Technical Position available: Insect cell culture and molecular biology

We are seeking an individual with technical expertise in both insect cell culture and molecular biology to assist in a Genome Canada research project on the screening of volatile chemical compounds using modified cell lines. The duties involve the construction of cDNA libraries, the engineering of plasmids/viruses for recombinant protein expression in insect cells, and the development of an assay for high-throughput screening of volatile chemicals. Technical reports on work accomplished must be provided on a quarterly basis.

The work will be performed under the supervision of Dr. Peter Krell (University of Guelph, Ontario) and Dr Daniel Doucet (Natural Resources Canada, Sault Ste Marie, Ontario). Candidates must possess a strong background in molecular cloning techniques including PCR, primer design, plasmid cloning (conventional and Gateway cloning) and recombinant baculovirus engineering. In addition, relevant experience with insects and with insect cell culture techniques is required. These include basic handling of cell lines (passaging, media testing, counting) and advanced methods (transfection, cloning, live fluorescence microscopy). Note the technical work would be conducted under the direct supervision of Dr Daniel Doucet (doucetd_@hotmail.com) and the research would be conducted at the Great Lakes Forestry Research Centre in Sault Ste Marie, Ontario.

Qualifications: B.Sc. in biological sciences or equivalent. Minimum of 5 years of experience in insect cell culture and molecular biology. The applicant should also be a Canadian citizen.

Applications should be addressed to Dr Peter Krell (pkrell@uoguelph.ca). Please send a cover letter describing your qualifications, research interests, technical skills and goals, a recent CV and copy of your most recent academic (BSc) transcripts all in pdf format. Applicants should also request at least two letters of reference from someone familiar with their research skills to be sent to Dr Peter Krell at pkrell@uoguelph.ca. The letters should address the applicant’s technical and scientific qualifications and soft skills including time management, writing and oral presentations, independence, ability to work in a group and interpersonal skills.

Applications should be received by July 15, 2016. Tentative Start date: August 05, 2016.