

DEPARTMENT OF VETERINARY INTEGRATIVE BIOSCIENCES

Head: Todd M. O'Hara

The Department of Veterinary Integrative Biosciences (VIBS) offers graduate degree programs aimed at educating students to advance biomedical science through original research and to disseminate that knowledge for the protection and promotion of animal and human health. The department awards the interdepartmental MS and PhD degrees in Biomedical Sciences (with specialties in Biomedical Genomics and Bioinformatics, Clinical and Translational Sciences, Epidemiology, Infection and Immunity, and Physiology and Developmental Biology). Also managed and awarded by the department are the interdepartmental MS degree in Science and Technology Journalism and the departmental MS degree in Veterinary Public Health-Epidemiology.

Many of the department faculty participate in University-wide graduate training programs in Neuroscience, Reproductive Biology, Genetics and Genomics, Toxicology, Biotechnology, and Ecology and Evolutionary Biology.

In addition to developing research expertise in their specialty, students have the opportunity to learn anatomy, public health practices, and genomics in a variety of domestic species, wildlife species, and laboratory animals. Training in anatomy spans histology, histochemistry, neuroanatomy, and state-of-the-art interactive laser microscopy. Training in public health emphasizes epidemiology, food safety, food toxicology and control of zoonotic diseases. Training in genomics emphasizes genetics of health and disease, phylogeny of mammalian species, bioinformatics and comparative genomics.

Master of Science in Science and Technology Journalism

The Master of Science in Science and Technology Journalism is a distinctive program to prepare students for careers as science and technology writers, reporters and editors in the public media, government, industry, academia and other sectors. It also can serve as a foundation for doctoral study.

Master of Science in Veterinary Public Health-Epidemiology

The Master of Science in Veterinary Public Health-Epidemiology is designed to serve the needs of veterinarians and those with an interest in public health wishing to go into some aspects of government (state or federal) service, military veterinary personnel seeking advanced training in public health and students with a career goal of academia or research. It can also serve as the foundation for students interested in attending professional school.

Students prepare degree plans that fit their area of study and professional or research goals in consultation with a committee of graduate faculty members led by a faculty mentor/chairperson. The general procedural rules are those specified in this catalog. More details on core course requirements, degree plans, and administrative matters are available in the college's "Graduate Student Handbook."

Faculty

Andersson, Leif B, Professor
Vet Integrative Biosciences
PHD, Swedish University of Agricultural Sciences, Uppsala, 1984

Arosh, Joe A, Professor
Vet Integrative Biosciences
DVM, University, Madras, India, 1985
PHD, Universite Laval, 2004

Banu, Sakhila K, Professor
Vet Integrative Biosciences
PHD, University of Madras, 2002

Barron, Chrissy, Instructional Assistant Professor
Vet Integrative Biosciences
DVM, Ross University, School of Veterinary Medicine, 2012

Budke, Christine M, Professor
Vet Integrative Biosciences
DVM, Purdue University, 2001
PHD, Philosophisch-Naturwissenschaftliche Fakultät der Universität Basel, 2004

Burghardt, Robert C, Senior Professor
Vet Integrative Biosciences
PHD, Wayne State University, 1976

Cai, James, Professor
Vet Integrative Biosciences
PHD, University of Hong Kong, 2006

Chaney, Kristin P, Clinical Professor
Vet Integrative Biosciences
DVM, Colorado State University, 2003

Curley, Kevin, Instructional Associate Professor
Vet Integrative Biosciences
PHD, Texas A&M University, 2012

Davis, Lauren K, Instructional Assistant Professor
Vet Integrative Biosciences
PHD, Texas A&M University, 2015

Dunham, Thomas Leigh, Lecturer
Vet Integrative Biosciences
PHD, University of Texas Southwestern Medical Center, 2023

Foley, Nicole M, Research Assistant Professor
Vet Integrative Biosciences
PHD, University College Dublin, 2017

Frank-Cannon, Tamy C, Clinical Associate Professor
Vet Integrative Biosciences
DVM, Texas A&M University, 1996
PHD, Texas A&M University, 2005

Gaddy, Dana, Professor
Vet Integrative Biosciences
PHD, Baylor College of Medicine, 1991

Gastel, Barbara J, Professor
Vet Integrative Biosciences
MD, Johns Hopkins University, 1978

Hamer, Sarah A, Professor
Vet Integrative Biosciences
DVM, Michigan State University, 2011
PHD, Michigan State University, 2010

Hartberg, Yasha M, Instructional Assistant Professor
Vet Integrative Biosciences
PHD, Binghamton University, 2016

Hiney, Jill K, Research Assistant Professor
Vet Integrative Biosciences
PHD, Texas A&M University, 1996

Hoffman, Anton G, Clinical Professor
Vet Integrative Biosciences
DVM, Texas A&M University, 1986
PHD, Texas A&M University, 1992

Johnson, Gregory A, Professor
Vet Integrative Biosciences
PHD, University of Wyoming, 1997

Juarez, Jose, Research Assistant Professor
Vet Integrative Biosciences
PHD, Texas A&M University, 2021

Kneese, Dana A, Clinical Assistant Professor
Vet Integrative Biosciences
DVM, Texas A&M University, 2013
PHD, Texas A&M University, 2009

Ko, Gladys Y, Professor
Vet Integrative Biosciences
PHD, Kent State University, 1996

Levent, Gizem, Assistant Professor
Vet Integrative Biosciences
DVM, Ankara University, 2012
PHD, Texas A&M University, 2019

Li, Jianrong, Professor
Vet Integrative Biosciences
PHD, University of Hawaii at Manoa, 1997

Murphy, William J, Professor
Vet Integrative Biosciences
PHD, The University of Tulsa, 1997

Ndeffo Mbah, Martial Loth, Assistant Professor
Vet Integrative Biosciences
PHD, University of Cambridge, UK, 2010

Nghiem, Peter P, Associate Professor
Vet Integrative Biosciences
DVM, Texas A&M University, 2008
PHD, George Washington University, 2014

Norman, Keri N, Associate Professor
Vet Integrative Biosciences
PHD, Texas A&M University, 2010

O'Hara, Todd, Professor
Vet Integrative Biosciences
DVM, University of Wisconsin, 1992
PHD, Virginia Commonwealth University, 1988

Pine, Michelle D, Clinical Professor
Vet Integrative Biosciences
DVM, University of Missouri-Columbia, 1991
PHD, Texas A&M University, 2002

Powell-Pierce, Alexandra, Lecturer
Vet Integrative Biosciences
PhD, Texas A&M University, 2023

Raudsepp, Terje, Professor
Vet Integrative Biosciences
PHD, Swedish University of Agricultural Sciences, 1999

Rijnkels, Monique G, Research Associate Professor
Vet Integrative Biosciences
PHD, Leiden University, 1997

Ritter, Nicola L, Instructional Associate Professor
Vet Integrative Biosciences
PHD, Texas A&M University, 2014

Skow, Loren C, Senior Professor
Vet Integrative Biosciences
PHD, Texas A&M University, 1976

Srivastava, Vinod K, Research Associate Professor
Vet Integrative Biosciences
PHD, Avadh University, Faizabad, India, 1986

Tayce, Jordan D, Instructional Associate Professor
Vet Integrative Biosciences
DVM, Texas A&M University, 2008

Welsh, Jane, Professor
Vet Integrative Biosciences
PHD, London University, 1981

Wilson, Patrick, Clinical Associate Professor
Vet Integrative Biosciences
DVM, Washington State University, 1990

Yang, Junhua, Assistant Professor
Vet Integrative Biosciences
PHD, University, Hangzhou, China, 2015

Young, Colin R, Lecturer
Vet Integrative Biosciences
PHD, Kings College London, University of London, 1977

Masters

- Master of Science in Veterinary Public Health - Epidemiology (<https://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/veterinary-medicine-biomedical-sciences/veterinary-integrative-biosciences/veterinary-public-health-epidemiology-ms/>)
- Master of Science In Veterinary Public Health - Epidemiology (VPHE) and Doctor of Veterinary Medicine (VTMD) Combined Degree Program (<https://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/veterinary-medicine-biomedical-sciences/interdepartmental/ms-vphe-vtmd/>)