



## MSc or PhD Opportunity in Swine Nutrition – Dietary nitrogen and amino acid utilization

The Prairie Swine Centre is seeking a passionate, bright, and highly motivated individual interested in pursuing graduate studies (M.Sc. or Ph.D.) in the disciplines of swine nutrition and metabolism, program to start in May 2020 (negotiable). 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 proposed project will seek to examine the impact of dietary nitrogen on metabolism and utilization of nitrogen and essential amino acids for growth. Both classical swine nutrition (growth performance) and advanced (nutrient utilization) techniques will be employed.

**Qualifications:** The desire and ability to lead research projects and work within a team of other highly motivated individuals are of critical importance to these positions. A vehicle and driver's licence is required.

**MSc level:** Candidates must have, or will complete, a BSc in related disciplines such as animal science, animal physiology, nutrition, or veterinary science. Previous experience with livestock, especially swine, will be considered an asset.

**PhD level:** Candidates must have 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, is required. A track record of peer-reviewed publications will be considered an asset.

Positions are contingent on acceptance into the Graduate and Postdoctoral Studies at the University of Saskatchewan ([www.usask.ca/cgps](http://www.usask.ca/cgps)). Screening of applications will continue until the positions are filled.

Prairie Swine Centre Inc. ([www.prairieswine.com](http://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 Centre operates a 300 sow farrow-to-finish research herd and currently employs approximately 20 full and part-time staff and students.

The University of Saskatchewan ([www.usask.ca](http://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 that offers advanced training in MSc and PhD degree programs. 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 apply by sending a cover letter including their career interests, their curriculum vitae, and copies of transcripts to:

Dr. Dan Columbus  
Prairie Swine Centre  
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