

MSc Position in Viral Immunology

Université 
de Montréal



Laboratory: Dr. Neda Barjesteh (DVM, PhD)

Département de pathologie et microbiologie

Faculté de médecine vétérinaire

(St-Hyacinthe campus), Université de Montréal



Elucidating the immunoregulatory roles of exosomes in viral infections in chickens

Project description: The specific roles of exosomes and their contents in the coordination of antiviral responses are not well defined in chickens. Therefore, characterizing the immune-regulatory function of exosomes and their contents will provide insight into the complex interplay of the immune system and the induction of antiviral responses in chickens. The acquired knowledge will shed light on identifying novel strategies to enhance antiviral responses along with limiting the viral replication. MSc student will profile the contents of exosomes released from host cells following viral infections in chickens.

Highly qualified and motivated students can send their applications to Dr. Neda Barjesteh (neda.barjesteh@umontreal.ca).

The research project is cross-disciplinary which will provide opportunities for the student to gain experience and knowledge in the fields of viral-immunology and biology.

Deadline: August 15th, 2019

Starting date: September 2019 or until a suitable applicant is identified

The Barjesteh laboratory is located at the Centre intégré des maladies infectieuses animales (CIMIA) research platform at the Faculty of Veterinary Medicine and is affiliated with research group on infectious diseases in production animals (GREMIP), swine and poultry infectious diseases research center (CRIPA) and Quebec respiratory health network.