

Two PhD Positions in Genomics and Machine learning of Feed intake and Resilience traits in pigs

- Location:** Haley Institute of Animal Science and Aquaculture
Faculty of Agriculture, Dalhousie University (Truro, Nova Scotia, Canada)
- Projects:** **Position 1: Genetics and genomics analyses of survival traits in pigs**
Position 2: Genomics and Machine Learning applications for variability in feed intake and feeding behaviour traits in pigs
- Responsibilities and benefits:** The students will be involved in the data collection, modeling, and analyzing large integrated datasets, and employing advanced statistical models. During the research, the students will be familiar with analyzing large data sets for genetic and genomic studies and using corresponding statistical methods. The PhD students have the opportunity to investigate genetics and genomics of survival and feed intake traits in pigs in our NSERC and Swine Innovation Porc projects. In this role, the students will have the opportunity to interact with a strong and stimulating team of collaborators within Dalhousie University, University of Alberta, University of Guelph, as well as other collaborating research centers and industry partners. The student will also benefit from being trained in high-performance computing, computer programming and opportunities for professional development and career advancement.
- Qualifications:** A master's degree from a recognized university in a relevant field (e.g., animal science, quantitative and system genetics, machine learning).
Strong background knowledge and research experience in one or more of the mentioned areas (quantitative genetics, feed efficiency, survival analyses, machine learning).
Proficiency in statistical analyses and computer programming (e.g., R, Python).
Effective verbal and written communication skills and the ability to work effectively in a collaborative research environment.
- Application:** Applicants must submit a cover letter stating qualifications and experience, a Curriculum Vitae, including a list of publications and major projects, and the names and contact information of three referees to: Dr. Younes Miar, email: miar@dal.ca.
In the emails, please specify the position you are applying to. The email subject should start as PhD_POS(1 or 2)_Yourname.
- Start** **Sep 2024**

Note: Only shortlisted candidates will be contacted for interviews. For further information regarding the research project, please contact Dr. Younes Miar, Assistant Professor at Dalhousie University.