

Thursday 27 – Friday 28 July 2023

Workshop overview

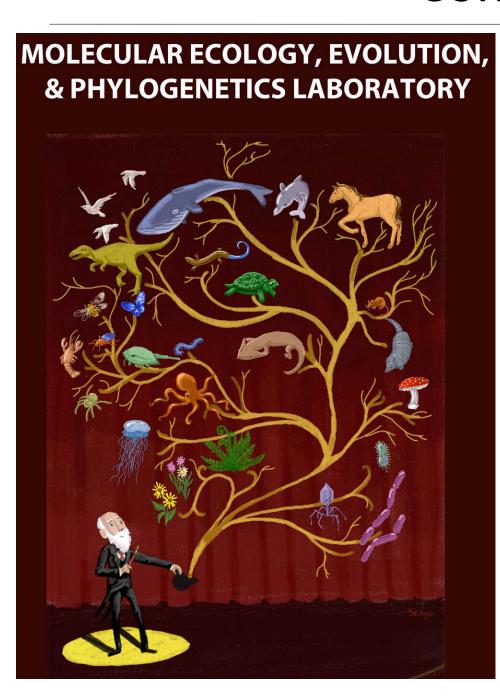
- Interpreting phylogenetic trees
- Molecular evolution and evolutionary models
- Phylogenetic data
- Phylogenetic methods
- Molecular dating







Contributors



Matt Phillips

Rob Lanfear

Matt Brandley

Martyna Molak

Nathan Lo

Sebastián Duchêne

Frank Jia

Daej Arab

Charles Foster

David Duchêne

Jun Tong

Luana Lins

Andrew Ritchie

Mark de Bruyn

Zoe Patterson Ross

Nik Mather

Cara Van Der Wal

Perry Beasley-Hall

Yi-Kai Tea

Fred Jaya

Minh Bui

Barbara Brito-Rodriguez

Yasmin Asar

Mezzalina Vankan

Toby Kovacs

Nhan Trong Ly

Caitlyn Cherryh

Karen López

Maxim Adams

Programme – Day 1

```
09.40 - 10.30
               Lecture 1.1: Introduction to molecular phylogenetics
10.30 - 11.00
               Practical 1.1a: Sequence alignment in MEGA
               - Break -
11.15 - 12.00
               Lecture 1.2: Evolutionary models
12.00 - 12.30
               Lecture 1.3: Phylogenetic data
               - Lunch break -
13.15 - 14.00
               Lecture 1.4: Phylogenetic methods
               Lecture 1.5: Phylogenomics
14.00 - 14.30
               Practical 1.1b: Model selection and phylogenetics in MEGA
14.30 - 17.00
               Optional Practical 1.2: Phylogenomic analysis using ASTRAL
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Programme – Day 2

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09.30 - 10.30
               Lecture 2.1: Phylogenetic analysis with IQ-TREE
10.30 - 11.00
               Practical 2.1: IQ-TREE workshop tutorial
               - Break -
11.15 - 12.30
               Practical 2.1: IQ-TREE workshop tutorial (continued)
               - Lunch break -
13.15 – 14.15 Lecture 2.2: Bayesian phylogenetics
14.20 – 15.00 Lecture 2.3: Molecular dating
               Practical 2.2: Bayesian molecular dating using BEAST
15.00 - 17.00
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Things to note

- Facilities
- Breaks
- Wifi
- Software
- Support
- Questions

Workshop materials github.com/simon-ho/ SydneyPhyloWorkshop