



PHYLOGENETIC WORKSHOP

Instructor: Dr. Jane Wright



19-23 June 2017 (Introduction to phylogenetics)

26-30 June 2017 (Advanced phylogenetics)

Venue: Dept. of Conservation Ecology and Entomology, Stellenbosch University

This two-week workshop will provide useful information and practical application on phylogenetic analysis. In the first week, introduction to phylogenetics, students will learn all basic steps from checking a sequence to tree construction. In the second week, advanced phylogenetics, students will learn advanced statistical methods for phylogenetic analysis such as Bayesian Inference and Maximum Likelihood techniques. Theoretical lectures introducing important concepts will be followed by practical exercises with students each working individually on their own computers. Students are encouraged to attend both weeks and to bring their own datasets which can be analyzed during the course of the workshop.

Topics covered:

WEEK 1: Introductory phylogenetics workshop:

- Sequence checking and alignment
- Multiple alignment and consensus sequences
- Distance analysis
- Maximum parsimony

WEEK 2: Advanced phylogenetics workshop

- Maximum likelihood
- Bayesian inference
- Multigene trees
- Concatenating datasets

**Estimated cost per participant:
R4500 (one week) or R7000 (two weeks)
Includes lunch and morning tea break**

REGISTRATION STILL OPEN

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