Physiological Sciences

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 17 tenure/tenure-track, ten adjunct and two research track faculty members, ten postdoctoral fellows and approximately 21 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); Jerry R. Malayer, PhD; *Dianne McFarlane, MS, DVM, PhD (Ricks Rapp Professorship); Lara K. Maxwell, DVM, PhD; Charlotte L. Ownby, MS, PhD (emeritus); Chris Ross, DVM, PhD; Alastair G. Watson, BVSc, PhD (emeritus)

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

**Associate Professors:** Jill Akkerman, DVM, PhD; Guangping Chen, MS, PhD; Myron Hinsdale, DVM, PhD; Veronique Lacombe, DVM, PhD; Diplomate ACVIM, Diplomate ECEIM; James W. Lish, MS, PhD (emeritus); Pamela G. Lovern, BA, PhD; Joseph P. McCann, PhD; *Sandra E. Morgan, MS, DVM (emerita); Ashish Ranjan, BVSc, PhD (Kerr Endowed Chair); 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:** Shitao Li, PhD; Madhan Subramanian, BVSc, PhD

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

**Assistant Research Professors:** Chaoqun Huang, MD, PhD; Narasa Raju Teluguakula, BSc, MSc, PhD

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

**Post-Doctoral Fellows:** Erin Williams, PhD; Lingyan Wang, BS, MS, PhD; Fang Hau, PhD; Kishor Vaddadi, PhD; Lingling, Xu, PhD

**Graduate Teaching Associates:** Harshini Ashar, BVSc, MVS; Kalyani Ektate, BVSc; Bridgette French-Harbison, BS, MS; Girish Patil, MVS; Sri Nandhini Sethuraman, BVSc, MVS; Mohit Singh, MVS; Kun Song, BS; Megolhubino Terhuja, U; Joshua VanOsdol, BS; Nishani Wijesekera, BVSc; Dao Xu, BS

**Graduate Research Associates:** Gayan Bamunuarachchi, BS; Allison Campolo, BS; Mike Gorbet, BS; Sugandhika Gothami, BS; Wenzhuo Hao, BS, MS; Kong Lin, BS; Stacey Herriage, BA; Robert Jeyasingh, BVSc;