



# Postdoctoral Fellowships

2024/2025

## Plant Genomics

Two Postdoctoral Fellowship opportunities are available in the research group of Prof Dave Berger at the University of Pretoria, South Africa.

Required Qualification: PhD in Bioinformatics, or a Genomics related field (Plant Molecular Biology/Biotechnology, Genetics, Microbiology, Biochemistry).

Project 1: Comparative genomics of *Cercospora* fungal pathogens of cereal crops.

This project builds on our recent work on population genomics of *Cercospora zeina* of maize in Africa <https://academic.oup.com/g3journal/article/13/11/jkad214/7279419>. Long read genome sequences are available.

Project 2: Biodiversity and genomics of an endemic medicinal tree species.

This project is associated with the Foundational Biodiversity Information Programme (FBIP) of SANBI. Genome sequences are available for the project. For project philosophy, see <https://nph.onlinelibrary.wiley.com/doi/full/10.1111/nph.13826>

Preferred experience: An excellent track record in bioinformatics or genomics of plant systems.

Prof Dave Berger is leader of the Molecular Plant-Pathogen Interactions (MPPI) Lab, Forestry and Agricultural Biotechnology Institute (FABI), Department of Plant and Soil Sciences at the University of Pretoria, South Africa. <http://tinyurl.com/FABI-MPPI> Both projects are in collaboration with leading international researchers in Europe.

Deadline for applications: 15 January 2024. The two year positions will remain open until suitable candidates are found. Applicants should submit the following to Prof. Dave Berger ([dave.berger@fab.up.ac.za](mailto:dave.berger@fab.up.ac.za)):

- A complete CV with contact details of three referees (including phone numbers and email addresses).
- A half-page description of your publication outputs and computational expertise, specifying how they are suited to the research topic.

Please note that unsuccessful applicants will not be contacted.

