UNIVERSITY OF DELAWARE.® | **College of Agriculture & Natural Resources**
DEPARTMENT OF ANIMAL & FOOD SCIENCES

531 South College Avenue
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Newark, DE 19716-2150
Phone: 302-831-2524

Masters/PhD student position in Animal Nutrition and Gut Health

Department of Animal and Food Sciences, University of Delaware

Job Title: Research Assistant

Location: Department of Animal and Food Sciences, University of Delaware, Newark, DE, USA

Duties: Two master and(or) PhD level graduate research assistantship positions are available in Fall 2022 or Spring 2023 focused on understanding mechanisms that regulates gastrointestinal adaptation to stress (heat/cold, mixing/crowding, nutrition, or infectious challenge). The students will be trained on primary intestinal stem cell culture, molecular biology (transcriptomic, proteomic and metabolomics techniques) and intestinal electrophysiology in poultry and swine models.

The successful candidate will be expected to contribute to conducting animal trails (feeding and handling) on-farm, collecting tissue/cell samples, and analyzing data. Manuscript writing and collaborating with undergraduate students are also expected.

Benefits: tuition waiver and UD health care are covered. Monthly stipend is no less than $2200.

Start Date: Fall 2022 or Spring 2023.

Qualifications

B.S. degree in Animal Science, Biology or closely related field

Animal husbandry experience

Undergraduate GPA >3.2

TOEFL >90 (100 is required for teaching assistantship)

Preferred experiences

Basic cell culture and molecular biology techniques

Undergraduate research experience

GRE: 155 Quantitative and 145 Verbal, or equivalent

Strong written and oral communication skills

Application Process

Interested candidates should send their CV, contact information of 3 references, and a cover letter describing their background and interest in the project to Dr. Yihang Li (liyh@udel.edu). Review of applications will continue until the position is filed.

Candidates will also need to complete a formal application through the University of Delaware Graduate School. Further information can be found here: https://grad.udel.edu/apply/