

RESEARCH OFFICE NEWSLETTER

April 2021

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Our overall mission is to raise the research profile at the College of Nursing. This means fostering an environment that is conducive to faculty scholarship and developing the next generation of nursing researchers by helping Ph.D., DNP, and undergraduate students with research and evidence-based projects.

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FUNDING OPPORTUNITIES

Getting to Know NIH

The NIH is made up of 27 institutes and centers with 24 actively awarding grants. Here is summary of some of centers that may be a good fit for the research at the College of Nursing.

The National Institute of Nursing Research (NINR) is the institute in which we are the most familiar. NINR focusing on symptom science and nursing research, end of life care, advancing nursing research through data science, and women's health. For more information click [here](#).

The National Institute on Minority Health and Disparities. Grant priorities include impacting health determinants that contribute to health disparities through clinical and health services research, integrative biological and behavioral research, and community health and population sciences. Additional information can be found [here](#).

The National Cancer Institute funds cancer related research across a wide spectrum including: cancer biology, cancer genomics, cancer causes, cancer detection and diagnosis, cancer prevention, cancer treatment, public health and cancer, cancer health disparities, childhood cancers, and global cancer research. More information can be found [here](#).

Eu nice Kennedy Shriver National Institute of Child Health and Human Development funds a wide variety of research in human development, including contraception, fertilization, pregnancy, childbirth, prenatal and postnatal development, childhood development through adolescence, intellectual and developmental disabilities and rehabilitation medication. Additional

information can be found [here](#).

The National Institute of Mental Health focuses on neuroscience and basic behavioral science, translational research, services and intervention research, AIDS research, training and career development, technology development and coordination, genomics research and disparities and global mental health. For more information click [here](#).

College of Nursing Research Office Update

Thanks to all those facilitating at the The College of Nursing's Research Brown Bag. The next Brown Bag will take place on May 6th at 10AM. The discussion will be moderated by Dr. Werner and focus on reviewing a NIH RO1 Specific Aims page for research on the impact of multilevel stress on suicidality and substance use disorders. Please let Keri know if you have not received an invitation on Outlook.

Recordings for the March Workshops: "What it means to be a scholar - How to reach our scholarly potential," lead by Interim Dean Dr. Vandermause and Dr. Dean-Barr can be accessed [here](#).

The MU Sinclair School of Nursing's Evidence-Based Practice Conference is accepting abstracts for the 2021 conference. The conference focuses on using evidence to guide clinical nursing practice. The conference is interested in abstracts including information that can be put into practice by staff nurses. The conference will be virtual and use 10-12 minute prerecorded mini presentations. You can view the call for abstracts [here](#).

WHAT IS NEW ON THE RESEARCH SIDE

Here is a summary of some of the new nursing education related research published in the last month.

Assessing Just Culture in Nursing Education. Just Culture looks to increase safety practices and decrease error reoccurrence by examining the process that led to the error instead of blaming or punishing individuals. Just Culture has been widely supported in clinical practice but less so in nursing education. In order to assure a just culture in nursing schools assessment tools are needed. This research looks to further develop the Just Culture Assessment Tool-Nursing Education by using factor analysis on previously collected data. Six subscales were identified including: Continuous Improvement Process, Fear of Reporting, Feedback and Communication about Events, Fairness/Balance, Openness of Communication, and Quality of the Safety Related Error Reporting Process. This instrument can easily be used by nursing programs to assess their culture and make improvements when needed. Walker et al. Exploratory factor analysis of the Just Culture Assessment Tool for Nursing Education. *Journal of Research in Nursing* 2021;23:49-59

Matching Instruction to Graduate Student Preferred Teaching/Learning Strategies. For this study the literature and experts in the field were consulted in order to create a substantial list of teaching and learning strategies utilized in on-line courses. Graduate students enrolled in at least one asynchronous course at an Eastern US College of Nursing were surveyed for demographics, and preference for 26 teaching and learning strategies. The least liked strategies included: on-line games, synchronous chat rooms, Wikis and workshops. Students preferred a combination of teaching methods for asynchronous courses including voice-over Powerpoints, simulation, case studies, guest speakers and faculty communication. Designing courses using student preferred teaching and learning strategies may improve student engagement and educational outcomes. However, authors note it is important to incorporate engaging learning experiences and student/faculty interaction. Harlan et al. Strategies for graduate nursing students in web-enhanced courses. *Nurse Educator* 2021;46:92-95

OB-GYN Simulations Reduce Student Stress but may not Influence Student Self-Confidence. A randomized controlled trial compared a student cohort who received theoretical training and participated in 6 OB-GYN sim lab scenarios to those receiving only theoretical

training. Students in the control group report higher clinical stress when entering clinical practice without the scenarios than those that did. However there was no difference between the groups in relationship to student self-confidence levels. Control group students showed higher satisfaction with the clinical learning environment than those in the groups participating in the simulations. Erenel et al. Effect of scenario-based simulation training in the obstetrics and gynecology nursing clinical practicum. *Journal of Nursing Research* 2021;29:1-8.

Please contact Keri Jupka (kjzvf@umsl.edu) for copies of any of these articles or check the Research Office Teams site.

CON SCHOLARSHIP SPOTLIGHT

Congratulations to those representing the College of Nursing at last month's MNRS Conference.

- Dr. Wilma Calvert was part of the ESN Panel Discussion: Understanding the Effects of Social Determinants of Health on Health Outcomes.
- Dr. Umit Tokac presented "The impact of COVID-19 on United States Nursing Professional's Mental Well-being and Workplace Impairment."
- Dr. Kimberly Werner presented "Massed Cognitive Processing Therapy for Posttraumatic Stress Disorder in Women Survivors of Intimate Partner Violence."
- Dr. Amanda Finley presented "The Relationship Among Perfectionism, Perceived Stress, and Coping in Baccalaureate Nursing Students."
- Ann Thaiudom and Dr. Sue Dean-Baar presented "Health-related Consequences of Traumatic Brain Injury: A Systematic Review."
- Professor Paula Prouhet presented "The Influence of Nurses' Attitudes, Beliefs, and Biases of Families on Family-Centered Care Delivery in the Neonatal Intensive Care Unit: A Grounded Theory Study."

Also congratulations to those submitting funding applications or Letters of Intent in March and April including Dr. Tokac, Dr. Calvert, Dr. Grigsby and Dr. Bertram.

Undergraduate Research Symposium is April 30, 2021



- In partnership with the Honors College and the UMSL Undergraduate Research Coordinator we would like to encourage undergraduate students, graduate students and faculty to attend UMSL's Undergraduate Research Symposium April 30.
- The Symposium will be held from 1:00 - 3:00PM via Microsoft Teams. Additional information can be found here: <https://www.umsl.edu/studentresearch/urs/index.html>.