

# RESEARCH OFFICE NEWSLETTER

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## SUPPORTING RESEARCH

*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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## PROFESSIONAL DEVELOPMENT OPPORTUNITIES

### Professional development is available

The University of Missouri System along with some national organizations offer professional development opportunities for faculty and staff at no cost to you or the college. Below are some upcoming opportunities to consider taking advantage of.

**Research Development Brown Bag Series** is offered through UMSL's Research and Economic and Community Development group. The series has seven sessions including an introduction to Proposal Writing, Foundation Funding, Searching for Funding, IP Protection and Commercialization, Evaluation, Data Visualization and Working with Community Partners. For more information click [here](#).

**Other UMSL Opportunities** include the Writing Winning NIH Grant Proposals with Lauren Broyles, Program Officer Pitch Sessions and the Early Career Research Network Mentoring Program. Additional information can be found [here](#).

**NINR Methodology Boot Camp** this year is offered virtually at no cost. The focus is on Artificial Intelligence's evolving role in healthcare. There are three sessions from September 13th to September 27th. Additional information can be found [here](#).

**NINR Director's lectures** are held throughout the year and provide the latest information from top nursing scientists. These lectures are videocasts and freely available to anyone interested. Additional information can be found [here](#).

**Nextgen Precision Health** offers a number of faculty research and clinical care professional

development opportunities for the entire MU system. The Discovery Series provides MU faculty and staff in many disciplines the opportunity to learn about the precision health research currently taking place and identify collaborative opportunities. Science Seminars happen monthly and highlight a variety of topics related to precision health research. The initiative also offers a five session Clinical Trail Investigator Training for faculty who currently or would like to lead clinical trials. For more information click [here](#).

### College of Nursing Research Office Update

Welcome back. We hope you had a wonderful summer but are looking forward to the start the semester and getting back to research and scholarship. Below are opportunities for faculty, students and staff to be involved in research and scholarship at the College of Nursing.

- The Research Office offers monthly brown bag sessions in which staff, faculty or graduate students are welcome to lead discussions about their work including manuscript development, grant applications, research questions and so forth. We encourage you to sign up to host a [session](#). Brown bags are normally held the first Thursday of the month at 1PM
- Research workshops are organized by the Research Office and offer information on current research topics. Workshops are facilitated by invited guests and are informative and interactive. Dates include 9/22, 11/17, 2/16 and 4/20.
- Finally the Scholarship, Research and Evidence-Based Practice Committee chaired by Dr. Calvert meets monthly.

## 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.

[Training Nursing Students to Meet the Needs of Veterans.](#) This program used the National League for Nursing Advancing Excellence for Veterans series of case studies to develop a simulation for nursing students. The simulation focused on Jenny Brown, a pregnant veteran with post-traumatic stress disorder. Veterans were also brought in to speak with the students prior to the simulation and during debriefing. The students participating reported increased knowledge of veteran health care needs and confidence to address those needs, empathy for veterans, and understanding of the complex needs of veterans. Students responded positively to the experience and recommended integrating this experience permanently into the curriculum. Flores et al. Integrating Veteran Healthcare into Nursing Curricula: In the students' words. *Clinical Simulation in Nursing* 000:1-7. doi.org/10.1016/j.ecns.2021.05.005

[Digital Health Literacy Concerns in Graduate Nursing Students.](#) In order to raise student awareness of digital health resources available to patients, graduate nursing students were provided didactic education on digital health literacy and understanding readability and then asked to use a standard instrument to analyze health education websites. Prior to and after the lecture and assignment, student digital health literacy and perceptions of the role in digital resources in patient education were assessed. The post-test scores showed an increase in agreement with statements regarding the importance of internet information for patient education and the importance of patients being able to access this information. After the completion of the activities, 90% of students noted they would review digital materials prior to suggesting them to patients. George et al. Graduate nursing students' awareness of digital resources for patient education. *Journal For Nurse Practitioners* 2021;17:851-854.

[Training Can Increase Opioid Response Knowledge, Skills, and Confidence in Nursing Students.](#) Opioid education was integrated into the 2nd, 4th, and 5th semesters of a US nursing program. Researchers used a brief opioid overdose knowledge questionnaire, and likert scale questions about student perceptions and attitudes. Training was based on information from SAMHSA's Opioid Overdose Toolkit and included a video, interactive lecture, followed by opportunities and practice and finally a faculty assessment. Students scored high on the knowledge instruments at pretest

but scores did increase at post-test. Students perceived the education sessions as effective including helping them understanding the effects of opioid misuse, managing overdoses, and understanding naloxone. Further data analysis found that the intervention was successful at all three course levels but most effective in the higher level course. This intervention was short, straightforward and could be implemented in other nursing programs. Hines et al. An opioid education program for baccalaureate nursing students. *Journal of Addiction Nursing*. 2021;32:88-94.

[Go Pro Cameras on High-fidelity Manikins Can Help Students Understand the Patient Perspective.](#) A Go Pro camera was mounted on the forehead of a ventilated non-verbal simulator. The camera recorded the students participating in the simulation including students skills such as focused assessments, medication administration, oral care and therapeutic communication. Students and faculty reviewed the videos and debriefed. During debriefing a number of themes emerged. Student emotional (fear) responses to complex environment with multiple equipment was a barrier to being patient focused. Watching themselves in the video helped students to reflected on how their facial expressions or tone of voice could make the patient feel. Seeing things from the patient perspective also helped students understand how to consider patients personal spaced while providing treatment. This study has introduced a new opportunity to enhanced the simulation process for students and help students think from the patient's perspective. Taplay et al., Simulation and a GoPro camera: Changing student nurses' perspectives of patient-centered reflection. *Clinical Simulations in Nursing* 2021:000,1-6.

## CON SCHOLARSHIP SPOTLIGHT

Congratulations to all DNP students presenting their Capstone work in July. Our students had outstanding capstone projects. We encourage students with interested to work to publish their capstone projects. Our office is happy to work with students interested in publication. Please feel free to contact us for support.

Also congratulations to PhD student Anita Reger for successfully defending her dissertation "Discovering Hidden Signs and Symptoms of Heart Failure in the Electronic Health Record Using the Omaha System."

Congratulations to Dr. Wilma Calvert whose project "Understanding the Situated Experiences of Tenured Black Nursing Faculty: Keys to Eradicating Race Inequities in Nursing Education" was awarded the Sigma/Chamberlain College of Nursing Education Research Grant.