PURDUE UNIVERSITY | DEPARTMENT OF ANIMAL SCIENCES

Graduate Research Assistantship Position

Ph.D Position in Animal Science: Degree awarded through Purdue University Department of Animal Science, West Lafayette, IN USA

Major area: Feedlot Nutrition and Gut Health

Position Description: A Ph.D research assistantship position is available in the feedlot nutrition laboratory within the Department of Animal Science at Purdue University. The selected applicant will work under the direction of Dr. Jon Schoonmaker in the area of ruminant nutrition. Specifically, the selected candidate will work on projects evaluating the biological impacts of dietary antimicrobials on cattle growth, gastrointestinal microbiome, and intestinal function and develop strategies through nutritional and/or management technologies to improve growth and minimize acidosis and liver abscesses. Within this research area, the applicant will have the opportunity to plan and develop research project, learn a range of laboratory and field techniques, present research results at national and international conferences, and participate in Purdue University Department of Animal Science activities. Scholarly activity resulting in peer-reviewed publications and presentations are required. The successful applicant will have the opportunity to interact with a multidisciplinary team of researchers including microbiologists, physiologists, nutritionists, meat scientists, and veterinarians as well as professionals in the cattle feeding industry, meat packing industry, and funding organizations.

Purdue University is located in West Lafayette, IN and has an enrollment of > 40,000 students. The assistantship includes a stipend and tuition waiver. Health insurance is provided through Purdue University. For more information about the Purdue University and the Department of Animal Science please visit: https://ag.purdue.edu/department/ansc/

Qualifications: Prior educational training in Animal Science, or closely related discipline. Acceptance and enrollment at Purdue University. Ability to work with livestock under commercial production conditions, collect samples and data from livestock, analyze data, possess a valid driver's license, lift 50 pounds, and write and speak English proficiently

Tentative start date: Spring, Summer, or Fall of 2024.