

# PHYSIOLOGICAL SCIENCES

\*Board Certification in Specialty Area

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 18 tenure/tenure-track, ten adjunct and four research track faculty members, two 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 Masters 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, and cardiovascular physiology. 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, Department Head and Assistant Dean - Professional Programs

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

**Professors:** Pratul Agarwal, PhD; Natarajan Aravindan, MS, MPhil, PhD, CCA; 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; Lara K. Maxwell, DVM, PhD; Charlotte L. Ownby, MS, PhD (emeritus); Alastair G. Watson, BVSc, PhD (emeritus)

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

**Assistant Professors:** Joshua Butcher, M.S., PhD; Xufang Deng, BS, MS, PhD; Neeraj Singh, BVSc, MVSc, PhD

**Teaching Associate Professor:** Deon van der Merwe, BVSc, MSc, PhD, ERT

**Teaching Assistant Professor:** Girish Patil, PhD

**Assistant Research Professors:** Chaoqun Huang, MD, PhD; Danny Maples, PhD; Dinesh Somasundaram, PhD

**Research Associate:** Yurong Liang, BS, PhD

**Post-Doctoral Fellows:** Kishor Vaddadi, PhD

**Graduate Research Associates:** Kainat Ahmed, BVSc, MVSc; Mohammad Asad, PhD; Xiang Chi, PhD; Quanjin Dang, BS; Matthew Gallman, BS; Nazmul Haque, PhD; Prince Jhandai, PhD; Joanna Koilpillai, MS; Xueying Liang, PhD; Sreenidhi Mohanvelu, PhD; Dharanya Muthiah, PhD; Emily Nunan, BS; Bhuvana Plakkot, MVSc; Sabir Salim, PhD; Danya Sankaranarayanan, PhD; Keerthana Santhosh, PhD; Adam Soriano, PhD; Yashaswi Raj Subedi, MS; Poorvi Subramanian, PhD; Akshaya Surendran, PhD; Elizabeth Varghese, PhD; UdayKiran Venugopal, PhD; Qianru Zhang, PhD; Siyr Zhang, PhD; Xiaoming Zhang, PhD

**Staff:** Erin Langford-Loftis, BS; Christopher H. Pivinski, BS; Lana Schler, BS; Jessica Schultz, BS, MS; Kerrie Williams, AS