POSTDOCTORAL POSITION

REMOTE SENSING OF VEGETATION

A postdoctoral position in the field of Remote Sensing of Vegetation is available in the Global Change Molecular Plant Physiology group at the Department of Biology, University of Toronto Mississauga and will be supervised by Prof. Ingo Ensminger. The group is using physiological, molecular, genomic and remote sensing tools to better understand how climate change affects forest trees.

DUTIES

The successful candidate will work in a Genome Canada funded project and use multispectral and hyperspectral sensors on unmanned aerial vehicles (UAV) for physiological phenotyping. Duties include assessing leaf optical properties of vegetation, and to coordinate this work with leaf level determination of functional traits performed by other team members. Candidates are expected to work in an interdisciplinary research project with partners from the Canadian Forest Service and private industry, contribute to ongoing experiments, assess tree responses to abiotic stress and analyze physiological and remote sensing data.

PROFILE

Candidates must hold a PhD in biology, forestry, remote sensing or a related discipline and should have strong quantitative and writing skills. Candidates should have experience with one or more script languages (e.g. Python, Rcran tools, Matlab) and have experience with analysis of large data sets; previous experience with the analysis of multi- or hyperspectral data and some background in plant biology is mandatory.

HOW TO APPLY

Please send your application electronically as a single PDF to Ingo Ensminger (ingo.ensminger@utoronto.ca). Use the words "Postdoc Remote Sensing of Vegetation" in the subject line of your email. Please include a cover letter with a brief statement of your research interest (max. 1 page), your CV, and contacts of two references. Review of applications will begin immediately and continue until the position is filled. Start of contract expected by August or September 2019.

For more information on the project please **contact Ingo Ensminger (ingo.ensminger@utoronto.ca**, +1 905 569 4599). Further information can also be found at **http://www.utm.utoronto.ca/ensminger/**. For general information for postdoctoral fellows at the University of Toronto please visit http://www.sgs.utoronto.ca/postdoctoralfellows

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.