Postdoctoral position: Genomics of adaptation to climate and fungal pathogens in conifers (CoAdapTree)
Yeaman Lab
Department of Biological Sciences, University of Calgary

The Yeaman lab is looking to hire a postdoctoral researcher to work on a large project focusing on the genomics of adaptation to climate and fungal pathogens in conifers, which has been funded by Genome Canada (CoAdapTree). The broad aim is to extend previous work comparing adaptation to climate in pine and spruce, to add three more species (Douglas-fir, western larch, and jack pine) and also examine resistance/tolerance to fungal pathogens. The main task associated with the position will be to apply GWAS methods to search for the genes driving adaptive trait variation, so excellent bioinformatic skills will be critical. The study design employs some complex and extensive sampling, with a combination of pool-seq and sequence capture to maximize depth of coverage across as many populations as possible, so inventive and creative solutions to analysis will also be required. The project involves several labs in different universities, so collaboration and occasional travel will be important components too, and there should be plenty of room for flexibility and side projects. Most sequence data will be generated by the end of 2018.

The position will run for 2+ years (CAD $50k salary + benefits).

TO APPLY: Please send a CV and a short description of your interest in the position and any relevant research experience to samuel.yeaman@ucalgary.ca, along with the names and emails of three people I could contact for reference letters. I will begin reviewing applications on August 1st, 2018, but please contact me to check in if you need to make a quick decision.

Calgary is a city of ~1 million inhabitants, located about an hour’s drive from the Rocky Mountains.