

Postdoctoral and Graduate Student Fellowships (PDF) in Forest Pathology at the University of Alberta

Postdoctoral and graduate student positions in forest pathology are available immediately for a team member to join a collaborative research project investigating the genomics of lodgepole pine resistance to western gall rust, caused by *Endocronartium harknessii* (J. P. Moore) Y. Hiratsuka. Three projects are available, depending on candidate background, interests and skills. The first position will investigate comparative genomics of different genotypes of *E. harknessii* that differ in virulence. The second position will conduct qPCR quantification of *E. harknessii* for pine genotypes showing differential susceptibility to the pathogen. The third position will focus on RNA-Seq of pine individuals with differential susceptibility. These positions are suitable for postdocs or PhD students with prior experience in forest pathology, and may be modified to suit the interests of the incumbents. There are also opportunities to participate in other activities within the larger project.

Incumbents will be based at the University of Alberta in the laboratory of Dr. Janice Cooke (janice.cooke@ualberta.ca), and will be co-mentored by Dr. Tod Ramsfield, Canadian Forest Service, Northern Forestry Centre and adjunct University of Alberta (tod.ramsfield@canada.ca).

Graduate student positions

Candidates for the graduate student positions will find details for eligibility requirements and the application process at <https://www.ualberta.ca/biological-sciences/graduate-studies>. Applicants must qualify for a Graduate Teaching Assistantship (GTA) to be eligible for admission.

Applications for Fall 2019 entry into the graduate programme are due by February 1 2019. Prior to submitting the formal graduate studies application, interested candidates should first submit a full curriculum vitae, statement of qualifications and experience, and names of three references to janice.cooke@ualberta.ca and tod.ramsfield@canada.ca.

Postdoctoral positions

Candidates for the postdoctoral positions must have a PhD degree from a recognized university in plant pathology, mycology, plant biology or related discipline, and must have prior experience in genomic analyses. Previous experience in population genetics and/or evolutionary biology is preferred. The ability to effectively communicate and collaborate with a diverse group of colleagues from universities, governments and other research organizations is essential. Applicants must also have a demonstrated ability to prepare manuscripts for publication.

As per Department of Biological Sciences policy, the initial appointment will be for one year, with extension for an additional year depending upon satisfactory performance. The salary range is \$45000-\$50000 per annum, commensurate with qualifications and experiences. A benefits package is included, as described at <http://www.postdoc.ualberta.ca/>. Interested candidates should submit a full curriculum vitae, statement of qualifications and experience, and names of three references to janice.cooke@ualberta.ca and tod.ramsfield@canada.ca. Applicants are thanked in advance. However, only those selected for an interview will be contacted.