



## NTHRYS WORKSHOPS

# Phylodynamics Of Emerging Infectious Diseases

### 8:45 AM - 10:15 AM: Session 1: Phylodynamic Analysis of Emerging Pathogens

Hands-on workshop on emerging pathogens.

Protocols for studying the evolutionary dynamics of newly emerging infectious diseases using phylodynamic models.

### 10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Zoonotic Spillover Events and Phylodynamics

Practical session on zoonotic diseases.

Protocols for modeling zoonotic spillover events and tracking the early transmission dynamics of emerging zoonotic pathogens.

### 12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Genetic Diversity and Evolution of Emerging Viruses**

Hands-on training on viral diversity.

Protocols for analyzing the genetic diversity of emerging viruses and studying their evolutionary potential using phylodynamics.

### **2:30 PM - 2:45 PM: Short Break**

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Forecasting Future Outbreaks Using Phylodynamics**

Practical session on outbreak forecasting.

Protocols for using phylodynamic models to predict the likelihood and timing of future outbreaks of emerging infectious diseases.

### **4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break**

Last networking opportunity with snacks.

### **4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption**

Group discussions on implementing new techniques learned today.

Dialogue on overcoming challenges in adopting new technologies in similar sectors.

Feedback session and closing remarks.

Certificate Issue

### **5:30 PM: Workshop Concludes**