PHYSIOLOGICAL SCIENCES

Martin Furr, DVM, Ph.D., Department Head

The Department of Physiological Sciences at Oklahoma State University contributes substantially to the teaching, research and service components of the College of Veterinary Medicine.

The department currently has 20 tenure/tenure-track, ten adjunct and four research track faculty members, three postdoctoral fellows and approximately 18 graduate students.

Teaching responsibilities within the department include the areas of veterinary morphology, physiology, pharmacology and toxicology, providing professional coursework leading to the DVM degree and graduate coursework leading to the Master’s and Doctor of Philosophy degrees. Departmental faculty have a wide range of research interests including neurotoxicology, lung biology, enzymology of drug metabolism, exercise physiology, reproductive physiology, therapeutics, comparative aging, cardiovascular physiology, raptor biology and cetacean biology. Extramural funding in support of research from agencies including NIH, DoD, USDA, American Cancer Society and others totals over $2 million annually.

Faculty

Martin Furr, PhD—Professor and Department Head  

Regents Professors: Lin Liu, BS, PhD (Lundberg-Kienlen Professor of Biomedical Research); Carey N. Pope, PhD (Sitlington Chair in Toxicology)  

Professors: James E. Breazile, DVM, PhD (emeritus); Nicholas L. Cross, PhD (emeritus); *Michael S. Davis, DVM, MS, PhD (Oxley Chair in Equine Sports Medicine); Veronique Lacombe, DVM, PhD, Diplomate ACVIM, Diplomate ECEIM; Jerry R. Malayer, PhD; *Dianne McFarlane, MS, DVM, PhD (Ricks Rapp Professorship); Lara K. Maxwell, DVM, PhD; Charlotte L. Ownby, MS, PhD (emeritus); Ashish Ranjan, BVSc, PhD (Kerr Endowed Chair); Chris Ross, DVM, PhD; Alastair G. Watson, BVSc, PhD (emeritus)  

Adjunct Professors: David W.A. Bourne, MS, PhD; Stephen Brimijoin, BA, PhD; Larry P. Gonzalez, MS, PhD; Terence H. Risby, PhD  

Associate Professors: Jill Akkerman, DVM, PhD; Guangping Chen, MS, PhD; Myron Hinsdale, DVM, PhD; Sudahkar Jha, MS, PhD; James W. Lish, MS, PhD (emeritus); Pamela G. Lovern, BA, PhD; Joseph P. McCann, PhD; *Sandra E. Morgan, MS, DVM (emerita); Larry E. Stein, PhD (emeritus)  

Adjunct Associate Professors: Joseph R. Bidwell, BSc, MSc, PhD; David R. Wallace, BS, PhD; Guolong Zhang, BS, MS, PhD  

Assistant Professors: Joshua Butcher, M.S., PhD; Madhan Subramanian, BVSc, PhD; Xufang Deng, BS, MS, PhD  

Adjunct Assistant Professor: Terry A. Gipson, BS, MS, PhD  

Assistant Research Professors: Chaoyun Huang, MD, PhD  

Research Associate: Yurong Liang, BS, PhD; M. Cristina Munteanu, MS, PhD  

Research Scientist: Danny Maples, PhD; Sarang Tartey, PhD  

Post-Doctoral Fellows: Timothy Clink, PhD; Akansha Singh, PhD; Kishor Vaddadi, PhD  

Graduate Teaching Associates: Kaushalya Jayathilake, BVSc; Raisa Monteiro, BVSc; Bhuvana Plakkot, BVSc; Sai Narayan Sankara, BVSc, MVSc; Yemi Semola, MS, SH; Shoroq Shatnawi, BS, MS; Mahesh Sivasubramanian, BVSc  

Graduate Research Associates: Harshini Ashar, BVSc, MVSc; Landon Butler, BS, Debarati Chanda, BS, MS; Quanjin Dang, BS; Matthew Gallman, BS; Mike Gorbet, BS; Sankha Hewawasam, BS, Samuel Jeyasingh, BVSc; Rudy Montayre, BS; Emily Nunan, BS; Matthew Rochowski, BS; Zhengyu Zhu, BVSc  

*Board Certification in Specialty Area