

Postdoctoral Fellow – Population Genetics/Genomics and Transcriptomics of Forest Trees

*Forest Genomics Lab, Faculty of Forestry and Environmental Management
University of New Brunswick, Fredericton, Canada*

A postdoctoral fellow position is available from January 2022 in the Forest Genomics Lab of the University of New Brunswick to work on population genetics/genomics and transcriptomics of forest trees. The projects include studying genetic diversity and structure of populations, phylogeography, genetic and evolutionary impacts of forest fragmentation and forest management practices, evolutionary and adaptive genetic potential of central versus marginal populations of northern forest trees under climate change, and transcriptomic responses of forest trees to climate change conditions. The responsibility of the postdoctoral fellow will be to analyze the data and prepare manuscripts from some of the above completed research work as well as conduct research on evolutionary and adaptive genetic potential of central versus marginal populations of northern forest trees under climate change. The position offers excellent opportunities for many high impact publications. There will also be opportunities to participate in teaching and interacting with national and international collaborators.

Applications are invited from highly motivated, innovative and productive researchers who have excellent data analysis, writing, and leadership skills, are capable of working independently and have keen interest in population genetics and genomics and transcriptomics of forest trees. The applicant should have Ph.D. and research experience in population genetics/genomics or related areas and should have experience or capable of analyzing data on various aspects of population genetics and transcriptomics, including assembly and annotation of transcriptomes, and identification and characterization of differential gene expression.

Initial appointment will be made for one year. The position is renewable for a second year subject to availability of sufficient funds and satisfactory performance. The fellowship amount will be commensurate with the qualification and experience of the candidate in accordance with the NSERC guidelines.

Please send your application to Prof. Om Rajora via e-mail (Om.Rajora@unb.ca), consisting of a letter of application, statement of research interests and qualifications, complete CV, and names, addresses (e-mail and postal) and telephone numbers of three referees. Evaluation of the applications will commence on 15 November 2021 and will continue until the position is filled.

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