



RESEARCH

– DEIDRE WIPKE-TEVIS

Shout Outs

Robert Bautista was highlighted in Show Me Mizzou as a new faculty.

Jennifer Hulett and **Sue Scott's** article titled "Massage therapy for hospital-based nurses: A proof-of-concept study. Complementary Therapies in Clinical Practice" was highlighted in ANA Smart Brief.

Lisa M. Lewis, PhD'02, RN, FAAN, FAHA, FADLN has been recently appointed as the new Dean of the University of Virgin Islands School of Nursing on St. Croix island. Previously, she was Senior Associate Dean of Diversity, Equity, and Inclusion at Rutgers School of Nursing-Camden and Associate Dean for Equity and Inclusion at University of Pennsylvania School of Nursing. Dr. Lewis' research explores sociocultural influences on treatment adherence and interventions for hypertensive Black populations. Dr. Lewis' dedication to developing culturally competent nurses has earned her numerous accolades, including the Christian R. and Mary F. Lindback Award for Distinguished Teaching at the University of Pennsylvania and New York University's Estelle Osborne Recognition Alumni Award for her commitment to diversity and social justice.

Brittany Marks, Ben Mock, and Arthur Zacharjasz, MU SSON PhD students, have been selected as an American Association of Colleges of Nursing(AACN)/Graduate Nursing Student Academy (GNSA) Advocacy Leaders for the 2024-2025 year. Brittany is representing the University of Missouri and the State of Tennessee. Ben is representing the University of Missouri and the State of Missouri. Arthur is representing the University of Missouri and the State of Iowa. The GNSA Advocacy Leaders maximize AACN's advocacy efforts on behalf of graduate nursing students. Consisting of 2 representatives from each state including the District of Columbia and Puerto Rico, these nursing leaders participate in quarterly conference calls to develop their advocacy skills and become informed on the latest health policy discussions. The GNSA Advocacy Leaders create a greater impact in amplifying AACN's policy and advocacy messaging and provide feedback to AACN staff on policy issues that are of importance to graduate nursing students.

Jennifer O'Connor has been awarded the Great 100 Nurses of Oklahoma 2024

Grants & Contracts Awarded or Submitted Mid-September/Mid-October

Awarded

- * **Elizabeth Anderson (PI), Jane Armer (Co-I), An-Lin Cheng (Co-I), Michelle Holmes (Consultant)** – "Nurses Surviving Breast Cancer: An Exploration of Breast Cancer Diagnosis, Reported Lymphedema Symptoms, and Lifestyle Status in the Nurses' Health Survey" – NIH/National Cancer Institute R03 - \$156,500
- * **Drew Herbert (PI, PhD student; Blaine Reeder, Advisor)** – "Development and Testing of a Fine-Tuned Large Language Model Conversational Agent for Inclusion in a Prototype for Accessing Opioid Use Disorder Treatment During Pregnancy" – Toni & Jim Sullivan Endowed PhD Student Research Grant – \$968

- * **Alisha Johnson** (Site PI), **Morgan Shahan** (Co-I), **Sue Fowler** (Co-I), **Amber Vroman** (Co-I) - (Subcontract, St. Louis University Geriatric Education Center, Marla Berg-Weger, PI), Health Resources & Services Administration/ Geriatrics Workforce Enhancement Program - \$50,000
- * **Knoo Lee** (MPI), Jennifer-Anne Chipps (MPI), **Sherri Ulbrich** (Co-I), **Kari Lane** (Co-I), Timothy Koboldt (Co-I) – “Expanding Horizons: Collaborative Enhancement of Open-Access VR Simulations to Empower Nursing Competency Across Regional and Cultural Boundaries” – University of Missouri South African Education Program – \$7,900
- * **Anne Sales** (MPI), Vahakn Shahinian (MPI), Brent K. Hollenbeck (MPI) – “Planning to Implement High-Quality Active Surveillance in New-Onset Favorable Risk Prostate Cancer.” – NIH/National Cancer Institute R34 – \$327,496
- * **Amy Vogelsmeier** (Site PI) – “Implementing Decision Support for Long Term Care” – (Sub-contract University of Colorado, Anschutz Medical Campus, Mustafa Ozkaynak, PI) – Agency for Healthcare Research & Quality (AHRQ) R18 - \$60,705

Submitted

- * **Robert Bautista** (PI), M. Luisi & C. Tung (Co-Is) – Vaccine providers’ use and perceptions of generative artificial intelligence in creating vaccine promotion materials: A workshop-based study – Washington University ICTS Clinical & Translational Research Funding Program grant
- * Becevic, M (PI) & Co-Is J. McElroy, N. Chen, G. Hildebrandt, & **Allison Anbari** – Building capacity in primary care for cancer survivorship: The role of Fu-VIT in care continuity – American Cancer Society/
- * **Clayton Clark** (PI) – Missouri Cardiovascular Health And Mortality Prevention Project: MO CHAMPP – Allen P and Josephine B Green Foundation
- * **Maithe Enriquez** (PI) & community partners – Development of a community-partnered research agenda with Hispanic communities in Missouri – Washington University ICTS Clinical & Translational Research Funding Program grant
- * **Maithe Enriquez** (PI) & Camila Manrique (Co-I) – Building Capacity in Missouri Hispanic Communities for a Patient Centered Diabetes Research Agenda – Patient Centered Outcomes Research Institute / Competitive Letter of Intent
- * Francisco, B (PI), Kapoor, R. (Co-I), & **Tammy Rood** (Co-I) – Asthma Outcomes - Health Care Collaboration FY25 Amendment #4 – Missouri Department of Health & Senior Services/Dept of Health & Human Services
- * **Jennifer Hulett** (PI) & **Sue Scott** (Co-I) – Using Technology to Explore Relationships between Nurses' Workload, Burnout, and Well-being: A Feasibility Study – MU Research Council
- * **Knoo Lee** (PI) & Fang Wang (Co-I) – NOVA: Nursing-Oriented Virtual Reality Simulation for Equitable Access – Mizzou TechHub/ Competitive Letter of Intent
- * **Marilyn Rantz** (PI) – Focused Improvement in NH Care Quality, Leadership, & Staff (FIN-QLS) – Comagine Health/CMS Contract
- * **Anne Sales** (Site PI) – Identifying and overcoming barriers to Veteran participation in prostate cancer clinical trials (Subcontract University of Michigan, K. Stensland, PI) – Department of Defense
- * **Anne Sales** (PI) & S. Lee, R. Barohn, C. Spinka, R. Koopman, K. Kimminau, J. McClay, K. Kelly, R. Castoro – Implementing Best Evidence for Sustainable Treatment in Peripheral Neuropathy (ImBEST-

Neuropathy) – Patient Centered Outcomes Research Institute Cycle 2 2024 / Broad Pragmatic Studies

- * **Edie Sperling** (PI, PhD student; Sarah Thompson/Jennifer Hulett Co-Advisors) – An exploration of somatic symptoms in health profession students – MU Graduate Professional Council
- * **Karry Weston** (PI, Postdoctoral fellow) - Advanced Practice Nurses' ECHO Involvement – Alpha Iota chapter of Sigma Theta Tau International/Research Grant
- * **Ashley Woods** (PI, PhD student; Amy Vogelsmeier – Advisor) - Exploring Pain Assessment and Management Experiences in Recently Hospitalized Minoritized Older Adults: A Qualitative Study – Alpha Iota chapter of Sigma Theta Tau International/Research Grant

Faculty Publications Recently Accepted or NOW in Print

- * **Bautista, J.R.** (in press; available online 2024) Pedagogical principles in implementing a data visualization project in an undergraduate public health informatics course. *Applied Clinical Informatics*. 10.1055/a-2385-1544
- * **Enriquez, M.** (2024). Sexual and Reproductive Health and Hispanic People [Editorial Material]. *Hispanic Health Care International*, 22(3), 130-130. <https://doi.org/10.1177/15404153241261341>
- * Glass, N., **Bloom, T.**, Alexander, K. A., **Emezue, C.**, Olawole, W., Clough, A., Turner, R., & Perrin, N. (2024). Effectiveness of the myPlan Teen App, a Digital Healthy Relationship and Safety Planning Intervention With Adolescent Aged 15–17 Years. *Journal of Adolescent Health*, 75(4), 665-672. <https://doi.org/10.1016/j.jadohealth.2024.06.014>
- * **Hulett, JM**; Cheng, AL; Bormann, JE; **Anbari, AB**; **Armer, JM**; **Hartman, BM**; Bettencourt, BA; **Sherwin, LB**; **Sperling, EL**; **Narkthong, N**; Reiner C; Rindt, H; Schreiber, K; Peterson, LL; & Albright, EL. (2024). An internet Mantram Repetition Program to promote well-being in breast cancer survivors: A feasibility randomized controlled trial. *Integrative Cancer Therapies*. Advance online publication. <https://doi.org/10.1177/15347354241290504>
- * **Powell, KR**, Isnainy, M, Amewudah, P, **Paez-Perez, D**, Lee, S, Mehr, DR, **Alexander, GL**, Popescu, M. (2024). Untangling the complex web of avoidable nursing home-to-hospital transfers of residents with dementia. *Alzheimer's & Dementia*.
- * **Sun, Y., Oyewusi, C., & Armer, J.M.** (2024 in press). Assessment questionnaires for self-reported symptoms of lymphoedema among cancer survivors: A systematic review. *Journal of Lymphoedema*.
- * Tefera, G. M., Yu, M., Robinson, E. L., Winter, V. R., & **Bloom, T.** (2024). Transition, adjustment, and healthcare avoidance: African immigrant women's experiences and perceptions of navigating primary healthcare in the USA. *Healthcare (Switzerland)*, 12(15 C7 - 1504). <https://doi.org/10.3390/healthcare12151504>

Upcoming/Recent Faculty Research Presentations

- * Abdalnabi, N., Rao, P., & **Lee, K.** (2024). Activities of daily living recognition for aging adults using deep learning (Poster). Body Sensor Network (BSN) IEEE 2024 Conference, October 15-17, Chicago, IL, United States.
- * **Bautista, J.R.** (2024). Generative Artificial Intelligence Tools in Nursing Education and Practice. The University of Texas at Austin, Austin, Texas, September 18, 2024.

- * Barnard, P., Portillo, V., Piskopani, A-M., Maior, H., **Bautista, J.R.**, Vallejos, E.P. (2024). A Hands-on Workshop for Responsible Research and Innovation. In Second International Symposium on Trustworthy Autonomous Systems 2024 (TAS '24). Austin, TX. [Workshop]
- * **Bautista, J.R.** (2024, October). Achieving AI for Good. Missouri Data Science and Informatics Symposium. Columbia, MO.
- * **Bautista, J.R.** (2024, September). MACAIF: Machine Learning Auditing For Clinical AI Fairness. Trustworthy AI for Enhancing Decision-Making in Healthcare Workshop. Second International Symposium on Trustworthy Autonomous Systems 2024 (TAS '24), Austin, TX.
- * **Bautista, J.R.** (2024, August). Insights on the Use of Generative AI in Nursing Practice and Education. 15th Evidence-Based Practice on the Frontline: Navigating the Interaction Between EBP, QI and Nursing Research. MU Continuing Education for Health Professions. Columbia, MO.
- * **Chiocca, E.** (2024). Corporal Punishment in Homes and Schools: Working Toward Ending Violence Against Children. Expert Research Panelist, International Association of Forensic Nurses International Conference on Forensic Nursing Science and Practice, Denver, Colorado, Aug 27 – 29, 2024.
- * Dao, T-Q., Farahi, A., Schneiders, E., Williams, J., **Bautista, J.R.**, Chandra, R., Dowthwaite, L., Piskopano, A-M., Seebrooke, T., Vigneswaran, G. (2024 September). TAME Pain: Trustworthy AssessMENT of Pain from Speech and Audio for the Empowerment of Patients. Second International Symposium on Trustworthy Autonomous Systems 2024 (TAS '24). Austin, TX. [Poster]
- * **Johnson, A.H.**, Chung, C.C., Wung, S.F., & Skubic, M., (2024). Using Contactless Sensors to Remotely Monitor Falling: Year 2 updates. Center to Stream Healthcare in Place Annual Scientific Meeting. Presentation. Sept. 16. Grand Forks, ND.

PhD Program Research Report

PhD Student Progress

Amy Trueblood passed her Proposal Defense – October 18, 2024

Kim Jackson defended her Dissertation Defense – September 27, 2024

Arthur Zacharjasz passed his Comprehensive Exam – August 22, 2024

PhD Student/PhD alumna/Faculty Publications Recently Accepted

- * **Emezue CN, & Traylor DO.** Navigating Challenges and Opportunities for Multidisciplinary Faculty in Nursing Academia. *Western Journal of Nursing Research*. 2024;46(5):331-332.
doi:[10.1177/01939459241245041](https://doi.org/10.1177/01939459241245041)
- * **Farmer, M., & Powell, K. R.** (2024). Feasibility of Fall-Risk Detection in Older Adults: Real-World Use of Sensor Data With Machine Learning. *Journal of Gerontological Nursing*, 50(10), 7-10.
- * **Traylor, D. O., Enriquez, M.,** Thompson-Robinson, M., Yu, M., **Bloom, T., & Bullock, L.** (2024). Barriers and Facilitators That Influence HIV Pre-exposure Prophylaxis (PrEP)-Prescribing Behaviors Among Primary Care Providers in the Southern United States. *Cureus Journal of Medical Science*, 16(8), 25, Article e66868. <https://doi.org/10.7759/cureus.66868>
- * Rowland, S. Bach, C., Simon, K., Westmark, D., & **Sperling, E.** (2024). Systematic review and meta-analysis of the impact of digital health interventions on cardiorespiratory fitness. *Digital Health*, 10, 1-14. <https://doi.org/10.1177/20552076241282381>
- * **Young, L. Johnson, AH, Reeder, B., Vogelsmeier, A.** (in press). A picture worth a thousand words: Insights from hospital nurse managers on dashboards to improve care at the bedside. *Nursing Management*.

- * **Young, L., Reeder, B., Johnson, A., Vogelsmeier, A.** (in press). From an informatics lens: Dashboards for hospital nurse managers influencing unit patient outcomes. *Computer Informatics Nursing*.

PhD Alumna Placement

Lisa Young (PhD'23) has accepted a position as a Nurse Scientist at Rush University System for Health, Chicago, IL.