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 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); 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, BS, MA, PhD; Terence H. Risby, PhD
Associate Professors: Jill Akkerman, DVM, PhD; Guangping Chen, MS, PhD; Myron Hinsdale, DVM, 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
Adjunct Assistant Professor: Terry A. Gipson, BS, MS, PhD
Assistant Research Professors: Chaoqun Huang, MD, PhD
Research Associate: Yurong Liang, BS, PhD; M. Cristina Munteanu, MS, PhD
Post-Doctoral Fellows: Allison Campolo, PhD; Kirstin Hester, PhD; Sri Nandhini Sethuraman, BVSc, MVSc; Akansha Singh, PhD; Kishor Vaddadi, PhD, PhD
Graduate Teaching Associates: Harshini Ashar, BVSc, MVSc; Bridgette French-Harbison, BS, MS; Girish Patil, MVSc; Mohit Singh, MVSc; Kun Song, BS; Joshua VanOs dol, BS; Nishani Wijesekera, BVSc; Dao Xu, BS
Graduate Research Associates: Gayan Bamunuwarachchi, BS; Mike Gorbet, BS; Sugandhika Gothami, BS; Wenzhuo Hao, BS, MS; Kong Lin, BS; Stacey Herriage, BA; Robert Jeyasingh, BVSc; Kirstin Hester, BS; Raisa Monteiro, BVSc; Shannon Removerski, BS, DVM; Oluwayemisi Semola, U; Lakmini Senaviratna, BS

Staff: Montana Fulton, RVT; Dallas Karcher, BS; Erin Langford-Loftis, BS; Christopher H. Pivinski, BS; Lana Schler, BS; Jessica Schultz, MS, BS

*Board Certification in Specialty Area