



PhD POSITION IN SWINE NUTRITION & PHYSIOLOGY

The Prairie Swine Centre is seeking a passionate, bright, and highly motivated individual interested for a position as PhD graduate student in the disciplines of swine nutrition, physiology, and health. The successful candidate will join a strong, multidisciplinary academic and research team with expertise in non-ruminant nutrition, feed processing, management, welfare, metabolism, and physiology.

The successful candidate will lead and assist with projects involving both classical swine nutrition (growth performance, nutrient utilization) and advanced (metabolomics, proteomics, disease challenge, PCR) techniques. Our current nutrition research program focused on the impact of early-life nutrition on growth, impact of nutrition on health, and factors affecting nutrient requirements and utilization. The successful candidate's program will focus on the interaction of diet composition and gut health.

Qualifications: The desire and ability to lead research projects and work within a team of other highly motivated individuals are of critical importance to this position. A vehicle and driver's licence is required. Candidates must hold, or will have completed, an MSc in a related discipline such as animal science, animal physiology, nutrition, or veterinary science. Previous experience with livestock, especially swine, and knowledge of nutrition and immunology, nutrient utilization, protein metabolism, and feed formulation is required. Experience in bioinformatics, disease challenge (biosafety-level 2), and meta-analysis and a track record of peer-reviewed publications will be considered an asset.

Position start date is May 1, 2022 (flexible). Screening of applications will continue until the position is filled.

Prairie Swine Centre (www.prairieswine.com) is a non-profit swine production research corporation affiliated with the University of Saskatchewan and located 10 km southeast of Saskatoon, Saskatchewan. It offers a nationally and internationally recognized program in research, technology transfer, and education all directed towards the efficiency and sustainability of pork production.

The University of Saskatchewan (www.usask.ca) is located in Saskatoon, a city with a diverse and thriving economic base, a vibrant arts community and a full range of leisure opportunities. The Department of Animal and Poultry Science is well-recognized nationally and internationally as a

research-intensive department. The department's highly-trained and enthusiastic faculty members and adjunct professors have extensive, high-quality applied and basic research programs that cover a wide range of topics in animal science and related areas.

For more information or to apply please contact Dr. Dan Columbus. Interested candidates are asked to include in their application package a cover letter including their career interests, their curriculum vitae, and copies of transcripts. Only those applicants selected for an interview will be contacted.

Dr. Dan Columbus
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