

**Post –Graduate (Ph.D.) Fellowship
Nova Scotia Agricultural College**

Christmas tree Research Centre

Ph.D. Abscission and Cold Acclimation Physiology and Metabolism

Position Description:

A Ph.D. fellowship is available to start in 2012 to study Abscission and Cold Acclimation Physiology and Metabolism in Balsam fir Christmas trees. Balsam fir Christmas trees experience post-harvest needle abscission. The Christmas Tree Research Center at NSAC is mandated to understand the causes for needle drop and develop technologies to control needle drop. One of the several research platforms is to examine the physiology and metabolism of cold acclimation and its role in needle retention. The successful candidate will form a part of Christmas tree Research Centre's world-class research team from Nova Scotia Agricultural College.

Qualifications: The successful candidate must have a first-class thesis Master's degree in Plant Science, Plant Biology, Horticultural Science, Plant Physiology, Plant Biochemistry, Forestry or Tree Physiology with demonstrated experience in plant physiological techniques, metabolic and/or biochemical analyses, standard molecular biology techniques and a demonstrated ability to perform research at an advanced level. Superior communication skills are essential. Experience in conifers is desirable but not required.

Stipend: \$21,000/ year for three years.

Application Deadline: Research will start as early as 2012 but applicants must apply for a May 2012 start date in the Ph.D. program.

Location of Research: Nova Scotia Agricultural College (NSAC).

NSAC is located just outside the Town of Truro (population ~25,000), in the picturesque village of Bible Hill, Nova Scotia. We are 40 minutes from the Halifax International Airport. NSAC is a small, vibrant university where students participate and learn applied life sciences and related fields. Undergraduate and graduate degrees are offered in conjunction with Dalhousie University (www.dal.ca).

The successful applicant must be officially registered at another University, such as Dalhousie University in Halifax, Nova Scotia, which has a complimentary PhD program.

To Apply: Please send a resume, statement of career goals, and the contact information (addresses, e-mail and phone numbers) of at least three references to: Dr. Raj Lada, Professor, Department of Plant and Animal Sciences, Nova Scotia Agricultural College, PO Box 550, Truro, Nova Scotia B2N 5E3, Canada, e-mail: rlada@nsac.ca, Phone: (902)893-2309, Fax (902)897-9762. Please visit <http://nsac.ca/erg> for more information on our research program. The successful candidate will also be encouraged to apply for Post-graduate scholarship (PGS-D or Vanier Scholarship) administered by the Natural Sciences and Engineering Research Council of Canada.