Living Through History: Research Updates

If you are like me, the challenges and issues we have faced in our personal and professional lives due to COVID-19 were unanticipated. As a nurse scientist involved in population health, we knew that pandemics were possible, many of us planned and trained for it, but the disruption and anxiety was almost incomprehensible. We are living through history in the making. Each of you have risen to the challenges. What you are doing for Mississippi, students, other faculty and staff, and your families is awe inspiring. Thank you.

Like our other missions, research has been affected. The good news is that in the School of Nursing, research hasn’t stopped, but many of the aspects of research have been temporarily halted. Several of our funded studies have moved into a period of data analysis and publication development, or project administrative duties. The NCI STRIDES study which utilizes the School of Nursing basic lab is working on a data capture and management systems program that will improve efficiency and will likely be a model for other research sites. Some training deliverables funded by the NIH under the Mississippi Center for Clinical and Translational Research (MCCTR) have been rescheduled to late summer. And our amazing faculty continue to explore grant funding opportunities with planned grant applications in the works. Researchers are resilient folks, in part from experiences in the field when modifications are needed as the realities of recruitment or implementation don’t fit the written plan!

Please remember that Marla, Jeremy, and I continue to be available. Use this time to work on your publications and plans for research funding.

One final note. This will be my last newsletter before I retire from UMMC. It has been so much fun to work with the faculty and students the past 4 years as the Associate Dean for Research and Scholarship. There has been a shift for the better in research in the School of Nursing, and a greater recognition at UMMC about what nurse scientists can do. I know that the next ADRS will continue to foster research but will need your help. I can’t wait to hear all of the impressive things that are happening that impact health and build the scientific base for nursing science.
What Is a Research Grant?

Within the realm of federal government grants, research and development grants are some of the most numerous and diverse. What types of research grants does the Federal government support?

When you search for “research” on grants.gov, there are currently over 1,600 open grant opportunities! Each of these diverse assistance programs and grant opportunities are legislatively authorized federal assistance programs that federal grant-making agencies use to support research.

A simple definition of research means a systematic investigation, including research development, testing, and evaluation, designed to develop or contribute to generalizable knowledge (45CFR46.102). While many of us may picture scientists in white coats performing lab experiments, the range of research grants is far wider.

How do I get a research grant?

First, you or your organization need expertise within your field of work (e.g., diabetes, access to healthcare, physical activity, spirituality, etc.)

Next, before searching through hundreds of grant opportunities, you may want to familiarize yourself with the grant-making-agencies, and their programs that fund research.

Finally, you need to search for open grant opportunities that align with your area of expertise. Once you’re ready to apply, create a workspace and begin your application. Don’t forget to contact the SON ORS early so that we can help!

For the full article click on the link below.

https://grantsgovprod.wordpress.com/2019/10/07/what-is-a-research-grant/#more-1291
DNP Students complete their Scholarly Project

Armstrong, Katelyn: “The Impact of Remote Patient monitoring on Pediatric Patients with Diabetes”.

Barrick, Christy: “Effects of a Fasting Protocol for Surgical Intensive Care Unit Patients Prior to General Anesthesia”.

Kirkendall, Neeli: “Management of Sleep Disturbances in Children with Autism Spectrum Disorders”.

Lopez-Lambert, Eloise: “Utilization of a Mobile health Clinic to Provide Comprehensive Early and Periodic Screening, Diagnosis and Treatment Services for Mississippi’s Public School Children”.

Starnes, Elizabeth: A Nurse Initiated Protocol for a Spontaneous Breathing Trial in the Adult Ventilated Patient”.

Williams, Conitra: “Nursing Assessment and Management of Agitation Traumatic Brain Injury in an Inpatient Rehabilitation Setting”.

DNP Systematic Review Defenses

Bedi, Sarah: “The Experiences of Adults Participating in Infertility Support Groups: A Qualitative Systematic Review”.

Brown, Darla: “Phytochemicals and Cognitive/Behavioral Function in Patients with Alzheimer’s Disease: A Scoping Review”.

Dennis, Raghib: “Effectiveness of Financial Incentives for Long-Acting Injectable Antipsychotic Adherence in Patients with Psychotic and Bipolar Disorders: A systematic Review and Meta-Analysis”.

Sage, Alex: “Nursing Quality Indicator Outcomes in Hospitals with a Clinical Nurse Leader: A Scoping Review”.


Vanderlooo, Marion Patti: “The Association Between Anti-Thyroid Antibodies and Quality of Life in Patients with Thyroid Disorders: A Systematic Review and Meta–Analysis”.
PhD Students Complete Their Degree Requirements

Arrant, Karen: Dissertation title “The Effect of a Yoga Intervention on Sleep and Stress in Post-menopausal Women”. Arrant’s Committee is composed by committee chair, Mary W. Stewart PhD, RN, Janey Y. Harris DNP, RN, NEA-BC, Laree Hiser PhD, Sydney Murphy PhD, and Lei Zhang PhD, MBA.

Carr, Kayla: Dissertation title “School-Based Health Center Delivery of a Cognitive Behavioral Skills Training Intervention for Anxiety, Depression, and Executive Function in Rural Adolescents: A Feasibility and Effectiveness Study”. Carr’s committee is composed by committee chair, Mary W. Stewart PhD, RN, Kim W. Hoover PhD, RN, Lisa Haynie PhD, RN, FNP-BC, Crystal Lim PhD, and Lei Zhang PhD, MBA.

Douglas, Kimberly: Dissertation title “Parental Monitoring of Adolescent’s Social Media: An Exploration of Parents’ Intentions to Monitor and Mediate Social Media”. Douglas’ committee is composed by committee chair Kandy Smith, DNS, MN, RN, Mary W. Stewart, PhD, RN Lei Zhang, PhD, MBA, Jean Walker, PhD, RN, Leandro Mena, MSD, MPH.

Hall, Katie: Dissertation title “Relationship Between Environmental Air Quality and Congenital Heart Defect”. Hall’s committee is composed by committee chair, Jennifer C. Robinson PhD, RN, CNE, FAHA, LaDonna Northington DNS, RN, BC, Aimee S. Parnell MD, Lei Zhang PhD, MBA and William H. Cooke III, PhD.

Rhodes, Kathleen: Dissertation title “Exploring the Relationships Between Stress and Transition Readiness on Patient-Center Outcomes in Young Adults with Inflammatory Bowel Disease”. Rhodes’ committee is composed by committee chair Jean T. Walker, PhD, RN, Tina Martin, PhD, RN,FMP-C, Karen Winters, PhD, RN, Johnnie Sue Wijewardane, PhD, APRN, FNP-BC, FAANP, Lei Zhang., PhD, MBA.

Rigdon, Katherine: Dissertation title “Relationships Among Self-Care, Compassion Satisfaction, and Compassion Fatigue of Nurses in Community Hospitals in the Southeastern United States”. Rigdon’s committee is composed by committee chair, Karen Winters, PhD, RN, LaDonna Northington, DNS, RN-BC, Lei Zhang, PhD, MBA, Marcia Rachel, PhD, RN, NEA-BC, Sheila Keller, PhD, RN.

Risley, Carolann: Dissertation title “Independent Effects of Race and Age on High-Risk Human Papillomavirus Genotypes in Women in Mississippi with Atypical Squamous Cells of Undetermined Significance of the Uterine Cervix” Risley’s committee is composed by committee chair, Mary W. Stewart PhD, RN, Lei Zhang PhD, MBA, Kim Geisinger MD, Susan Lofton PhD, RN, and Kim Hoover PhD, RN.

Parnell, James Michael: Dissertation title “Social Structures Among Inpatient Nursing Units and Healthcare Outcomes: Exploring the Independent and Combined Effects of Nurse Managers’ Leadership Practices and Social Network Properties of the Nursing Staff on Nurse-Sensitive Outcomes”. Parnell’s committee is composed by committee chair Jennifer C. Robinson, PhD, RN, CNE, FAHA, Janet Harris, DNP, RN, NEA-BC, Sharon Lobert, PhD, RN, Robin W. Rockhold, PhD, William Replogle, PhD.
A multidisciplinary team of UMMC partners have received new funding from the Centers for Disease Control and Prevention (CDC) to conduct the Mississippi Parasite Project in Forrest County. The team includes Dr. Charlotte Hobbs, Associate Professor in the Division of Pediatric Infectious Disease; Dr. Lisa Haynie, Professor in the School of Nursing; Dr. Brian Kirmse, Associate Professor in the Division of Pediatric Genetics, Dr. Paul Burns, Assistant Professor in the School of Population Health, Sarah McGraw, Nurse Practitioner, School of Nursing, Ramona Brock, LPN, School of Nursing, Tammy Bell, Health Educator, School of Nursing, Carla Hughes, LPN in Division of Pediatric Infectious Disease, and Irene Arguello, Lead Technologist In Pediatric Infectious Disease.

Hookworm was once widespread in Mississippi. In the early 1900s, the Rockefeller Sanitary Commission surveyed and treated thousands of people across Mississippi and other Southern States. However, there has been no recent assessment as to whether children in Mississippi have the infection today. Risk factors present in specific areas and populations, such as those with poor sanitation, animal and soil contact, and Mississippi’s warm climate, suggest that this infection should be considered again. Moreover, symptoms are vague, and therefore, may go under-recognized.

Through this project, children enrolled in the study will be checked for this infection. The study will be conducted through School of Nursing Health Fairs and Children’s of Mississippi Clinics in areas identified as high risk for infection. Additional consultative advice for disease surveillance is being provided by Dr. Paul Byers (State Epidemiologist, Mississippi Department of Health). Together, the Mississippi Parasite Project’s team hopes to contribute to the health of Mississippi’s Children.

**Training at NINR (NIH Campus)**

Learn more about NINR’s commitment to training the next generation of nurses scientists – Click on the program for more information.

- NINR’s Graduate Partnership Program
- Summer Genetics Institute (SGI)
- NINR Methodologies Boot Camp
- NIH Training Opportunities and Resources
- Developing Nurse Scientist Online Course
- Protecting Human Research Participants Online Training & Certification

**Inspiring Quote**

Whatever it takes to finish things, finish. You will learn more from a glorious failure than you ever will from something you never finished.

Neil Gaiman,

Writer
**KUDOS**

**Research Award to PhD Students:**

Congratulations to Jacob Crouch and Stacee Naylor on receiving the Research Day Poster Presentation Award, for their poster presentations. They were judged on the poster layout/text/rationale, experimental methods, data/conclusions, overall presentation style, and ability to answer questions.

**Award Winners:**

DNP students Adyn Dancy and Ola Hall received the second and third place award at the 24th SHRP Research Day in the Outstanding Evidence-Based Medicine Category. Congratulations!

**Accepted DNP Projects to Critical Care Congress 2020:**

DNP graduates Elizabeth Starnes and Christy Barrick, who both work as NP’s in the SICU at UMMC submitted their DNP Scholarly Projects to the Society of Critical Care Medicine and both were accepted for the 2020 Critical Care Congress. Elizabeth’s project involved the implementation of a nurse-initiated protocol for spontaneous breathing trials in the adult ventilated patient and Christy implemented a reduced fasting protocol for surgical intensive care unite patients prior to general anesthesia. Congrats Elizabeth and Christy!

**Grants**

UMMC School of Nursing in collaboration with the University of Alabama Birmingham received the NIH award for the submission of the proposal “Expanding Cancer Prevention and Control Infrastructure to Reduce Cancer and Other Chronic Disease Health Disparities in the Deep South”.

Congratulations to Dr. Robinson PI, Dr. Angela Duck, Investigator, Dr. Katherine Hall, post-doctoral trainee, and Monica White pre-doctoral graduate trainee, on this grant!

**Upcoming Events: Subject to Change**

**Sigma Theta Tau- International Nursing Research Congress**- July 23-27, 2020, Abu Dhabi, United Arab Emirates

**CANS State of the Science Congress on Nursing Research**- September, 17-19, 2020, Washington, DC

**NLN-Nursing Education Summit**- September 23-25, 2020, Orlando, FL

**APHA Annual Meeting**- October, 24-28, 2020, San Francisco, California

**American Heart Association and Scientific Sessions**- November 14-16, 2020, Dallas, TX

**SNRS**- February, 17-19, 2021, Houston, TX
Faculty Publications

October 2019–March 2020


Abrams, D., McNair, M. (2019) Quality of Life in Patients with Advanced Heart Failure and an Implanted Left Ventricular Assist Device: An Umbrella Review Protocol. JBI Database of Systematic Reviews and Implementation Reports, 17 (10), 2115-2121


Faculty Presentations

October 2019–March 2020


October 2019–March 2020

Poster


Disclaimer: We strive to include all of the faculty presentations and peer-reviewed publications BUT we can’t if we don’t know. Please remember to send us the complete citation when your publication is accepted or after you have given your presentation.