

**PhD opportunity in Plant Pathology/Agronomy – Field-based methods to reduce soilborne inoculum of pea root rot pathogens**

**Project description:** The research project seeks to assess the effect of Brassica cover crops and rotation on root rot of peas and pathogen inoculum potential in the soil. The work will consist of performing field trials, analyzing soils for soil health parameter indicators, and molecular techniques to quantify changes in soilborne pathogen inoculum over time. An ideal candidate should have background knowledge through coursework in soil science, plant pathology and molecular biology. Experience in performing field trials and/or working with soils for DNA analysis is also an asset. Evidence of effective science communication demonstrated by publication in quality journals is required. Candidates must pass the minimum requirements for admission into a PhD program at the University of Saskatchewan in the Department of Plant Sciences.

**Funding:** Includes an annual stipend of \$24,000.00 (CAN), travel to conferences and research costs.

**Location:** Lethbridge Research and Development Centre, Agriculture and Agri-Food Canada, Lethbridge, Alberta, Canada

**Start date:** Screening of candidates starts in October 2017, with an anticipated start date of May 2018.

For further information and/or to apply, please email letter of application, including CV and contact details for 2 referees to:

Syama Chatterton ([syama.chatterton@agr.gc.ca](mailto:syama.chatterton@agr.gc.ca)).