

PhD position available to examine trans-generational effects on milk-production traits in dairy cattle

Prerequisites: MSc in statistical animal breeding, knowledge of North American dairy cattle production and nutrition, interest and/or some knowledge of computer programming, analysis of large data sets.

Project description: this project will involve the statistical analysis of dairy production records from milk recording (Lactanet) to look at the trans-generational effects (both genetic and non-genetic) on milk production traits. Multi-generation data are available on more than 1000 herds, the work will involve data handling and computer programming using SAS, and potentially other languages, for mixed model analyses. A knowledge of SAS is not essential, but an interest in 'big data' and programming is necessary.

The candidate will work under the supervision of Roger Cue (Dept. Animal Science, McGill University) in collaboration with Drs. Sirard and Charboneau (Université Laval); to this end, an ability to read French would be an advantage

Start: September 2021

Funding: 3 years – stipend: comparable to NSERC doctoral award

Location: Macdonald Campus of McGill University, Ste. Anne de Bellevue, Québec

This advertisement is directed primarily to Canadian citizens or permanent residents of Canada.

Applications (via the McGill University [uApply on-line system](#)) must be received before March 1st.

For more information, contact [Prof. Roger Cue](#).