About the Workshop:

The Fusarium Laboratory Workshop will be hosted by FABI, an institute globally recognized for research in mycology/plant pathology (www.fabinet.up.ac.za) and will be presented by internationally recognized Fusarium researchers. Participants will be introduced to standard morphological, genetic and molecular biological techniques used to identify and characterize species and strains of Fusarium.

More than half of the duration of the workshop will be "hands on" and spent in the laboratory working with a standard set of strains. Participants will learn how to use morphological characters to identify common Fusarium species, how to perform vegetative compatibility group (VCG) and cross-fertility assays, and how to amplify DNA and analyze DNA sequences. The workshop will also include a suite of lectures on topics such as species concepts, phylogenetics, population genetics and genomics.

Topics:
- Laboratory Strain Identification
- VCG Analysis
- Mating Types and Crosses
- Molecular Identification
- Species Concepts
- Phylogenetics
- Population Genetics
- Genomics

Registration Information
Website: www.fabinet.up.ac.za
- Click on Fusarium Laboratory Workshop
- Registration will not be complete until fees are paid. Participant numbers will be limited.
- Completed registration form should be sent to Gerda Fourie (gerda1.fourie@fabi.up.ac.za).
- Gerda Fourie can be contacted in the case of any additional question and/or queries

Instructors:
- Prof. Pedro W. Crous
- Dr. Gerda Fourie
- Prof. David M. Geiser
- Dr. Sandra C. Lamprecht
- Prof. John F. Leslie
- Dr. Lorenzo Lombard
- Dr. Gordon S. Shephard
- Prof. Emma T. Steenkamp
- Dr. Brett A. Summerell
- Prof. Brenda D. Wingfield
- Prof. Michael J. Wingfield

Lead-Instructors
- Prof. Pedro Crous: Director of the CBS (Centraalbureau voor Schimmelcultures) Fungal Biodiversity Centre in Utrecht, Netherlands. Expertise: Phytomycology and fungal systematics.
- Prof. David Geiser: Professor in the Department of Plant Pathology and Director of the Fusarium Research Center, Pennsylvania State University, USA. Expertise: Fungal molecular evolution and population genetics.
- Dr. Sandra Lamprecht: Senior Plant pathologist at the Agricultural Research Council's Plant Protection Research Institute, Pretoria, South Africa. Expertise: Fusarium pathology and ecology.
- Prof. John Leslie: University Distinguished Professor in the Department of Plant Pathology at Kansas State University, Manhattan, USA. Expertise: Fusarium genetics and population genetics.
- Dr. Gordon Shephard: Adjunct Professor at the Institute of Biomedical and Microbial Biotechnology, Cape Peninsula University of Technology, Bellville, South Africa. Expertise: Mycotoxicology.
- Prof. Emma Steenkamp: Forestry and Agricultural Biotechnology Institute, University of Pretoria, Pretoria, South Africa. Expertise: Fusarium genetics.
- Dr. Brett Summerell: Director of Science and Public Programs at the Royal Botanic Gardens, Sydney, Australia. Expertise: Fusarium diagnostics, taxonomy and pathology.

Organizer:
Prof. Emma T. Steenkamp
Forestry and Agricultural Biotechnology Institute (FABI)
University of Pretoria

Workshop Fees
The $1,100 registration fee includes workshop materials, handouts, welcome and workshop dinners, lab supplies, a certificate of participation, and refreshment breaks each day. Should you require an invoice and/or have queries regarding payment options please contact Eva Muller (eva.muller@fabi.up.ac.za).

Other pertinent information
Other than providing participants with robust tools and experience for working with Fusarium spp., this workshop will enable those in attendance to experience the dynamic research environment at FABI and to engage with a large number of internationally recognized mycologists. It will be an unique African experience for those delegates new to this fascinating part of the world and the organisers will be happy to provide assistance for those interested in visiting famous African game parks and other southern African areas of interest.

Please discuss these options with the organisers and remember that the "hands on" nature of this workshop demands that the numbers of participants must be strictly limited.