Graduate Student Position in molecular virology and biotechnology

Date: May 15, 2014

A graduate student position, preferably at the Ph.D. level, is available in September 2014 in Dr. Meng’s laboratory, the Department of Molecular and Cellular Biology, College of Biological Science, University of Guelph. Research projects will include structure and composition of virus replicase complexes, characterization of function of novel domains unique to the replicase polyprotein, and engineering and development of virus-induced gene silencing vectors for use in functional genomics. These research projects will involve the use and mastery of a wide range of experimental procedures and approaches, including molecular cloning, site-directed mutagenesis, cell biology, confocal laser scanning and electron microscopy, biochemistry, proteomics, qRT-PCR among others.

The Department of Molecular and Cellular Biology is the largest department on campus and is located in the recently established Science Complex. The department is composed of over 40 research programs with diverse expertise in microbiology, molecular biology and genetics, biochemistry, cell biology and structural biology. State of art facilities are available within the department or in the central facility, the Advanced Analysis Centre, which is located in the same building. These highly diverse research programs, expertise and the tradition of open interactions among faculty, graduate students and other research staff in the department offer highly conducive environment for the further development of incoming graduate students from within Canada and abroad.

Dr. Meng’s research program focuses on both practical and fundamental research on viruses that are important to grapevines and other fruit crops. Dr. Meng’ research team have made significant contributions to the field of grape virology. For more information about Dr. Meng’s research program and the Department of Molecular and Cellular Biology in general, please visit the website at http://mcb.cbs.uoguelph.ca

Deadline: This position is immediately available and will be open until being filled.

How to apply: please send a cover letter outlining your qualifications, research interest and career goals, a recent CV, academic transcripts for your B.Sc. and M.Sc., if applicable, and contact information for 3 references to Dr. Baozhong Meng at bmeng@uoguelph.ca. Best candidates will be selected and asked to submit formal application to the College Graduate Studies.