

**DEPARTMENT OF ANIMAL AND AVIAN SCIENCES  
COLLEGE OF AGRICULTURE AND NATURAL RESOURCES  
UNIVERSITY OF MARYLAND, COLLEGE PARK**

**GRADUATE STUDENT POSITION ANNOUNCEMENT**

**POSITION:** MS or PhD position available in the Gastrointestinal Health and Physiology Lab in the Department of Animal and Avian Sciences.

**INSTITUTION:** Founded in 1856, University of Maryland, College Park is the state's flagship institution. Our 1,250-acre College Park campus is just minutes away from Washington, D.C., and the nexus of the nation's legislative, executive, and judicial centers of power. 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 NIH, USDA, EPA, FDA, and National Zoo.

**POSITION DESCRIPTION:** MS or PhD Graduate Assistant positions are available beginning in Fall 2021 or Spring 2022 in Gastrointestinal Health and Physiology Lab in the Department of Animal and Avian Sciences at the University of Maryland (UMD) – College Park under the supervision of Dr. Younggeon Jin. The overall goal of the lab is to study mechanisms responsible for maintenance and restoration of the intestinal barrier, with the ultimate objective of pharmacologically restoring the mucosal barrier in animals and human suffering from diseases associated with increased intestinal permeability. Our work involves cell and animal models (mouse and pig), and incorporates tools from physiology, genetics, bioengineering, and molecular biology. We are seeking self-motivated MS or PhD candidates from varied backgrounds in animal sciences, veterinary sciences, physiology, genetics, and molecular biology.

**QUALIFICATIONS:** A BS in molecular biology, physiology, animal sciences, veterinary sciences, or a related field is required. A MS degree is highly preferred for the PhD candidate position. Candidates should have strong written and oral communication skills. A desire to work individually, or in dynamic multi-disciplinary groups is also required. Experience with data analysis techniques and programs are preferred but not required.

**APPLICATION:** Interested candidates should send a CV with references, unofficial post-secondary transcripts, GRE, TOFEL (for international students), and a cover letter explaining their interest and qualifications for the position to Dr. Jin (e-mail: ygjin@umd.edu) Applications will be accepted until December 31, 2020 (Fall 2021 semester) or August 30, 2021 (Spring 2022 semester). Following candidate selection, the successful applicant will be invited to formally apply for official acceptance into the Graduate School at University of Maryland College Park (required) until January 15, 2021 (Fall 2021 semester) or September 16, 2020 (Spring 2022 semester)