

## **Postdoctoral position in cannabis genome editing (CRISPR)**

### **Description**

The *Plants and Microbes* lab at Université de Moncton, headed by David Joly and Martin Fillion, is seeking a highly-motivated postdoctoral researcher with experience in plant genetic engineering and molecular biology to join their team. The research project focuses on genome editing and metabolic engineering of cannabis to improve crop performance and quality, increase resistance to pests and diseases, and engineer cannabis with altered cannabinoid/terpenoid profiles to deliver valuable specialty chemicals. This will be achieved with the use of CRISPR-Cas9 genome-editing technology. This project is part of a large-scale collaborative project that comprises industrial partners.

The successful candidates will use CRISPR/Cas9-mediated genome editing or similar approaches and characterize edited plants under controlled environment.

### **Experience**

Applicants are required to have a Ph.D. degree in plant molecular biology/biochemistry or closely related field. Extensive background in molecular genetics is essential, including design and construction of complex vectors, plant tissue culture, biolistic gene transfer, molecular and phenotypic characterization of transgenic plants, etc. Knowledge in plant metabolism, physiology and genomic regulation is desirable. Previous experience in genomic and/or transcriptomic analysis will be considered an asset. This project requires excellent communication skills in English as well as excellent writing skills as demonstrated by a strong publication record in peer-reviewed journals. Recent graduates are encouraged to apply.

### **How to apply**

Please email your resume, cover letter, and contact information of 3 references in a single PDF file to [david.joly@umoncton.ca](mailto:david.joly@umoncton.ca). Applications are welcome until the position is filled.

### **Salary and project period**

CAD 45,000 – 55,000 depending on experience.

The initial appointment is for 12 months and can be renewed annually up to 3 years, depending on available funding and performance evaluation.

**Date needed:** Sept. 1st, 2018.