

July 18-20 – Module 10: Reconstructing Transmission with Genomic Data – Schedule

All times are **Pacific Daylight Time**.

Module website: <https://jessicastockdale.github.io/SISMID2022-transmission-genomics>

Time	Monday	Tuesday	Wednesday
8:00-9:00	Welcome and Lecture 1: An introduction to reconstructing transmission with genomic data (live on Zoom)	Exercise 2 Contd. (live on Zoom)	Exercise 4 Contd. (live on Zoom)
9:00-9:15	break	break	break
9:15-10:15	Exercise 1: reconstructing paths of transmission (live on Zoom)	Lecture 4: Phylogenetic trees and methods to build them (video lecture)	Research frontiers (format TBC)
10:15-10:30	break	break	break
10:30-11:20	Lecture 2: Introduction to genomics (video lecture)	Exercise 3: phylogenetic tree reconstruction (live on Zoom)	Wrap-up and group discussion: what methods work when and why? (live on Zoom)
11:20-11:50	break	break	
11:50-12:40	Lecture 3: Non-phylogenetic transmission reconstruction (video lecture)	Lecture 5: TransPhylo and the math behind it (video lecture)	
12:40-13:10	break	break	
13:10-14:00	Open work and discussion session (live on Zoom)	Open work and discussion session (live on Zoom)	
14:00-14:30	Exercise 2: computational methods for outbreak reconstruction (live on Zoom)	Exercise 4: TransPhylo for outbreak reconstruction (live on Zoom)	