

# Postdoctoral Position 2021

## Uncovering tree resistance mechanisms

Prof. Sanushka Naidoo

Research in the *Eucalyptus* and Pine Pathogen Interactions group (EPPI) is dedicated to uncover defence mechanisms in forest trees. Forest tree species such as *Eucalyptus* and Pine are subjected to attack by various pests and pathogens during their lifetime.



Examples are the stem canker pathogen, *Chrysosporthe austroafricana* on *Eucalyptus* and pitch canker pathogen *Fusarium circinatum* on pine. Disease incidence is exacerbated by climate change, which is predicted to make environments more favourable for pathogens and pests.

Learn more about the research in EPPI here: [www.fabinet.up.ac.za/EPPI](http://www.fabinet.up.ac.za/EPPI)

### Post-doctoral Position: Systems genetics of disease resistance

❖ A two-year PostDoctoral Researcher position is available within the EPPI research programme in FABI. The systems genetics project, in collaboration with Mondi and Sappi involves the identification of quantitative trait loci (QTLs), expression QTLs and metabolite QTLs for fungal disease resistance in a *Eucalyptus grandis* x *Eucalyptus urophylla* back-cross population. The ideal candidate should have a background in molecular biology and genetics and have an interest in plant pathology.

For more information or to submit an application, please contact  
the FMG Programme Manager Dr Ronishree Mangwanda at  
[ronishree.mangwanda@up.ac.za](mailto:ronishree.mangwanda@up.ac.za)



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UNIVERSITY OF PRETORIA  
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