to-Practice Residency Program**

Nicole Spidahl (DNP Nursing Organizational Leadership)

Simmons Center (Casey Center)

**The Effect of Plank Position on Performance & Metabolic
Response in Female Collegiate Athletes**

Rachel Gowin, Grace Stroh, Taylen Thomas (Exercise Science)

**Pediatric Lifestyle Risk Assessment and Provider
Education: Implementing an Evidence-Based Practice
Project Assessing Provider Comfort and Confidence**

Tierza Thormodson, Chloe Sieling, Molli Strandberg
(DNP Family Nurse Practitioner)

**Mitochondria's Role in the Bidirectional Relationship Between
Sarcopenia and Type II Diabetes: A Systematic Scoping Review**

Jonathan Alvarado Vasquez (MS Clinical Exercise Physiology)

Poster Titles

Posters are located in the Founders Hall Foyer in the Lumen Vitae University Center and are available from 8:00 AM – 2:30 PM, with presentation hours between 11:15 AM – 11:45 AM.

Exercise Science Students

The Effect of Plank Position on Performance & Metabolic Response in Female Collegiate Athletes

Rachel Gowin, Grace Stroh, Taylen Thomas

Speech–Language Pathology Students

Literature Review: The Effects of Perfectionistic Tendencies on Communication Sciences & Disorders and Speech–Language Pathology Students

Megan Manly, Amanda McGrath

Caring for Individuals with Parkinson’s Disease: Evidence-Based Strategies for Elevating Care Partner Quality of Life

Erin Remboldt, Brianna Bean, Katelyn Erickson

Effectiveness of Dynamic Temporal and Tactile Cueing in its Application to Childhood Apraxia of Speech

Thomas Maschuen

Dynamic Temporal and Tactile Cueing (DTTC) VS. Integrated Phonological Awareness (IPA) in Childhood Apraxia of Speech (CAS)

Brooklyn Lucko, Brooke Schlegel, Bailey Schock

Exercise–Induced Laryngeal Obstruction: A Review of the Existing Literature

Sarah Graner, Emily Laurie, Kaia Sueker

Does Constraint–Induced Aphasia Therapy Lead to Greater Gains in Language Recovery Compared to Multimodal Aphasia Therapy for Post Stroke Aphasia?

Isabelle Green

Continuing education contact hours will be awarded to Occupational Therapy and Physical Therapy participants.



The Michael G. Parker 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 the event.



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