

FOREST MOLECULAR GENETICS PROGRAMME

MSc & PhD BURSARIES 2024

The **Forest Molecular Genetics (FMG) Programme** focuses on the genetic control of growth and development in fast-growing plantation trees with a view to enhance woody biomass production and improve wood properties for timber, pulp, paper and biomaterials production. We work in close collaboration with South African forestry companies to develop capacity and resources for biotechnology research, tree genomics and molecular breeding.

The programme has **four postgraduate bursaries** (two MSc and two PhD) available in 2024. A full bursary will be made available for successful MSc (2 years) and PhD (3 years) candidates.

General Requirements

Minimum Qualifications: BSc Honours (for MSc applications) or MSc (for PhD applications) in Genetics, biotechnology or plant science

Minimum overall average of 70% or at least 70% in Genetics related core modules

The bursary is composed of a base bursary of R100,000 and a top-up bursary of R50,000. Students with an NRF (or other) base bursary will be offered the top-up bursary of R50,000.

In accordance with FMG programmes' Employment Equity goals and targets, preference will be given, to candidates from under-represented designated groups

Research Topics

- ✓ Genome sequencing
- ✓ Population Genomics
- ✓ Association Genetics
- ✓ Landscape Genomics
- ✓ Bioinformatics
- ✓ Plant genetic engineering
- ✓ Plant Molecular Breeding

EXPRESSION OF INTEREST

DUE FRIDAY 8 DECEMBER

APPLY NOW

To apply or submit an expression of interest, please send your resume, cover letter and academic transcripts to Dr Ronishree Mangwanda (FMG programme manager)

ronishree.mangwanda@up.ac.za

For more information
www.fmg.science



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