



## NTHRYS WORKSHOPS

# Introduction To Evolutionary Studies

### 8:45 AM - 10:15 AM: Session 1: Fundamentals of Evolution

Overview of the principles of evolutionary biology.  
Hands-on session on natural selection and genetic drift.  
Introduction to the fossil record and phylogenetics.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Molecular Evolution

Interactive session on molecular mechanisms of evolution.  
Workshop on studying DNA sequence evolution.  
Practical demonstration of molecular clock techniques.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Evolutionary Ecology

Exploring the interactions between organisms and their environment.

Hands-on training on analyzing ecological data.  
Case studies on adaptive traits and ecological niches.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Human Evolution**

Workshop on the evolutionary history of humans.  
Practical techniques for studying hominid fossils.  
Case studies on genetic and archaeological evidence of human evolution.

### **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**