

GRADUATE FACULTY

College Of Veterinary Medicine

Comparative Medicine

Bemis, David – PhD (Assoc Prof)

<http://www.vet.utk.edu/faculty/bemis.shtml>

Approved to Direct Doctoral Research: Y

Research Emphasis: Diagnostic bacteriology/mycology; bacterial pathogenesis, Bordetella

Cox, Sherry – MS, PhD (Asst Prof)

<http://www.vet.utk.edu/faculty/cox.shtml>

Approved to Direct Doctoral Research: N

Research Emphasis: Pharmacology

Eiler, Hugo – DVM, MS, PhD (Prof)

<http://www.vet.utk.edu/faculty/eiler.shtml>

Approved to Direct Doctoral Research: Y

Research Emphasis: Endocrine testing procedures; mechanism and treatment for retained placenta

Fecteau, Kellie – MS, PhD (Asst Prof)

<http://www.vet.utk.edu/faculty/fecteau.shtml>

Approved to Direct Doctoral Research: N

Research Emphasis: Clinical endocrinology

Henry, Robert – MS, DVM, PhD (Prof)

<http://www.vet.utk.edu/faculty/henry.shtml>

Approved to Direct Doctoral Research: Y

Research Emphasis: Tissue preservation via plastination and macro and microscope anatomy of the respiratory and lymphatic systems

Holland, Margo – DVM, PhD (Assoc Prof)

www.vet.utk.edu/faculty/mholland.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: Integrative biology including bovine mammary gland stem/progenitor in vitro model for bovine mastitis; in vitro model for antibiotic resistance in bovine and host pathogen interactions

Kania, Stephen – MS, PhD (Assoc Prof)

www.vet.utk.edu/faculty/kania.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Immunology and diagnosis of infectious diseases, microbial molecular diversity, and mechanisms of bacterial virulence

Kennedy, Melissa – DVM, PhD (Asst Prof)

www.vet.utk.edu/faculty/kennedy.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: Corona virus, infections in felidae, viral diseases of non-domestic species

Martin-Jimenez, Tomas – DVM, PhD (Asst Prof)

www.vet.utk.edu/faculty/martinjimenez.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: Pharmacology

Mendis-Handagama, Charmi – DVM, PhD (Prof)

www.vet.utk.edu/faculty/mendis.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Reproductive biology; cell biology; morphology and morphometrics

New, John – DVM, MPH (Dept Head/Prof)

www.vet.utk.edu/faculty/new.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Epidemiology of infectious diseases (especially zoonoses); diseases of wildlife; the human-animal bond; pet overpopulation

Odoi, Agricola – MS, PhD (Asst Prof)

<http://www.vet.utk.edu/faculty/odoi.shtml>

Approved to Direct Doctoral Research: N

Research Emphasis: Applications of GIS & spatial epidemiology in health research & practice; zoonotic infections of public health significance; determinants of population health

Oliver, Jack – MS, DVM, PhD (Prof)

www.vet.utk.edu/faculty/oliver.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Mechanisms/alleviation of mycotoxins, endocrine diagnostic methodology

Patton, Sharon – MS, PhD (Prof)

www.vet.utk.edu/faculty/patton.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Veterinary parasitology; zoonotic parasites; diagnostic procedures; Toxoplasma gondii

Potgieter, Leon – BVSc, MS, PhD (Prof, Assoc Dean)

www.vet.utk.edu/faculty/potgieter.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Viral diseases of the bovine respiratory tract; comparative diagnostic virology

Reed, Robert – DVM, PhD (Assoc Prof)

www.vet.utk.edu/faculty/reed.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Nutritional regulation of LHRH and LH secretion and effects on the reproductive axis; Macroscopic and applied anatomy of domestic and exotic species

Rohrbach, Bart – DVM, MPH (Assoc Prof)

www.vet.utk.edu/faculty/rohrbach.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Epidemiology of infectious disease

Schultz, Terry – MS, PhD (Prof)

www.vet.utk.edu/faculty/schultz.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Environmental toxicology and potency modeling of industrial organic chemicals

Sims, Michael – MS, PhD (Prof)

www.vet.utk.edu/faculty/sims.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Otoacoustic emissions in cats

Pathobiology

Baek, Seung – MS, PhD (Asst Prof)

www.vet.utk.edu/faculty/baek.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: Anti-cancer compounds found in diet, NSAIDs, and anti-oxidants

Brian, David – DVM, PhD (Prof)

www.vet.utk.edu/faculty/brian.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Mechanisms of RNA replication and regulation of gene expression from RNA virus genomes

Cui, Mei-Zhen – PhD (Assoc Prof)

www.vet.utk.edu/faculty/cui.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Molecular mechanisms of Cardiovascular disease

Donnell, Bob – DVM, PhD (Asst Prof)

www.vet.utk.edu/faculty/donnell.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Pathogenesis of amyloid formation, deposition and clearance via use of transgenic models, development of antibodies and clinical evaluation of novel approaches

Edwards, Dave – DVM (Prof/Interim Head)

www.vet.utk.edu/faculty/edwards.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: Hematology, clinical chemistry, cytology and congenital ciliary dysfunction in dogs

Fry, Michael – MS, DVM (Asst Prof)

www.vet.utk.edu/faculty/fry.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: Canine hepcidin, reticulocyte indices as markers of iron deficiency

LeBlanc, Casey – DVM, PhD (Asst Prof)

www.vet.utk.edu/faculty/leblancc.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: Immunosuppression and oxidative status of veterinary cancer patients; flow cytometry

McEntee, Mike – DVM (Prof)

www.vet.utk.edu/faculty/mcentee.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Gross, histologic, and ultrastructure and ultrastructural pathology

Newman, Shelley – DVM, PhD (Asst Prof)

www.vet.utk.edu/faculty/newman.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: oncologic pathology; mast cell tumors

Rotstein, David – DVM, MS (Asst Prof)

www.vet.utk.edu/faculty/rotstein.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: Neoplasia of wildlife, zoo, and exotics

Rouse, Barry – DVM, MSc, PhD (Prof)

www.vet.utk.edu/faculty/rouse.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Comparative cellular and molecular immunology; viral infection diseases

Schuller, Hildegard – DVM, PhD (Prof)

www.vet.utk.edu/faculty/schuller.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Experimental oncology, chemical carcinogenesis; comparative pathology of lung tumors

Tithof, Patti – DVM, PhD (Assoc Prof)

www.vet.utk.edu/faculty/tithof.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Animal physiology

Wang, Hwa-Chain – BVM, PhD (Assoc Prof)

www.vet.utk.edu/faculty/wang.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Anti-cancer molecular oncology

Xu, Xuemin – PhD (Assoc Prof)

www.vet.utk.edu/faculty/xuemin.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Molecular mechanisms of Alzheimer's disease

Large Animal Clinical Sciences

Adair, Steve – DVM, MS (Assoc Prof)

www.vet.utk.edu/faculty/adair.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Equine laminitis; laser dopler flowmetry; microvascular blood flow and laser surgery

Andrews, Frank – DVM, MS (Prof)

www.vet.utk.edu/faculty/andrews.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Gastric secretion/physiology and gastric ulcer disease in horses

Blackford, Jim – DVM (Assoc Prof)

www.vet.utk.edu/faculty/blackford.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: Wound management; gastrointestinal disease

Dhar, Madhu – PhD (Asst Prof)

<http://www.vet.utk.edu/faculty/dhar.shtml>

Approved to Direct Doctoral Research: N

Research Emphasis: Mouse models of human disease: obesity and diabetes

Doherty, Tom – MVB, MS (Assoc Prof)

www.vet.utk.edu/faculty/doherty.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: Large animal anesthesia; gastric emptying in horses

Duggins, Robin – DVM (Asst Prof)

www.vet.utk.edu/faculty/duggins.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: Colic, pain management

Frank, Nicholas – DVM, PhD (Assoc Prof)

www.vet.utk.edu/faculty/frank_n.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Endocrine & metabolic diseases of large animals; lipoprotein and glucose metabolism in large animals, equine hypothyroidism & Cushing's disease, and obesity-associated laminitis in horses

Geiser, Dennis – DVM (Assoc Prof/Asst Dean)

www.vet.utk.edu/faculty/geiser.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: Pain management, balance of anesthesia in animals, local & regional anesthesia

Holland, Robert – DVM (Prof/Head)

www.vet.utk.edu/faculty/holland.shtml

Approved to Direct Doctoral Research: N

Hopkins, Fred – DVM, MS (Prof)

www.vet.utk.edu/faculty/hopkins.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: Reproduction in the cow and bull

Kerr, Larry – DVM, MS (Assoc Prof)

www.vet.utk.edu/faculty/kerr.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: Food animal toxicoses

Schumacher, James – MS, DVM (Assoc Prof)

http://www.vet.utk.edu/faculty/schumacher_james.shtml

Approved to Direct Doctoral Research: Y

Research Emphasis: Skin grafting and reproductive & respiratory surgery

Sommardahl, Carla – DVM, PhD (Asst Prof)

www.vet.utk.edu/faculty/sommardahl.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: Equine medicine, genetic and renal diseases

van Amstel, Sarel – BVSc, MMedVet (Assoc Prof)

www.vet.utk.edu/faculty/vanamstel.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: Bovine respiratory disease and bovine lameness

Welborn, Matt – DVM (Asst Prof)

www.vet.utk.edu/faculty/welborn.shtml

Approved to Direct Doctoral Research: N

Research Emphasis: Food animal production medicine

Small Animal Clinical Sciences

Adams, William – DVM (Assoc Prof)
www.vet.utk.edu/faculty/adams.shtml
Approved to Direct Doctoral Research: Y
Research Emphasis: Radiation Oncology; brachytherapy

Bartges, Joe – DVM, PhD (Prof)
www.vet.utk.edu/faculty/bartges.shtml
Approved to Direct Doctoral Research: Y
Research Emphasis: Nutrition and renal diseases

Brace, James – DVM (Prof)
www.vet.utk.edu/faculty/brace.shtml
Approved to Direct Doctoral Research: N
Research Emphasis: Nephrology, urology, and pathophysiology of disorders in the urinary system

DeNovo, Robert – DVM, MS (Prof & Dept. Chair)
www.vet.utk.edu/faculty/denovo.shtml
Approved to Direct Doctoral Research: N
Research Emphasis: Esophageal disease; helicobacter infection

Frank, Linda – DVM, MS (Prof)
www.vet.utk.edu/faculty/frank.shtml
Approved to Direct Doctoral Research: N
Research Emphasis: Hypothyroidism in dogs, pathophysiology of atopic dermatitis

Gompf, Becky – DVM (Assoc Prof)
www.vet.utk.edu/faculty/gompf.shtml
Approved to Direct Doctoral Research: N
Research Emphasis: Cardiology

Harvey, Ralph – DVM, MS (Assoc Prof)
www.vet.utk.edu/faculty/harvey.shtml
Approved to Direct Doctoral Research: N
Research Emphasis: Comparative aspects of anesthesia and analgesia; anesthetic pharmacology and related physiology

Hendrix, Diane – DVM (Assoc Prof)
www.vet.utk.edu/faculty/hendrix.shtml
Approved to Direct Doctoral Research: N
Research Emphasis: Infectious disease of the equine cornea; raptor ophthalmology

Hnilica, Keith – DVM (Assoc Prof)
www.vet.utk.edu/faculty/hnilica.shtml
Approved to Direct Doctoral Research: N
Research Emphasis: Dermatology

Jones, Michael – DVM (Assoc Prof)
www.vet.utk.edu/faculty/jonesm.shtml
Approved to Direct Doctoral Research: Y
Research Emphasis: Avian medicine

Krahwinkel, D.J. – DVM, MS (Prof)
www.vet.utk.edu/faculty/krahwinkel.shtml
Approved to Direct Doctoral Research: N
Research Emphasis: Thoracic and cardiovascular surgery

Kirk, Claudia – DVM, PhD (Assoc Prof)
<http://www.vet.utk.edu/faculty/kirk.shtml>
Approved to Direct Doctoral Research:
Research Emphasis: Pet nutrition; feline urinary tract disease; feline diabetes mellitus

Lane, India – DVM, MS (Assoc Prof)
www.vet.utk.edu/faculty/lane.shtml
Approved to Direct Doctoral Research: N
Research Emphasis: Application and interpretation of urodynamic procedures in animals

LeBlanc, Amy – DVM (Asst. Prof)
<http://www.vet.utk.edu/faculty/leblanc.shtml>
Approved to Direct Doctoral Research: N
Research Emphasis: Diagnostic and therapeutic techniques for cancer diagnosis and management

Legendre, AI – DVM, MS (Prof)
www.vet.utk.edu/faculty/legendre.shtml
Approved to Direct Doctoral Research: N
Research Emphasis: Feline viral disease and fungal diseases (blastomycosis)

Mawby, Dianne – DVM (Assoc Prof)
www.vet.utk.edu/faculty/mawby.shtml
Approved to Direct Doctoral Research: N
Research Emphasis: Internal medicine

Millis, Darryl – DVM, MS (Prof)
www.vet.utk.edu/faculty/millis.shtml
Approved to Direct Doctoral Research: Y
Research Emphasis: Effects of growth factors on bone healing; canine gait analysis

Ramsay, Edward – DVM (Prof)
www.vet.utk.edu/faculty/ramsay.shtml
Approved to Direct Doctoral Research: N
Research Emphasis: Novel anesthetic agent delivery; immobilization of wildlife; reptile clinical pathology

Schumacher, Juergen – DVM (Assoc Prof)
<http://www.vet.utk.edu/faculty/schumacher.shtml>
Approved to Director Doctoral Research: Y
Research Emphasis: Anesthesia & analgesia and emergency & critical care medicine of non-domestic animals

Thomas, William – DVM, MS (Assoc Prof)
www.vet.utk.edu/faculty/thomas.shtml
Approved to Direct Doctoral Research: N
Research Emphasis: Doppler ultrasonography

Ward, Daniel – DVM, PhD (Prof)
www.vet.utk.edu/faculty/ward.shtml
Approved to Direct Doctoral Research: N
Research Emphasis: Blood ocular barriers; ocular pharmacology

Weigel, Joseph – DVM, MS (Assoc Prof)
www.vet.utk.edu/faculty/weigel.shtml
Approved to Direct Doctoral Research: N
Research Emphasis: Orthopedics

Interdisciplinary

Moore, Robert N. – PhD (Prof)

Microbiology

<http://web.bio.utk.edu/micro/faculty/moore.html>

Approved to Direct Doctoral Research: N

Research Emphasis: Host-microbial interactions (no longer active in research)

Sangster, Mark – PhD (Asst Prof)

Microbiology

<http://web.bio.utk.edu/micro/faculty/sangster.html>

Approved to Direct Doctoral Research: Y

Research Emphasis: B cell response to infection or vaccination

Zemel, Michael – PhD (Prof)

Nutrition

<http://myprofile.cos.com/mzemel>

Approved to Direct Doctoral Research: Y

Research Emphasis: Cell calcium regulation, obesity genetics, adipocyte metabolism

UT Graduate School of Medicine

Carroll, Roger – PhD (Prof – Dept. of Anesthesiology)
gsm.utmck.edu/anesthesiology/faculty/carroll.htm

Approved to Direct Doctoral Research: Y

Research Emphasis: Platelet signal transduction mechanisms as related to preventing thrombotic diseases

Gengozian, Nazareth – PhD (Prof – Dept. of Pediatrics)

Approved to Direct Doctoral Research: Y

Research Emphasis: Isolation and identification of hematopoietic stem cells through monoclonal antibody technology

Gerard, David – PhD (Assoc Prof – Dept. of Oral/Max Surgery)

gsm.utmck.edu/oral_surg/faculty/gerard2.htm

Approved to Direct Doctoral Research: N

Research Emphasis: Study of bone activity in response to implanted materials and bone response to growth factors

Grandas, Oscar -- MD (Asst Prof – Dept. of Surgery)

Approved to Direct Doctoral Research: N

Research Emphasis: Pancreas transplantation

Hutson, Kent – MD (Asst Prof – Dept. of Radiology)

<http://gsm.utmck.edu/radiology/faculty/hutson.htm>

Approved to Direct Doctoral Research: N

Research Emphasis: MRI, neuroimaging, & medical informatics

Karlstad, Michael D. – PhD (Prof – Dept. of Anesthesia)

Approved to Direct Doctoral Research: Y

Research Emphasis: The regulation of pulmonary inflammation and protein metabolism by protein and lipid mediators in critical illness and trauma

Kennel, Stephen – PhD (Assoc Prof – Dept. of Medicine)

<http://gsm.utmck.edu/amyloid/kennel.htm>

Approved to Direct Doctoral Research: Y

Research Emphasis: Human immunology & cancer

Kestler, Daniel – PhD (Asst Prof – Dept. of Medicine)

Approved to Direct Doctoral Research: N

Research Emphasis: Detection of novel amyloid protein mutants; gene expression and regulation of novel members of the secretory calcium phosphoprotein gene cluster

Matteson, Karla J. – PhD (Assoc Prof – Dept. of Medical Genetics)

<http://gsm.utmck.edu/genetics/faculty/matteson2.htm>

Approved to Direct Doctoral Research: Y

Research Emphasis: Molecular analysis for clinical applications

Smith, Gary T. – MD (Prof – Dept. of Radiology & Medicine)

<http://gsm.utmck.edu/radiology/faculty/smith.htm>

Approved to Direct Doctoral Research: Y

Research Emphasis: Positron emission tomography imaging for diagnostic use in cardiology and oncology

Wall, J.S. – PhD (Assoc Prof – Dept. of Medicine)

Approved to Direct Doctoral Research: Y

Research Emphasis: Amyloid and other abnormal protein assemblies

Wallace, Lorraine – PhD (Asst Prof – Dept. of Family Medicine)

http://gsm.utmck.edu/family_medicine/faculty/wallace.htm

Approved to Direct Doctoral Research: Y

Research Emphasis: Clinical epidemiology, chronic disease management, health promotion, & health communication

Wimalasena, Jay H. – PhD (Prof – Dept. of OB/Gyn)

http://gsm.utmck.edu/cancer_cell/faculty.htm

Approved to Direct Doctoral Research: Y

Research Emphasis: Breast & ovarian cancer; signal transduction; cell cycle regulation, and placental development