2023 COLLEGE OF ALLIED HEALTH RESEARCH DAY

KEYNOTE

Rachel Lane, Ph.D., R.D.

14 April 2023
12 P.M. - 4 P.M.

JOIN US FOR AN IMPACTFUL DAY CELEBRATING RESEARCH
Rachel Lane, Ph.D., R.D., is an alumna of the Department of Nutritional Sciences. Lane earned her Ph.D. in biochemistry and molecular biology from the University of Oklahoma Health Sciences Center after working as a registered dietitian in a long-term acute-care hospital. She founded The Written Science, LLC, to translate the business significance of science to strategic stakeholders and investors and most recently served as CEO of BIO Alabama, the state trade association for the biotech industry, before returning to Oklahoma. Rachel is currently the Executive Director of Canopy Healthtech and serves as a senior staff member of the University of Oklahoma Price College of Business Tom Love Innovation Hub.

April 14, 2023

12-1 P.M.

1200 North Stonewall Ave.
Oklahoma City, OK 73117
Room 1117

Rachel Lane, Ph.D., R.D.
11:45-12 PM  
Registration

12:00-1 PM

**OKC**: 1117*, 1046, 1047, 2049, 2058, 2065  
**Tulsa**: 220, 222, 231

**Welcome Address**, Susan Sisson, PhD, RDN, CHES, FACSM, Associate Dean for Research

**Keynote Address**, Rachel Lane, PhD, RD

“What got you here, won’t take you there: The role of research in professional development and satisfaction”

1-1:10 PM

1:10-2 PM

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| **OKC**: AHB 1117  
**Tulsa**: LC Perkins Auditorium*  
**Payton Sage**. The removal of microorganisms with disinfectant wipes to prevent nosocomial infections. | **OKC**: AHB 1046  
**Tulsa**: LC220  
**Abdulgader Khormi**. Feasibility and early validation of laser technology to quantify foot-arch for cancer survivors with imbalance. | **OKC**: AHB 1047  
**Tulsa**: LC231*  
**Michelle Nguyen**. The role of mitochondrial DNA on aging skeletal muscle metabolism and metabolic syndrome. |
| **Sydni Eagleton**. Dietary and physical activity behaviors of patients and caregivers in a pediatric weight management clinic. | **Roshini Sathiaseelan**. Unraveling the role of neuron-specific ERα in 17α-estradiol-mediated benefits on systemic metabolism in male mice. | **Ashton Boda**. Differences in thyroid uptake percentage based on counting statistics. |
| **Carolyn Cheema**. Identifying prognostic risk factors for chronic low back pain physical therapy outcomes using machine learning. | **Kelsi Doss**. Distractions in Nuclear Medicine leading to unethical patient care. | **Jenna Albarran**. Occupational therapists' facilitation of belonging in school-based practice: An exploratory study |
| **Heather De** Improving management of multimorbidities using occupational therapy and behavioral activation: Study and sample characteristics. | **Becca Puls**. Adapting emergency action plans to special populations: A Literature review. | **Lydia Amend, Marissa Goode, Preston Snell**. Rapid systematic review of primitive reflex integration for school-aged children. |

2-2:10pm  
Break
2:10-3pm

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| OKC: AHB 1117  
*Tulsa: LC Perkins Auditorium*  
Emily Chaffin. Assessing accessibility to myocardial perfusion testing for American Indian and Alaskan Native populations in Oklahoma. | OKC: AHB 1046  
Tulsa: LC220  
Josh Williams. Factors related to engagement in self-directed learning: A Literature review | OKC: AHB 1047  
Tulsa: LC231  
Danielle Amos. The prevalence of work-related musculoskeletal disorders and understanding the relationship to work-related burnout. |
| OKC: AHB 1117  
*Tulsa: LC Perkins Auditorium*  
Victoria Munn. Color preferences and its place in healthcare. | OKC: AHB 1046  
Tulsa: LC220  
Izzy Pike. Attentional bias to threat in adults who do and do not stutter. | OKC: AHB 1047  
Tulsa: LC231  
Desirae Feierabend. High frequency training accelerates gait progress for a young adult 1.5 years after Cerebellar Medulloblastoma: A Case report. |
| OKC: AHB 1117  
*Tulsa: LC Perkins Auditorium*  
Rebecca Varkey. Obesity management among Oklahoma pediatricians – A needs assessment survey. | OKC: AHB 1046  
Tulsa: LC220  
Josiah Rippeto. Associations between cognition and gait speed during chemotherapy in women’s cancers. | OKC: AHB 1047  
Tulsa: LC231  
Zoe Vandyck. Spect quality control standards with emphasis on standard best practices: A Literature review |
| OKC: AHB 1117  
*Tulsa: LC Perkins Auditorium*  
*Carolyn Cheema. High-definition transcranial direct current brain stimulation as a targeted intervention after stroke. | OKC: AHB 1046  
Tulsa: LC220  
Colton Chappell. Image quality and speed differences in continuous whole body and step and shoot protocols. | OKC: AHB 1047  
Tulsa: LC231  

3-3:10pm

Break

3:10-3:50pm

**OKC:** 1117*, 1046, 1047, 2049  
**Tulsa:** LC Perkins Auditorium*, 231

Brittany Burkhart. Virtual reality: Does virtual reality have an effect on pediatric patients when acquiring vascular access?  
Jenna Albarran & Ashlee Tasetano. The effect of wearable technology on executive functioning for school-aged children: A Rapid review  
Divya Patel. Accuracy of parent-measured weight and height of their young children with varying levels of support.

3:50-4pm

Awards/Closing Remarks, Dean Jane Wilson, PhD