

Thursday 28 – Friday 29 January 2021

Workshop overview

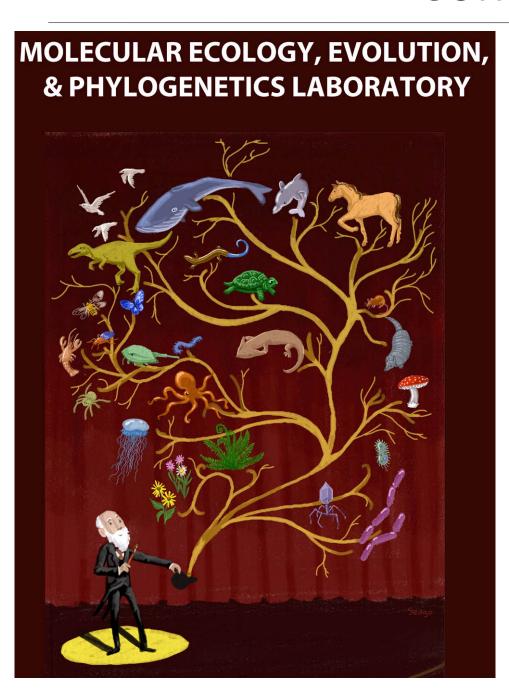
- Interpreting phylogenetic trees
- DNA sequence alignment
- Phylogenetic methods
- Bayesian phylogenetic analysis
- Molecular dating







Contributors



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Programme – Day 1

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Welcome
12.00 - 12.10
12.10 - 13.00
               Lecture 1.1: Introduction to molecular phylogenetics
               - Break -
13.15 – 14.00 Lecture 1.2: Evolutionary models
14.00 - 14.30
               Lecture 1.3: Phylogenetic data
               - Break -
               Lecture 1.4: Phylogenetic methods
14.45 - 15.30
               Seminar: Phylogenetic analysis with IQ-TREE
15.30 - 16.00
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Programme – Day 2

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12.00 - 13.00
               Lecture 2.1: Bayesian phylogenetic analysis
               - Break -
13.15 – 13.45 Lecture 2.2: Models and priors
13.45 – 14.30 Lecture 2.3: Molecular dating
               - Break -
14.45 – 15.15 Lecture 2.4: Calibrating the molecular clock
               Seminar: Phylodynamic analysis of viruses
15.15 - 15.45
               Questions
15.45 - 16.00
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Workshop materials

- Slides and practical exercises on Github https://github.com/simon-ho/SydneyPhyloWorkshop
- Work through practical exercises in your own time
 - Install software on your own computer
 - Data files available on Github
 - Brief video introduction provided
 - Answers provided after the workshop
- Recordings of talks will be available after the workshop

Zoom webinar format

- Submit questions during webinar
- Questions are only visible to presenters
- Some questions will be answered after each webinar