



RESEARCH – DEIDRE WIPKE-TEVIS

January – February 2025 Research & Scholarly Endeavor Updates

Shout Outs

John Robert Bautista was interviewed for the Columbia Missourian regarding ROARY “MU launches AI chatbot for undergraduate students” https://www.columbiamissourian.com/news/higher_education/mu-launches-ai-chatbot-for-undergraduate-students/article_75f607e0-e016-11ef-93f6-cf1078f8e703.html

John Robert Bautista has been notified that he has been selected to receive the Early Career Research Award from the Health Systems, Policy, & Informatics RIIG of the Midwest Nursing Research Society (MNRS). He will receive his award at the 2025 MNRS Annual Research Conference to be held March 26th – March 29th, 2025, in Indianapolis, Indiana.

Daphne Chakurian PhD’24 has been notified that she has been selected to receive the Dissertation Award from the Gerontological Nursing Science RIIG of the Midwest Nursing Research Society. She will receive her award at the 2025 MNRS Annual Research Conference to be held March 26th – March 29th, 2025, in Indianapolis, Indiana.

Chelsea Howland PhD’22 and **Lynn Glenn PhD’19** have been selected for the American Diabetes Association Membership Advisory Group. The Membership Advisory Group provides expert guidance on the American Diabetes Association’s (ADA’s) Professional Membership Initiative. This group oversees the development and enhancement of ADA’s Professional Membership benefits and strategies. The ADA’s Membership Advisory Group meets regularly to develop strategies for enhancing the professional membership experience, including Interest Group engagement, professional awards, and networking opportunities.

Kim Jackson PhD’24 has been notified that she has been selected to receive Dissertation Award from the Health of Diverse Populations RIIG of the Midwest Nursing Research Society. She will receive her award at the 2025 MNRS Annual Research Conference to be held March 26th – March 29th, 2025, in Indianapolis, Indiana.

Alisha Johnson has been notified that she has been selected to receive the Early Career Research Award from the Gerontological Nursing Science RIIG of the Midwest Nursing Research Society. She will receive her award at the 2025 MNRS Annual Research Conference to be held March 26th – March 29th, 2025, in Indianapolis, Indiana.

Kimberly Powell and **Ashley Woods** (PhD student) were highlighted in ShowMe News spotlight regarding their recent publication about reducing avoidable hospitalizations for nursing home residents with dementia. <https://showme.missouri.edu/2025/mizzou-researchers-aim-to-reduce-avoidable-hospitalizations-for-nursing-home-residents-with-dementia/>

Christa Torrisi PhD’24 has been notified that she has been selected to receive Dissertation Award from the Qualitative Methods RIIG of the Midwest Nursing Research Society. She will receive her award at the 2025 MNRS Annual Research Conference to be held March 26th – March 29th, 2025, in Indianapolis, Indiana.

Grants and Contracts awarded or submitted during March

Submitted

M. Gottlieb (PI), A. Sheng, S. Trueger, L. Westafer, M. Gisondi, & **J.R. Bautista** (Co-Is). "Health Misinformation and Emergency Care: Establishing A Research Agenda – AHRQ / R13 Research Development Conference

M. Brown & J. McElroy (MPIs), N. Chen, **Allison Anbari** (Co-Is) - "Barriers to Care Encountered by Sexual Minority Breast Cancer Survivors (B-CESS)," Subk Syracuse University - NIH R01

Maithe Enriquez (PI) & C. Manrique-Acevedo, A-L Cheng & Community Partners – "Building Capacity in Missouri Hispanic Communities for a Patient Centered Diabetes Research Agenda," Patient Centered Outcomes Research Institute (PCORI)

Maithe Enriquez (PI) & C. Manrique-Acevedo, A-L Cheng & Community Partners – "Disfrutando: A Family-oriented, Holistic Intervention to Address Type 2 Diabetes Mellitus in Under-resourced Hispanic Communities," Hillman Emergent Innovation (HEI) – 2025, Letter of Intent

Maithe Enriquez (PI) & C. Manrique-Acevedo, A-L Cheng & Community Partners– "Effectiveness of and Implementation Strategies for "Disfrutando": A Culturally Tailored, bundled Intervention to Address Type 2 Diabetes Mellitus Health Inequities in Under-resourced Hispanic Communities" – Center for Diabetes Translation Research, Washington University at St. Louis, Pilot Study

Robin Harris (PI) – "Nurse Faculty Loan Program" – Health Resources and Services Administration/HRSA-25-070

Alisha Johnson (PI) – "The Impact of Nurse Practitioner Care Delivery Models on Outcomes for Older Adult Veterans with Alzheimer's Disease and Related Dementia" – NIH/NIA K08

Knoo Lee (PI), S. Lee, M. Popescu, **Kimberly Powell** (Co-I) , R. Proffitt, C. Abbott - HIP Health: Home Integrated Personalization and Actionable Health Messaging for Recovery After Hip – NIH/NLM R01 Fracture

Blaine Reeder (PI), Alisha Johnson, & Amy Vogelsmeier - Air Risk: Digital Health Sensor System for Estimating Indoor Respiratory Infection Risk- MU Research Council

Blaine Reeder (PI), Alisha Johnson, & Amy Vogelsmeier - "Understanding factors for sustainable implementation of a nursing-focused mobile application to reduce hospitalizations in long-term care," Hillman Emergent Innovation (HEI) – 2025, Letter of Intent

Nuha Wareg (J. Armer, Mentor) – "The Perspective of American Muslim Breast Cancer Survivors: A Study to Explore Experiences, Needs, and Expectations" - MU Sinclair School of Nursing/Toni & Jim Sullivan Endowed Research Fund for PhD Students

Ashley Woods (A. Vogelsmeier, Mentor) – "Exploring Pain Assessment and Management Experiences in Recently Hospitalized Minoritized Older Adults: A Qualitative Study – MU Sinclair School of Nursing/Toni & Jim Sullivan Endowed Research Fund for PhD Students

Faculty/Postdoctoral Fellows/Alumni Publications Recently Accepted or NOW in Print

Bautista, J.R., & Sheng, A. (accepted; 2025). Call for Healthcare Providers to Promote Media and Information Literacy to Address Health Misinformation. *JAMA Network Open*.

Becker REN, Daignault-Newton S, Shoemaker E, Sitek D, Thelus JM, Clark S, Martin-Schwarze A, Spino C, Carlozzi NE, Meurer WJ, **Sales AE**, Dauw CA, Ghani KR. [Stent Omission after Ureteroscopy and Lithotripsy \(SOUL\) in the Michigan Urological Surgery Improvement Collaborative \(MUSIC\): study protocol for a pragmatic prospective combined randomized and observational clinical trial.](#) *Trials*. 2024 Dec 4;25(1):811. doi: 10.1186/s13063-024-08587-8.

Dao, T-Q., Schneiders, E., Williams, J., **Bautista, J.R.**, Seabrooke, T., Vigneswaran, G., Kolpekwar, R., Vashistha, R., Farahi, A. (2025). TAME Pain: Trustworthy AssessMENT of Pain from Speech and Audio for the Empowerment of Patients (version 1.0.0). *PhysioNet*. <https://doi.org/10.13026/20e2-1g10>

Johnson, A.H., Zaniletti, I., **Miller, J.**, **Popejoy, L.L.**, and **Rantz, M.R.** (In Press, 2025). Solution to improve state health outcomes and access to care for Medicare beneficiaries: Full practice of APRNs. *Journal of the American Medical Director's Association*.

Johnson, A.H., **Lee, K.**, **Reeder, B.**, **Popejoy, L.L.**, and **Vogelsmeier, A.** (2025). Feasibility and acceptability of smartwatches for se by nursing home residents. *Computer, Informatics, Nursing: CIN*, 10.1097/CIN.0000000000001245. Advance online publication. <https://doi.org/10.1097/CIN.0000000000001245>

Massey, Z. B., **Anbari, A. B.**, Wang, N., Adediran, A., Lawrie, L. L., Martinez, P., & McCarthy, D. (2025). Developing and testing health warnings about alcohol and risk for breast cancer: Results from a national experiment with young adult women in the United States. *Alcohol: Clinical and Experimental Research*. <https://doi.org/10.1111/acer.70003>

McKinsey, D. S., McKinsey, J. P., McKinsey, J. R., & **Enriquez, M.** (2025). Optimizing Missouri's Preparation for the Next Pandemic: Lessons Learned from COVID-19: Part 2. *Missouri Medicine*, 122(1), 12-18.

Rentes, V. C., Kalpakjian, C., **Sales, A.**, & Krumm, A. (2025). Operationalizing a learning health system: A self-assessment tool for interprofessional teams. *Learning Health Systems*, e10482. <https://doi.org/10.1002/lrh2.10482>

Upcoming/Recent Faculty/Postdoctoral Fellow Research Presentations

Barnard, P., **Bautista, J.R.**, Dakhama, A., Farahi, A., Laos, K., Liu, A., Menendez, H. (2025, January). Responsible MLOps Design Methodology for an Auditing System for AI-based Clinical Decision Support Systems. In Proceedings of the 36th International Conference on Testing Software and Systems (ICTSS 2024). London, UK

Bautista, J.R. (2025, February). Expanding AI Literacy: Building Knowledge, Skills, and Ethics in Education. University of Florida AI² Summit Panel. Orlando, FL.

Bautista, J.R. (2025 February). Use of AI Tools for Teaching and Learning. SEC Nursing Professional Development Consortium. Columbia, SC.

Bautista, J.R. (2025, January). Use and Perceptions of AI Tools For Teaching And Learning at the Sinclair School of Nursing. MU AI Symposium. Columbia, MO.

Bautista, J.R. (2024, November). The Role of AI in Healthcare Research. SIGMA Alpha Alpha Phi Chapter. Manila, Philippines.

Chiocca, E., Horner, G. Corporal Punishment of Children in Homes and Schools: An Action Plan. APSAC Advisor webinar, Virtual. February 18, 2025

Johnson, A.H., Thompson, V., Vogelsmeier, A.A. (2024, Nov 13-16). Describing advanced practice registered nurses' influence on improved nursing home outcomes. Gerontological Society of America 2024 Annual Scientific Meeting, Paper presentation, Seattle WA.

Menendez, H., Bello-Organ, G., Barnard, P., **Bautista, J.R.**, Farahi, A., Dash, S., Han, D.G., Fortz, S. & Rodriguez-Fernandez, V. (2025). Testing Software and Systems: 36th IFIP WG 6.1 International Conference, ICTSS 2024, October 30–November 1, 2024. Editors of Conference Proceedings. London, UK.

Mueller, C., **Johnson, A.H.**, Fay, V. (2024, Dec 5-7). Gerontological nursing competencies for entry-level professional nursing education programs. Transform 2024, American Association of Colleges of Nursing, Poster, New Orleans, LA.

PhD Program Research Report

PhD Student Progress

Arthur Zacharjasz passed his Proposal Defense on February 14, 2025

PhD Student/PhD alumni/Postdoctoral fellow alumni/Faculty Publications Recently Accepted

Dollion, N., **Babka, J.R.**, Pollock, K.E., Stille, J.A., Grandgeorge, M., **Carlisle, G.** (2025). Psychosocial well-being in families of autistic children and effect of service dogs: An exploratory study. *Pets*, 2 (1), 5.

<https://doi.org/10.3390/pets2010005>

Doss, E. R., Popejoy, L. L., Vogelsmeier, A. A., Lane, K. R., & Canada, K. E. (2025). Family impacts of diabetic extremity wound caregiving: A qualitative multiple case study report. *Journal of Family Nursing*, 1-16.

<https://doi.org/10.1177/10748407251314569>

Herbert, D., Westendorf, J., **Farmer, M., & Reeder, B.** (in press, 2025). Generative AI-derived information about opioid use disorder treatment during pregnancy: An exploratory evaluation of GPT-4's steerability for provision of trustworthy person-centered information. *Journal of Studies on Alcohol and Drugs*, jsad-24.

<https://doi.org/10.15288/jsad.24-00319>

Jackson, K.Y.M. (in press, 2025). Tell me something I don't know: An activity for implicit bias awareness. *Teaching and Learning in Nursing*. <https://doi.org/10.1016/j.teln.2024.12.019>

Sperling, E.L., Mendel, D., & **Hulett, J.M.** (In Press, 2025). Resilience in the future of medical education. In Stawicki, S.P. (Ed.), *Academic medicine – New trends and developments for the 2030s* (pp TBD). IntechOpen. ISBN 978-0-85466-017-9.

Sperling, E.L., Khoury, B., Sutton, A., Price-Blackshear, M.A., & Bettencourt, B.A. (2025). Enhancing rigor in quantitative mindfulness meta-analyses: A comprehensive guide. *Mindfulness* [online].

<https://doi.org/10.1007/s12671-025-02517-8>

Walker, D. O. H., Stewart, O. J., **Herbert, D.,** & Rabelo, V. C. (in press, 2025). The mental health advantages of privilege: How whiteness and parents' education protect students from food insecurity and psychological strain. *Journal of Diversity in Higher Education*

Young, L., Johnson, A. H., Reeder, B. P., & Vogelsmeier, A. (2025). A picture worth a thousand words: Insights from hospital nurse managers on dashboards to improve care at the bedside. *Nursing Management*, 56(2), 43-49.

Upcoming/Recent Student/Postdoc/Alumni/Faculty Research Presentations

Undergraduate Students

Westendorf, R. & Bautista, J.R. (2025, January). Nursing stakeholders' intention to use generative artificial intelligence tools and perceptions of information quality. MU AI Symposium. Columbia, MO. [Poster]

Westendorf, R. & Bautista, J.R. (2024, November). Nursing stakeholders' intention to use generative artificial intelligence tools and perceptions of information quality. MU Health Sciences Research Day. Columbia, MO. [Poster]