

Graduate Faculty and Areas of Research
(MD and Ph.D. Program Graduate Coordinator indicated in red)
(MS Department Coordinator indicated in blue)

<u>VETERINARY BIOMEDICAL SCIENCES M.S. DEGREE</u>	Dr. Margie Lee, D.V.M., Ph.D - Professor of Population Health and Graduate Coordinator Coordinator of Combined (DVM/PhD) and College-wide Graduate Programs (706) 583-0797 mdlee@uga.edu
<u>ANATOMY AND RADIOLOGY</u>	Sharon L. Crowell-Davis, D.V.M., Ph.D. - Human-animal bond, animal behavior. (706)542-8343 scrowell@uga.edu Jeff Hogan, Ph.D. - Infectious Diseases, Virology. Thomas M. Krunkosky, D.V.M., M.S., Ph.D. – Molecular mechanisms of inflammation and disease in the lung.
<u>POPULATION HEALTH</u>	Leanne Alworth, B.S., DVM, MS, Ph.D. - Laboratory animal medicine Roy Berghaus, D.V.M., Ph.D. – Infectious disease epidemiology. Stephen Collett, D.V.M., Ph.D. – Clinical avian medicine. Joe Corn, Ph.D. - Tick Ecology and wildlife diseases. Douglas Ensley, DVM, MS – Beef production medicine. John R. Fischer, D.V.M., Ph.D. - Pathology, virulence mechanisms, and population effects of diseases in wildlife. Maricarmen Garcia, Ph.D. - Avian virology, molecular virology. John R. Glisson, D.V.M., M.A.M., Ph.D. - Clinical avian medicine, mycoplasmosis and bacteriology. Stephen Harvey, B.S., M.S., DVM - Laboratory Animal medicine. Charles L. Hofacre, D.V.M., M.A.M., Ph.D. - Clinical avian medicine, mycoplasmosis and bacteriology. David J. Hurley, Ph.D. - Veterinary Immunology and Vaccine Development. Mark Jackwood, Ph.D. - Molecular biotechnology, molecular virology. Michael Keel, BS, MS, DVM, PhD - Infectious diseases of wildlife; pathology of diseases. Christopher King, B.S, DVM, Ph.D. – Laboratory Animal medicine. Margie Lee, D.V.M., Ph.D. – Microbial Pathogenesis, microbial ecology. (706) 583-5085 mdlee@uga.edu John J. Maurer, Ph.D. - Molecular bacteriology. Daniel G. Mead, Ph.D. - Vector-borne viral diseases. Egbert Mundt, D.V.M., Ph.D. – Molecular virology, viral pathogenesis, vaccinology, birnaviruses and avian influenza. Michael Overton, DVM, MPVM – Production Animal Medicine. Melvin Pence, DVM, MS – Beef production medicine. David Reeves, DVM, MS – Swine production medicine. Holly Sellers, M.S., Ph.D. – Avian virology. David E. Stallknecht, Ph.D. - Wildlife diseases, epidemiology. Stephen G. Thayer, Ph.D. – Diagnostic veterinary microbiology, viral serology. Pedro Villegas, D.V.M., Ph.D. – Avian virology. Susan Williams, D.V.M., M.A.M., Ph.D. – Avian histopathology. Michael Yabsley, B.S., DVM, MS, Ph.D. – Wildlife disease ecology. Guillermo Zavalá, M.S., D.V.M., M.A.M., Ph.D. – Clinical avian medicine.
<u>LARGE ANIMAL MEDICINE</u>	Michelle H. Barton, D.V.M., Ph.D. - Endotoxemia, Neonatology, Internal Medicine. Richard A. Fayer-Hosken, B.V.Sc., Ph.D. Theriogenology, reproductive physiology, immunocontraception, exotic reproductive physiology. James N. Moore, D.V.M., Ph.D. - Endotoxemia & Laminitis. John Peroni, DVM, MS, Dip ACVS - Microvascular dysfunction in equine laminitis, Regulation of equine pulmonary blood flow, and Small vessel myography. Michel Vandenplas, B.Sc., M.Sc., Ph.D. - Modulation of Endotoxin Signal Transduction in Human and Equine Monocytes. Amelia R. Woolums, M.V.Sc., D.V.M., Ph.D. - Bovine Respiratory Disease and Respiratory Immunity. (706)542-9329 awoolums@uga.edu
<u>INFECTIOUS DISEASES</u>	Harry W. Dickerson, B.V.Sc., Ph.D. - Comparative immunoparasitology. Donald L. Evans, Ph.D. - Cellular immunology and immunoregulation. Liliana Jaso-Friedmann, Ph.D. - Molecular immunology. (706)542-2875 ljaso@uga.edu Mary Hondalus, D.V.M., Ph.D. - Tuberculosis, vaccines and Rhodococcus pathogenesis. Ray M. Kaplan, D.V.M., Ph.D. - Parasitic diseases of livestock. Eric Lafontaine, B.S., Ph.D. – Microbiology and Infectious Diseases. Julie M. Moore, Ph.D. - Malarial immunology. David S. Peterson, Ph.D. - Molecular parasitology. Frederick D. Quinn, Ph.D. - Tuberculosis/mycobacterial pathogenesis. Sreekumari Rajeev, BVSc, Ph.D., DACVM – Infectious Diseases, Leptospirosis and Johne's disease in cattle. Jeremiah Saliki, DVM, Ph.D., Dipl. ACVM – Virology, vaccine development. Susan Sanchez, Ph.D. - Molecular mechanisms and epidemiology of antibiotic resistance. Bruce Seal, Ph.D. – Microbiology, Poultry Microbiological Safety. David Suarez, Ph.D. - Influenza pathogenesis. Matt Sylte, DVM, Ph.D., DACVM – Infectious Diseases, Virology. Mark S. Tompkins, Ph.D. – Immune response to influenza virus infection. Ralph A. Tripp, Ph.D. - Viral immunology and vaccine development.
<u>PATHOLOGY</u>	Frederick Almy, DVM, MS, Dipl ACVP – Infectious Diseases. Uriel Blas-Machado, DVM, Ph.D. - Immunohistochemistry of Infectious Diseases. Cathy A. Brown, V.M.D., Ph.D. - Progression of chronic renal disease, infectious diseases, and diagnostic pathology. Corrie C. Brown, D.V.M., Ph.D. - Infectious diseases of food-producing animals, foreign animal diseases. Richard Bruner, DVM, Ph.D. - Lab animal pathology. Alvin Camus, D.V.M., Ph.D. - Comparative Immunology, Microbiology, and Infectious Diseases. K. Paige Carmichael, D.V.M., Ph.D. - Spontaneous animal models of human neurologic disease; neuropathology, ocular diseases. Paula J. Fedorka - Cray, B.S., M.S., Ph.D. - Food and Production Animal Microbiology. Alistair Dove, B.S., D.M.Ph.D. - Aquatic medicine. Zhen Fu, D.V.M., Ph.D. - Molecular pathogenesis of rabies. Jaroslava T. Halper, M.D., Ph.D. - Growth factors and neoplasia, wound healing. (706)542-5830 jhalper@uga.edu Elizabeth W. Howerth, D.V.M., Ph.D. - Wildlife diseases, pathogenesis of viral diseases. Kenneth S. Latimer, D.V.M., Ph.D. - Viral diseases of companion and exotic birds, pathology of fishes, Pelger-Huet anomaly of dogs. Bruce LeRoy, D.V.M., Ph.D. - Clinical Pathology, Prostate Cancer, Bone Metastases. Debra Miller, MS, D.V.M., Ph.D. – Wildlife rehabilitation, wildlife diseases. Mary Pantin-Jackwood, DVM, Ph.D. – Avian Pathology. Pauline Rakich, DVM, Ph.D. – Clinical Pathology. Sherif Ramzy Zaki, M.S., Ph.D. - Infectious Diseases, Zoonoses, Pathology. David Swayne, D.V.M., M.S., Ph.D. - Renal diseases associated with infectious and non-infectious etiologies. Elizabeth Uhl, D.V.M., Ph.D. - Molecular pathology; role of transcription factors in susceptibility and resistance to disease.
<u>PHYSIOLOGY & PHARMACOLOGY</u>	Julie A. Coffield, D.V.M., Ph.D. - Toxicology, neurology. (706)542-5979 coffield@uga.edu Gaylen L. Edwards, D.V.M., Ph.D. - Neural control of ingestive behavior, motivation and reward. Margarethe Hoenig, D.M.V., Ph.D. - Endocrinology and clinical pharmacology. Royal A. McGraw, Ph.D. - Mammalian molecular genetics, DNA technology. (706)542-0661 mcgraw@uga.edu Thomas Robertson B.Sc., Ph.D. - Heterogeneity of the cardiovascular system in health and disease. Sherry L. Sanderson, D.V.M., Ph.D. – Nutritional management in health and disease, urology and nephrology. John J. Wagner, Ph.D. - Mechanisms of neuroplasticity and drugs of abuse.

	Xiaoqin Ye, M.D., Ph.D. - Lysophospholipid signaling in reproduction, and reproductive toxicology.
<u>SMALL ANIMAL MEDICINE & SURGERY</u>	Scott A. Brown, V.M.D., Ph.D. - Biology of renal microvasculature. Steven C. Budsberg, D.V.M., M.S. - Gait analysis and osteoarthritis. Karen Cornell, D.V.M., Ph.D. - Cancer research, mechanisms of metastasis. Oncology. Stephen Hernandez-Divers, BVetMed, MRCVS - Exotic Animal Medicine and Surgery. Branson W. Ritchie, D.V.M., Ph.D. - Viral diseases of companion birds, Zoo animal medicine. (706)542-6484 britchie@uga.edu Cynthia R. Ward, V.M.D., Ph.D. - General endocrinology, feline hyperthyroidism. Internal Medicine. (706)542-9384 erward@uga.edu



The University of Georgia

College of Veterinary Medicine Graduate Studies, 2008-2009

Veterinary Graduate Programs

The College of Veterinary Medicine offers graduate programs leading to the Master of Science and Doctor of Philosophy degrees. Major areas of concentration for the MS include anatomy, behavior, epidemiology, infectious diseases, pathology, pharmacology, physiology, and toxicology. Doctoral programs are available in infectious diseases, pathology, physiology, and toxicology. Non-thesis degree programs are offered leading to the degree of Master of Avian Medicine for veterinary graduates desiring specialized training in the diagnosis, treatment, and prevention of poultry diseases and to the degree of Master of Food Animal Medicine for veterinary graduates seeking specialized training in beef, dairy and swine population medicine. With the exception of the avian and food animal medicine programs that require a D.V.M. degree for admission, the other programs are open both to veterinary graduates and to those with bachelor's degrees in appropriate areas.

Internship and residency non-thesis degree programs for veterinary graduates are offered in small animal internal medicine, small animal surgery large animal internal medicine or surgery, neurology, ophthalmology, theriogenology, and radiology. Most residents have the opportunity to work toward the M.S. or Ph.D. degree in a basic science along with their clinical science training; veterinary pathology residents are required to obtain the Ph.D.

Research and training programs are supported by excellent laboratory facilities. The Veterinary Teaching Hospital and Diagnostic Laboratory are available to support research activities. Additional College facilities include Laboratory Animal Resources and the Electron Microscopy Laboratory, which contains scanning and transmission microscopes, with a confocal electron microscope located in the Center for Advanced Ultrastructural Research near the College. Also available are university service laboratories that include the monoclonal antibody laboratory (located in the college), the integrated biotechnology laboratories (Functional Genomics Resource Facility, Proteomics Facility, and Sequencing and Synthesis Facility), and various computer laboratories. A new BSL3 and BSL3 Ag facility the Animal Health Research Center is available.

The University's Science Library is located near the College of Veterinary Medicine. Computerized literature searches and resources for arranging interlibrary loans are available through the College's Library Reading Room.

Educational Expenses

For the 2008-2009 year, graduate students who hold an assistantship requiring at least one-third-time service are assessed a \$25 matriculation fee plus an activities fee of \$563 per semester. Graduate students who do not hold an assistantship and are residents of Georgia pay a fee of \$6,024 plus activities fee of \$587 per semester; nonresidents pay \$22,342 plus the activities fee of \$587 per semester.

Veterinary medical graduate assistantships are available on a competitive basis to support most of the qualified graduate students holding the D.V.M. degree. A limited number of graduate assistantships are available on a competitive basis to students who do not have a D.V.M.

For 2008-2009, residence hall rooms are available for both men and women at rates of \$2,053 to \$2,775 per semester. The new East Campus Village rates vary according to fall, spring, or summer semesters from \$2,758 to \$3,146 per semester. Married student accommodations range from \$495 to \$750 per month plus utilities for University-operated housing on the campus. Additionally, there are numerous privately owned residences available for rent in the area.

Athens and the University

Located in the Piedmont section of the state, Athens is known as Georgia's "Classic City," and had a population of 111,580 in 2006. Average temperatures range from 32 to 52 degrees Fahrenheit for January and to 90 degrees for July. The city and University offer a wide range of cultural activities, which are supplemented by the attractions of nearby Atlanta. The city and surrounding area provide facilities for all types of sports and recreational activities, ranging from winter skiing in the mountains 2 hours to the north to summer activities on the ocean, 4 hours to the southeast. There are a number of freshwater lakes and state parks with campsites within easy driving distance.

The University of Georgia was incorporated in 1785 and established in 1801 and is the oldest state declared university in the country. Since that time, the University of Georgia has grown to include thirteen different schools and colleges, several research institutes and experiment stations, an agricultural extension service, and a center for continuing education on approximately 3,500 acres in Athens-Clarke County, Georgia, with most of the teaching and research activities concentrated in an area within the city limit. Enrollment during 2007-2008 was 33,831, which includes a Graduate School enrollment of 6,947 and a Professional enrollment of 1,549.

Application for Admission

Application for admission to the Graduate School may be made at any time but [deadlines](#) apply for each semester. Applicants with exceptional academic records may be eligible for Graduate School assistantships; all application materials are due by January 30. Applicants to the graduate programs are expected to have a strong background in the biological sciences. Specific disciplines or departments may have additional requirements for admission; see next page for links. Graduate Coordinators (see next page links in **RED**) or Residency coordinators (see next page links in **BLUE**) can be contacted for this information. Students for whom English is not the native language must achieve a TOEFL score of 550 and higher on the paper-based test or 213 and higher on the computer-based test.

For additional information:

Graduate Coordinator, College of Veterinary Medicine
University of Georgia
Athens, GA 30602-7371
Email: vetgrad@uga.edu

For applications:

Graduate School, Graduate Admissions
University of Georgia
Athens, GA 30602-7402
<http://www.gradsch.uga.edu/>