

Postdoctoral Research Fellow Position In Molecular Plant Virology

Department of Molecular and Cellular Biology,
College of Biological Science,
University of Guelph, Guelph, Ontario, Canada

October 1, 2018

DESCRIPTION OF POSITION: A full time Postdoctoral Research Fellow is available immediately in the Virology Laboratory of Dr. Baozhong Meng, Department of Molecular and Cellular Biology, the University of Guelph. This position is for six months initially, with the possibility of extension to one year, depending on performance of the researcher. This position is available immediately, with an annual salary of \$33,000 or higher, commensurate with the qualifications, skills and experiences as demonstrated by the publication record of the candidate. Dr. Meng's research program focuses studies on both fundamental and translational research involving diverse projects pertaining to important viruses that significantly impact the grape and wine industry. The incumbent will be mainly involved in several projects as follows:

- (1) To investigate the genetic diversity of major grapevine viruses using phylogenetics.
- (2) To unravel the ultrastructure and composition of viral replication complexes formed by major grapevine viruses through confocal and electron microscopy;
- (3) To elucidate the mechanisms and sequences (signals) responsible for subcellular localization and organelle targeting.

Besides these projects for which the incumbent is responsible, the incumbent will have ample opportunities to interact with others in the lab and the department and may be exposed to a wide range of experimental systems and research projects carried out by others in the lab, which include the identification of new viruses through NGS, construction of infectious cDNA clones of RNA viruses, the use of bioinformatics and phylogenetics to study viral evolution biology, and transcriptomics to explore virus-host interactions.

REQUIREMENTS: A Ph.D. obtained within the past five years in virology, molecular biology or biochemistry obtained from reputable university is required. Candidates with extensive experience and skills in molecular biology and cell biology are required. Skills in proteomics and electron microscopy are desirable. Communication skills, a positive attitude toward teamwork and high standard work ethics are also important factors for consideration.

HOW TO APPLY: Applicants should submit a CV listing education background, work experience, list of publications, and contact information of at least two references to Dr. Baozhong Meng at bmeng@uoguelph.ca.

APPLICATION DEADLINE: Review of applicants will start immediately and continue until the position is filled.