



## NTHRYS WORKSHOPS

# Advanced Techniques In Ethnicity Prediction

### 8:45 AM - 10:15 AM: Session 1: High-Resolution Ancestry Analysis

Introduction to high-resolution techniques for ancestry analysis.  
Hands-on session on using next-generation sequencing for ethnicity prediction.  
Practical demonstration of data analysis and interpretation.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Y-Chromosome and Mitochondrial DNA

Exploring the use of Y-chromosome and mitochondrial DNA in ancestry testing.  
Workshop on analyzing paternal and maternal lineages.  
Case studies on the applications of Y-DNA and mtDNA in ancestry research.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Admixture Analysis

Hands-on session on admixture analysis techniques.

Exploring methods for detecting mixed ancestry.  
Practical applications of admixture analysis in population genetics.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Computational Tools for Ethnicity Prediction**

Workshop on computational approaches for ethnicity prediction.  
Practical use of algorithms and software tools.  
Case studies on the development and application of computational methods.

### **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**