



## NTHRYS WORKSHOPS

# Advanced Techniques In Comparative Genomics

### **8:45 AM - 10:15 AM: Session 1: Genome Alignment and Annotation**

Introduction to advanced techniques in genome alignment and annotation.  
Practical demonstration of multiple sequence alignment and functional annotation.

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

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: Comparative Genomic Hybridization (CGH)**

Overview of CGH and its applications.  
Hands-on workshop on using CGH for detecting genomic variations and structural differences.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Phylogenomics**

Introduction to phylogenomics and its role in comparative genomics.

Practical session on constructing phylogenetic trees and analyzing genomic data.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Comparative Genomics in Medicine**

Discussion on the applications of comparative genomics in medicine.  
Case studies on using comparative genomics to identify disease genes and develop therapeutic strategies.

### **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**