DEPARTMENT OF VETERINARY INTEGRATIVE BIOSCIENCES

Head: C. Jane Welsh

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, 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.

**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.

**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 service, military veterinary personnel seeking advanced training in public health and students with a career goal of academia or research.

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
PHD, Universite Laval, 2004

Arosh, Sakhila B, Associate Professor
Vet Integrative Biosciences
PHD, University of Madras, 2002

Bergthorsson, Ulfar, Associate Professor
Vet Integrative Biosciences
PHD, University of Rochester, 1998

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

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

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

Chiu, Weihsueh A, Professor
Vet Integrative Biosciences
PHD, Princeton University, 1998

Curley Jr, Kevin O, Instructional Assistant Professor
Vet Integrative Biosciences
PHD, Texas A&M University, 2012

Davis, Brian W, Research Assistant Professor
Vet Integrative Biosciences
PHD, Texas A&M University, 2013

Dees, William L, Professor Emeritus
Vet Integrative Biosciences
PHD, Texas A&M University, 1982

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

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

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

Gonzales, Molly McCarty, Instructional Assistant Professor
Vet Integrative Biosciences
EDD, Pepperdine University, 2017

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

Hartberg, Yasha M, Lecturer
Vet Integrative Biosciences
PHD, Binghamton University, 2016

Gonzalez, Molly McCarty, Instructional Assistant Professor
Vet Integrative Biosciences
EDD, Pepperdine University, 2017

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

Hartberg, Yasha M, Lecturer
Vet Integrative Biosciences
PHD, Binghamton University, 2016
Herman, Cheryl L, Clinical Associate Professor
Vet Integrative Biosciences
DVM, University of Saskatchewan, 1987

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

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

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

Johnson, Larry, Professor
Vet Integrative Biosciences
PHD, Colorado State University, 1978

Juras, Rytis, Research Assistant Professor
Vet Integrative Biosciences
PHD, Lithuanian Veterinary Academy, 2005
DVM, Lithuanian Veterinary Academy, 2000

Katju, Vaishali, Associate Professor
Vet Integrative Biosciences
PHD, Indiana University, 2004

Kim, Sun J, Research Assistant Professor
Vet Integrative Biosciences
PHD, Sogang University, 2006

Klemm, William R, Senior Professor
Vet Integrative Biosciences
PHD, University of Notre Dame, 1963
DVM, Auburn University, 1958

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

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

Ko, Michael L, Research Assistant Professor
Vet Integrative Biosciences
PHD, Kent State University, 1997

Kornegay, Joe N, Professor
Vet Integrative Biosciences
PHD, University of Georgia, 1982

Langford, Candice L, Research Assistant Professor
Vet Integrative Biosciences
PHD, Texas A&M University, 2006

Li, Qinglei, Associate Professor
Vet Integrative Biosciences
PHD, Harbin Medical University, 2001

Lyczak, Kristin C, Clinical Assistant Professor
Vet Integrative Biosciences
DVM, Colorado State University, 2003

Mouneimne, Roula, Research Professor
Vet Integrative Biosciences
PHD, Lyon I University, 1984

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, Assistant Professor
Vet Integrative Biosciences
PHD, George Washington University, 2014
DVM, Texas A&M University, 2008

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

Phillips, Timothy D, Distinguished Professor
Vet Integrative Biosciences
PHD, University of Southern Mississippi, 1975

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

Porter, Weston W, Professor
Vet Integrative Biosciences
PHD, Texas A&M University, 1997

Qian, Yongchang, Research Associate Professor
Vet Integrative Biosciences
PHD, Shanghai Institutes for Biological Sciences, 1990

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

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

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

Ruoff, Lynn M, Clinical Professor
Vet Integrative Biosciences
DVM, Colorado State University, 1975

Rusyn, Ivan I, Professor
Vet Integrative Biosciences
PHD, University of North Carolina at Chapel Hill, 2000
Seo, Heewon, Research Assistant Professor
Vet Integrative Biosciences
PHD, Yonsei University, 2012

Shi, Liheng, Research Assistant Professor
Vet Integrative Biosciences
PHD, Osaka University, 2001

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

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

Taylor, Robert J, Research Professor
Vet Integrative Biosciences
PHD, Texas A&M University, 1987

Tiffany-Castiglion, E, Professor
Vet Integrative Biosciences
PHD, University of Texas Medical Branch at Galveston, 1979

Venkatraj, Vijayanagaram S, Clinical Associate Professor
Vet Integrative Biosciences
PHD, New York University, 1992

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

Masters

- Master of Science in Veterinary Public Health - Epidemiology (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/veterinary-medicine-biomedical-sciences/veterinary-integrative-biosciences/veterinary-public-health-epidemiology-ms)