



UNIVERSITY OF SYDNEY

Thursday 28 – Friday 29 January 2021

Overview

This 2-day workshop will provide an introduction to phylogenetic analysis, including practical exercises based on the software *MEGA* and *BEAST 2*. It is primarily aimed at research students and postdoctoral researchers, but other prospective attendees are welcome. Prior knowledge of basic phylogenetics is helpful but not essential.

The workshop will comprise a series of lectures (delivered in Zoom webinar form) and practical exercises (provided in the form of self-guided tutorials). The first day will cover interpreting phylogenetic trees, molecular data, sequence alignment, evolutionary models, and phylogenetic methods, and maximum-likelihood analysis using IQ-TREE. The second day will provide an introduction to Bayesian phylogenetic analysis and will include models and priors, molecular clocks, estimating timescales, and pathogen phylodynamics.

Speakers

Simon Ho and Fred Jaya (University of Sydney)
Minh Bui (Australian National University)
David Duchêne (University of Copenhagen)
Barbara Brito-Rodriguez (University of Technology Sydney)

Registration

The workshop is free but limited to 100 participants. Please register at bit.ly/spw2021

For more information, please visit meep.sydney.edu.au/workshops