

July 7-9 – Module 4: Reconstructing Transmission with Genomic Data – Schedule

All times are **Pacific Daylight Time**.

Module website: <https://jessicastockdale.github.io/SISMID2021-transmission-genomics>

Time	Wednesday	Thursday	Friday
8:00-8:50		Lecture 3: Non-phylogenetic transmission reconstruction (video lecture)	Exercise 4: TransPhylo for outbreak reconstruction (live on Zoom)
8:50-9:05		break	break
9:05-9:55		Open work and discussion session (live on Zoom)	Open work and discussion session (live on Zoom)
9:55-10:10		break	break
10:10-11:00		Exercise 2: computational methods for outbreak reconstruction (live on Zoom)	Exercise review (live on Zoom)
11:00-11:30		break	break
11:30-12:20	Welcome and Lecture 1: An introduction to reconstructing transmission with genomic data (live on Zoom)	Lecture 4: Phylogenetic trees and methods to build them (video lecture)	Research forefronts 1: Challenges in clustering COVID-19 genomic data (live on Zoom)
12:20-12:35	break	break	break
12:35-1:25	Exercise 1: reconstructing paths of transmission (live on Zoom)	Exercise 3: phylogenetic tree reconstruction (live on Zoom)	Research forefronts 2: Serial intervals and genomic data (format TBC)
1:25-1:40	break	break	break
1:40-2:30	Lecture 2: Introduction to genomics (video lecture)	Lecture 5: TransPhylo and the math behind it (video lecture)	Wrap-up and group discussion: what methods work when and why? (live on Zoom)