

Thursday 27 – Friday 28 July 2023

Workshop overview

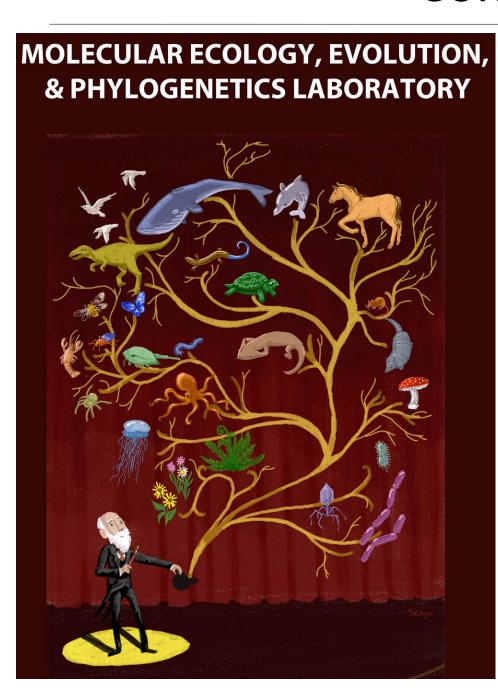
- Interpreting phylogenetic trees
- Molecular evolution and evolutionary models
- Phylogenetic data
- Phylogenetic methods
- Molecular dating







Contributors



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Programme – Day 1

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09.40 - 10.30
               Lecture 1.1: Introduction to molecular phylogenetics
10.30 - 11.00
               Practical 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
14.30 – 17.00 Practical 1b: Model selection and phylogenetics in MEGA
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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