



## Graduate Research Assistantship Position

### **M.S. or Ph.D in Animal Science**

Degree awarded through Purdue University Department of Animal Sciences, West Lafayette, IN USA

**Major area:** Swine Nutritional and Stress Physiology

**Position Description:** A graduate research assistantship (M.S. or Ph.D) position is available within the Purdue University Department of Animal Sciences with funding and research support through the USDA-ARS Livestock Behavior Research Unit. The selected applicant will work under the direction of Dr. Jay S. Johnson in the area of swine nutritional and stress physiology. Specifically, the selected applicant will work on projects evaluating the biological impacts of stress on swine physiology, intestinal function, bioenergetics, and behavior, and develop mitigation strategies through genomic selection, nutrition, and/or improved management practices and technologies. Within this research area, the applicant will have the opportunity to plan and develop research projects, learn a range of laboratory and field techniques, present research results at national and international conferences, and participate in Purdue University Department of Animal Sciences activities. Scholarly activities 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 agricultural engineers, applied ethologists, geneticists, physiologists, nutritionists, and veterinarians.

Purdue University is located in West Lafayette, IN and has an enrollment of >40,000 students. The assistantship includes a stipend equivalent to a half time employee (20 hours per week) and a tuition waiver. Health insurance is provided through Purdue University. For more information about the USDA-ARS Livestock Behavior Research Unit and the Purdue University Department of Animal Sciences please visit the websites below.

USDA-ARS Livestock Behavior Research Unit:

<https://www.ars.usda.gov/midwest-area/west-lafayette-in/livestock-behavior-research/>

Purdue University Department of Animal Sciences:

<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.

**First review of applicants:** 02-09-2023; Review of applicants will continue until the position is filled.

**Tentative start date:** Summer or Fall 2023

**Application instructions:** To apply, please email a resume and unofficial transcripts to Dr. Jay S. Johnson at Jay.Johnson2@usda.gov