Master student position

Faculté de Médecine Vétérinaire
Université de Montréal
Centre de recherche en reproduction et fertilité (CRRF)

Title: Molecular physiology of follicular development and ovulation

Overview: The decline in fertility in cows is a major concern for the dairy industry since it results in significant economic losses each year. In spite of a large amount of research on ovarian physiology, the molecular mechanisms associated with the decline in reproductive efficiency remain to be fully investigated, particularly during follicular development. The aim of our research is to identify target genes that contribute to the growth of the ovarian follicle and ovulation. Our previous research led to the identification of several genes potentially involved in follicular growth but whose functions in the ovary are not yet described. The goal of our current projects is to determine and dissect the functions of these specific genes in the last stages of follicular growth using bovine granulosa cells from in vivo and in vitro experiments followed by various approaches of molecular analysis.

Salary: The student will be funded by a two-year recruitment bursary, but will also be encouraged to apply for scholarships from internal and external granting agencies. A good academic record is therefore essential.

For more information, visit the websites of the laboratory and of the Faculty of Veterinary Medicine:
http://www.rqr.umontreal.ca/en/team-members/kalidou-ndiaye-phd/
https://www.medvet.umontreal.ca

Anticipated Start Date: May or August, 2019

How to Apply: Interested candidates should send a CV to: Kalidou Ndiaye (k.ndiaye@umontreal.ca)

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