



## NTHRYS WORKSHOPS

# Emerging Trends In Comparative Genomics

### 8:45 AM - 10:15 AM: Session 1: Single-Cell Comparative Genomics

Introduction to single-cell comparative genomics and its applications.  
Practical session on analyzing single-cell genomic data across species.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Metagenomics and Comparative Genomics

Overview of metagenomics in the context of comparative genomics.  
Hands-on workshop on comparing metagenomic datasets from different environments.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Functional Genomics in Comparative Studies

Discussion on functional genomics approaches in comparative genomics.  
Practical exercises on linking genomic variations to phenotypic traits.

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

Time for a stretch and informal discussions.

**2:45 PM - 4:15 PM: Session 4: Future Directions in Comparative Genomics**

Exploration of future trends and innovations in comparative genomics.

Case studies on cutting-edge research and its impact on evolutionary biology and medicine.

**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**