

RESEARCH OPPORTUNITIES

If you are a medical student interested being involved in these projects or have questions about research, or if you are a faculty member with research opportunities for medical students, please contact the Office of Medical Student research at MedStudentResearch@OKState.edu

Anatomy and Cell Biology	
Holly Ballard, Ph.D. holly.ballard@okstate.edu	Osteohistology to assess growth dynamics, individual variability, and survivorship in dinosaurs and other extinct vertebrates
Daniel E. Barta, Ph.D. daniel.barta@okstate.edu	Growth, variation, reproduction, comparative anatomy, and evolution of dinosaurs (including birds)
Ian Browne, Ph.D. ian.browne@okstate.edu	Photogrammetric techniques to create 3D digital models of anatomical and vertebrate microfossils
Paul M. Gignac, Ph.D. paul.gignac@okstate.edu	Musculoskeletal and dental biomechanics for the study of the functional evolution of feeding in crocodylians/dinosaurs
Kent S. Smith, Ph.D. kent.smith@okstate.edu	Evolution, systematics, biogeography, and functional and comparative anatomy of fossil and recent mammals
Eric Snively, Ph.D. eric.snively@okstate.edu	Musculoskeletal function, dynamics, and structural mechanics of behavior on dinosaurs and mammals
Anne Weil, Ph.D. anne.weil@okstate.edu	Evolution of mammalian lineages and faunas
Haley D. O'Brien, Ph.D. haley.obrien@okstate.edu	Evolution and functional morphology of thermoregulatory cranial vasculature and neurophysiological structures
Kenneth E. Miller, Ph.D. kenneth.miller@okstate.edu	The role of glutamate metabolism during chronic pain and spinal injury
Dolores Vazquez Sanroman, Ph.D. dolores.vazquez_sanroman@okstate.edu	Neurobiological fingerprints underlying drug use in adolescents and exercise as an approach for modifying drug preference
Nedra F. Wilson, Ph.D. nedra.wilson@okstate.edu	Role of primary cilia in neuropsychiatric disorders; identification of signaling pathways that regulate the assembly state of cilia

Center for Rural Health including the Center for Indigenous Health Research and Policy

Denna Wheeler, Ph.D. Denna.Wheeler@okstate.edu	Health research involving Educare Family Health Project, Hospitality House Network National Study, and HINTS data.
Randy Hubach, Ph.D. Randolph.hubach@okstate.edu	Focused research on healthcare among sexual minority individuals including HIV and in Rural Oklahoma Health
Tori Taniguchi, MPH tori.taniguchi@okstate.edu	Focus on Indigenous/Native communities' health disparities using a community-based participatory research approach.

Pharmacology and Physiology

Hugo Arias, Ph.D. Hugo.Arias@okstate.edu	Nicotine specific research, including literature reviews of Nicotinic Receptors, related to psychiatric and neurologic conditions
Kath Curtis, Ph.D., Kath.Curtis@okstate.edu	Research focuses on estrogen in studies focused on control of energy balance, body fluid balance, or stress (Rat laboratory)
Alexis Jones, Ph.D. alexis.jones@okstate.edu	Effects of breastfeeding on food preferences and interactions between gender and stress in exercise participants
Al Rouch, Ph.D. al.rouch@okstate.edu	Effects of drugs, diseases, diets on blood pressure (BP) in mice; and critical reviews of the effectiveness of nephrology research
Craig W. Stevens, Ph.D. cw.stevens@okstate.edu	Bioinformatics research centered on the evolution of opioid receptor protein sequences by modeling of receptor sequences
Dave Wallace, Ph.D. david.wallace@okstate.edu	Focused research on the actions of environmental pollutants on the development of cancer, focused on heavy metal/pesticide exposure
Randy Wymore, Ph.D. randy.wymore@okstate.edu	Molecular biology and microbiology underlying the etiology of Morgellons Disease, including literature reviews

Psychiatry and Behavioral Sciences

Jason Beaman, DO jason.beaman@okstate.edu	Focused research on forensics, including mass murder, and psychiatric topics of substance use disorders.
Alicia Ford, Ph.D. alicia.ford@okstate.edu	Clinical and research interests include the assessment and treatment of cognitive effects of medical and psychiatric disorders.
Micah Hartwell, Ph.D. micah.hartwell@okstate.edu	Research uses large data to investigate public health and medical topics—food security, health disparities, addiction, & pediatrics.
Matt Vassar, Ph.D. matt.vassar@okstate.edu	Research focuses on improving the conduct and reporting of clinical research and exploring the effects of bias on study outcomes.
Tvli Jacob, Ph.D. tvli.jacob@okstate.edu	Uses media content (Video/Photo-voice) to study and understand health among Indigenous Peoples.