

# 2023 COLLEGE OF ALLIED HEALTH RESEARCH DAY

KEYNOTE

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



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

**JOIN US FOR AN IMPACTFUL  
DAY CELEBRATING RESEARCH**



**COLLEGE OF ALLIED HEALTH**  
*The UNIVERSITY of OKLAHOMA HEALTH SCIENCES CENTER*





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

# RESEARCH DAY

## WHAT GOT YOU HERE, WON'T TAKE YOU THERE: THE ROLE OF RESEARCH IN PROFESSIONAL DEVELOPMENT AND SATISFACTION

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



**COLLEGE OF ALLIED HEALTH**  
*The UNIVERSITY of OKLAHOMA HEALTH SCIENCES CENTER*

# 13TH COLLEGE OF ALLIED HEALTH ANNUAL RESEARCH DAY – APRIL 14, 2023

**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**

**Break**

**1:10-2 PM**

Track 1	Track 2	Track 3
OKC: AHB 1117 Tulsa: LC Perkins Auditorium*	OKC: AHB 1046 Tulsa: LC220	OKC: AHB 1047 Tulsa: LC231*
<b>Payton Sage.</b> The removal of microorganisms with disinfectant wipes to prevent nosocomial infections.	<b>Abdulqader Khormi.</b> Feasibility and early validation of laser technology to quantify foot-arch for cancer survivors with imbalance.	<b>Michelle Nguyen.</b> The role of mitochondrial DNA on aging skeletal muscle metabolism and metabolic syndrome.
<b>Sydni Eagleton.</b> Dietary and physical activity behaviors of patients and caregivers in a pediatric weight management clinic.	<b>Roshini Sathiaseelan.</b> Unraveling the role of neuron-specific ERα in 17α-estradiol-mediated benefits on systemic metabolism in male mice.	<b>Ashton Boda.</b> Differences in thyroid uptake percentage based on counting statistics.
* <b>Carolyn Cheema.</b> Identifying prognostic risk factors for chronic low back pain physical therapy outcomes using machine learning.	<b>Kelsi Doss.</b> Distractions in Nuclear Medicine leading to unethical patient care.	<b>Jenna Albarran.</b> Occupational therapists' facilitation of belonging in school-based practice: An exploratory study
* <b>Heather De</b> Improving management of multimorbidities using occupational therapy and behavioral activation: Study and sample characteristics.	<b>Becca Puls.</b> Adapting emergency action plans to special populations: A Literature review.	* <b>Lydia Amend, Marissa Goode, Preston Snell.</b> Rapid systematic review of primitive reflex integration for school-aged children.

**2-2:10pm**

**Break**

# 13TH COLLEGE OF ALLIED HEALTH ANNUAL RESEARCH DAY – APRIL 14, 2023

## 2:10-3pm

Track 1	Track 2	Track 3
<i>OKC: AHB 1117 Tulsa: LC Perkins Auditorium*</i>	<i>OKC: AHB 1046 Tulsa: LC220</i>	<i>OKC: AHB 1047 Tulsa: LC231</i>
<b>Emily Chaffin.</b> Assessing accessibility to myocardial perfusion testing for American Indian and Alaskan Native populations in Oklahoma.	<b>Josh Williams.</b> Factors related to engagement in self-directed learning: A Literature review	<b>Danielle Amos.</b> The prevalence of work-related musculoskeletal disorders and understanding the relationship to work-related burnout.
<b>Victoria Munn.</b> Color preferences and its place in healthcare.	<b>Izzy Pike.</b> Attentional bias to threat in adults who do and do not stutter.	<b>Desirae Feierabend.</b> High frequency training accelerates gait progress for a young adult 1.5 years after Cerebellar Medulloblastoma: A Case report.
<b>Rebecca Varkey.</b> Obesity management among Oklahoma pediatricians – A needs assessment survey.	<b>Josiah Rippetoe.</b> Associations between cognition and gait speed during chemotherapy in women’s cancers.	<b>Zoe Vandyck.</b> Spect quality control standards with emphasis on standard best practices: A Literature review
<b>*Carolyn Cheema.</b> High-definition transcranial direct current brain stimulation as a targeted intervention after stroke.	<b>Colton Chappell.</b> Image quality and speed differences in continuous whole body and step and shoot protocols.	<b>Sydney Dye.</b> Home health physical therapy: Lymphedema treatment complicated by medication.

## 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?

**Megan Spears.** Happy teacher project: A pilot study of early childhood teachers’ physical and psychological wellbeing.

**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**