Foliar diseases of dry bean

A Post-Doctoral position will be available (start date April 2014) at Agriculture and Agri-Food Canada, Lethbridge Research Centre to research foliar disease of dry bean in southern Alberta.

The position will be shared 50/50 between two research projects. One project will entail determining the effect of microclimate management and plant architecture on development of white mould of dry bean. A significant amount of field work will be required for this project, including set-up of weather stations and monitoring of microclimate variables within the bean canopy, along with detailed data collection on aspects of white mould disease development. The second project will entail identification of molecular markers tightly linked to bacterial wilt resistance in four dry bean populations. Select lines from these populations will be screened for resistance to bacterial wilt in growth room trials, and molecular markers in these lines will be identified using AFLP and SSR markers.

Qualifications: A PhD in plant pathology, or related field, is required. The successful candidate should have demonstrated ability working with fungal and/or bacterial pathogens of field crops, DNA isolation and manipulation, plant inoculation techniques, and general molecular biology techniques. Familiarity with performing field work and disease evaluations in field plots is desirable. Sound writing skills, critical thinking skills and ability to publish are essential.

Requirements of the position: The successful candidate must also ensure placement on the NSERC Visiting Fellow in Canadian Government Labs program (http://www.nserc-crsng.gc.ca/students-etudiants/pd-np/laboratories-laboratoires/index_eng.asp) to be eligible for this position. The candidate must also be a **Canadian citizen or permanent resident** in order to fulfill NSERC's current requirement for visiting fellows.

To apply for this position, please e-mail your curriculum vitae, along with contact information for two references to:

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