

FEBRUARY 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

Submitted Funding Opportunities

2021 has been busy for grant applications already. Here are three grants the College of Nursing collaboratively submitted for consideration in the last month.

HRSA's Maternal and Child Health Leadership Education and Advancement in Undergraduate Pathways Training Program. Led by Dr. Natalie Murphy, with support from Professors Christine Dirie and Michelle Barrier, CON submitted a high quality application. The application (New Moms: Nursing Education Workforce Training to Improve Maternal/Infant Outcome Measures) if funded will allow for the enhancement of maternal and child health curriculum components and provide funding for undergraduate students wishing to work in maternal and child nursing.

HRSA's Nursing Workforce Diversity Program. Dr. Vanessa Loyd led her team of Roxanne Reid, Diane Saleska, Shiela Grisby, Wilma Calvert, Kim Werner, Collete Dixon, and Keri Jupka in submitting their project (Student Educational Experience to Expand Degrees in Nursing (SEED-N)). If funded, this grant would offer additional academic and peer support services for students, enrich mentoring programs, expand diversity in faculty, and provide direct financial support to underrepresented undergraduate students.

State Board of Nursing's Nursing Education Incentive Program. Led by Accelerated Program Director Paula Prouhet and Interim Dean Annie Vandermause, if awarded funding would allow for the expansion of our accelerated BSN program by adding a spring cohort of students and purchasing telehealth equipment. Amanda Finely, Alex Bracher, and Collette Dixon supported this work as well.

College of Nursing Research Office

Update

The next Research Brown Bag is Thursday Feb 4th. Dr. Cathy Koetting will be discussing the application of phenomenological methods in nursing studies. If you are interested in moderating or leading a future brown bag discussion click [here](#).

Recordings for January's Research Workshop focused on qualitative data analysis, led by Dr. Bertram can now be found in the Research Office's [Teams Site](#). If you are not able to access the site please email Keri and she can help with access.

The next Research Workshop will be held in March and will feature a panel discussion of what it means to be a Scholar. An invite with the zoom link will be distributed closer to the event.

The Research Office has been busy with IRB protocols in the last few weeks. This is just a friendly reminder that all student IRBs should be reviewed by their faculty adviser before being submitted to the research office for review. Protocols should only be submitted by Dr. Werner or based on her direction.

Check out Mizzou's NextGen Precision Health Discovery Series starting February 10th [here](#).

Programs for Increase Diversity Among Individuals Engaged in Health Research Summer training opportunity is now open. Find more information [here](#).

The Wayne State University College of Nursing sponsors a seminar series on Biological Mechanisms of Health. The series provides an opportunity to learn and meet potential collaborators. The next event will be held March 9th. Click [here](#) for more information.

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.

Integrating Ethics Education in Simulation Scenarios. Eight papers were included in a scoping review leading to the conclusion that ethics education has potential to enhance knowledge and skills related to ethical nursing practice. However, as a relatively new and innovative approach in simulation-based nursing education there is no consensus around best practices including the what, when and how of implementation. This includes questions about the type of ethical dilemmas, handling debriefing sessions, and the learning needs of instructors running the simulation scenarios. Sedgwick M., et al. A scoping review of the integration of ethics education in undergraduate nursing high-fidelity human simulation-based learning. *Journal of Clinical Nursing* 2020;00:31-10.

How has COVID-19 Influenced the Mental Health of Nursing Students? When compared to final year students in 2017, current nursing students experienced significantly higher levels of stress during the COVID-19 pandemic. Findings indicated students during COVID-19 had two times the risk of suffering poor mental health than the pre-pandemic cohort. Current students scored high on the Emotional Exhaustion Scale. Sense of Coherence was found to be a protective factor. Authors recommend instructors take the potential effects of the pandemic on students into consideration when planning for courses and bring in strategies for dealing with stress and depression such as mindfulness. Reverte-Villarroya et al. The Influence of COVID-19 on the mental health of nursing students: Comparing the situation before and during the pandemic. *International Journal of Mental Health Nursing* 2021.

Faculty caring positively influences student outcomes. The most important caring behaviors according to students surveyed included: demonstrating engagement, facilitating learning, challenging students and encouraging students. Demonstrating engagement includes faculty being accessible by email. Faculty can facilitate learning by providing constructive responses to assignments. Challenge students by posing critical intellectual questions. Finally encourage students by expressing empathy and compassion and providing praise when appropriate. Jezuit, et al. Graduate nursing students' perspectives of faculty caring in online learning: A survey study. *International Journal for Human Caring* 2020;24:257-264.

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

CON SCHOLARSHIP SPOTLIGHT

We have lots of accomplishments from last year and the beginning of this year to highlight!

Congrats to Dr. Anne Fish and PhD Student Fan Li on their publication:

- Zuo P, Li F, Fish AF & Lou QQ. (2020) Are the insulin injection guidelines really evidence-based. A systematic review of different guideline recommendations. *Chinese Journal of Diabetes Mellitus* 12(2)96-101.

Dr. Vandermause, Dr. Fish and Dr. Murphy have a new publication.


- Vandermause R, Fish A, Bender A, Murphy N, Lavin R. (2021) The "seeing place": Teaching nurse practitioners about cultural difference through dramatization. *Nurse Education Today*, 97, 1-6.

Congratulations to PhD Student Nora Strebeck, DNP students Brenda Pauley and Michelle Parmentier along with Dr. Wilma Calvert on their upcoming Missouri Nurse publication "Undiagnosed Hepatitis C burden in pregnant St. Louis County Women."

Other CON publications include:

- Arditte Hall K, Werner KB, Griffin MG & Galovski TE. (2020) The effects of Cognitive Processing Therapy + hypnosis on objective sleep quality in women with posttraumatic stress disorder. *Psychological Trauma: Theory, Research, Practice and Policy*.
- Murphy N (2021). Cardiovascular. In Zerwekh J (Ed.) *Family New Practitioner Certification Review*. Elsevier.
- Murphy N (2021). Heart failure. In Hollier A & Hensley R (Eds,) *Clinical Guidelines in Primary Care* 4th Ed. APEA
- Ehmke, M & Sanner-Stiehr, (2020). Improving attitudes toward poverty among DNP Students: Implementing a community action poverty simulation. *Journal of the American Association of Nurse Practitioners*

Congratulations to the following undergraduate student groups invited to represent CON and UMSL at the upcoming Undergraduate Research Day at the capital.

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- B Sheriden, E Elking, E Stevenson, I Kudanovyh, "The interprofessional management of concussions in the school Setting" (Dr. Sun Advisor)
 - Jones K, Anderson A, Moseley B, L Ebers, "Chlorhexidine Gluconate bathing & its effect on central line associated bloodstream infections" (Dr. Hutchings Advisor)