



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA



Vacancies: MSc/PhD/Post-Doctoral Fellowship

Research Details:

A few vacancies for MSc, PhD and Post doctoral fellowship are now open in the Bacterial Genomics and Host Pathogen Interactions group (Department of Biochemistry Genetics and Microbiology, FABI). Our research is aimed at understanding plant pathogen interactions with a focus on three major groups of phytopathogens including bacteria, oomycetes and nematodes. To understand these interactions, we use a combination of 'omics' approaches including comparative genomics, transcriptomics, and functional genomics. The aim is to identify pathogen virulence factors as well as elucidate host defence mechanisms being targeted by these virulence factors. For more on our research, visit the google scholar link below.

https://scholar.google.co.za/citations?hl=en&user=kNi3plkAAAAJ&view_op=list_works&sortby=pubdate

Project Description:

We currently have PhD and Post Doctoral fellowship vacancies that we are looking to fill in January 2024. These projects are a continuation of ongoing work identifying and functionally characterising pathogen virulence factors (specifically effectors). The candidates will work in a team with collaborators in the United Kingdom (James Hutton Institute) and Ghent University (Belgium).

Qualifications

Qualifying candidates with any of the following: Bioinformatics, Molecular Biology, Plant Sciences, Plant Pathology, Microbiology and/or Biochemistry background are encouraged to apply. Additional requirements include good writing and oral skills. Working experience in the field of Molecular Biology/Plant Pathogen Interactions will be an added advantage.

Value of bursaries/fellowships

PhD R120 000 p.a (3 years); Post Doc fellowship R250 000 p.a (2 – 3 years) depending on performance.

Deadline: The closing date for Applications is 28 November 2023. The positions will remain open until a suitable candidate is identified. Please apply by forwarding **a complete CV** with **contact details of three referees** (including phone numbers and email addresses) to Prof. Lucy Moleleki (lucy.moleleki@fabi.up.ac.za). Applicants should include a **cover letter** in which they describe their expertise and a short motivation why they should be selected for this position. Please note that unsuccessful applicants will not be contacted.