



DEPARTMENT OF ANIMAL AND AVIAN SCIENCES

Graduate Assistantships are available for M.S. and Ph.D. students for the Fall 2017 – Spring 2018 academic year. These assistantships provide a competitive stipend, health benefits, and tuition remission, and are renewable depending on satisfactory progression through the program. Students will engage in research and collaborate with other graduate students under the direction of their mentor. Students will also be assigned teaching assistant duties, usually for one course each a year. Candidates should have previous laboratory experience, a B.S. (in Animal Sciences, Biology, Biochemistry, or closely related field), excellent verbal and written communications skills, and a strong work ethic.

The Department of Animal & Avian Sciences (<http://ansc.umd.edu>) offers B.S., M.S. and Ph.D. degrees and is comprised of 21 faculty members with research interests focused in four areas: **Animal Genetics and Cell Biology, Nutrient Utilization and Management, Animal Reproduction and Development, and Pathobiology & Infectious Diseases.** <http://ansc.umd.edu/research>

Faculty with openings in their laboratories include;

Metabolic regulation during growth and development focusing on mitochondrial metabolism: Dr. Nishanth E. Sunny (<http://ansc.umd.edu/people/nishanth-e-sunny>),

Patterning of the early embryo with a focus on neural crest and placode cells: Dr. Lisa Taneyhill (<http://ansc.umd.edu/people/lisa-taneyhill>),

Neuroendocrine regulation of growth and metabolism: Dr. Tom Porter (<http://ansc.umd.edu/people/tom-e-porter>),

Genetics of nutritional iron metabolism and anemia: Dr. Iqbal Hamza (<http://ansc.umd.edu/people/iqbal-hamza>),

Nutritional programming of growth: Dr. Chad Stahl (<http://ansc.umd.edu/people/chad-h-stahl>)

Nutritional immunology: Dr. Kasey Moyes (<http://ansc.umd.edu/people/kasey-m-moyes>).

Our location in the Washington DC metropolitan area offers a wealth of other opportunities for internships and collaborations for undergraduate and graduate students with government agencies such as the USDA, EPA, FDA, and National Zoo. Our University of Maryland Extension efforts provide educational materials and non-degree training for the families and companies working in animal agriculture throughout the State of Maryland. Additional information on all of our efforts and programs can be found through the links on this web page.