



## NTHRYS WORKSHOPS

# Advanced Techniques In Sequence Profiling

### 8:45 AM - 10:15 AM: Session 1: Advanced Sequencing Technologies

Advanced techniques in sequencing technologies.  
Practical session on long-read sequencing and single-cell sequencing.  
Troubleshooting and optimizing sequencing processes.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Epigenetic Profiling

Overview of epigenetic profiling techniques.  
Practical session on bisulfite sequencing and chromatin immunoprecipitation (ChIP-Seq).  
Case studies on epigenetic regulation.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Metagenomics and Environmental Sequencing

Using sequencing technologies to study microbial communities.

Practical session on metagenomic sample preparation and analysis.  
Case studies on environmental sequencing.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Biotechnology in Sequence Profiling**

Strategies for integrating biotechnology in sequence profiling.  
Case studies on biotechnological applications.  
Future trends and challenges in the field.

### **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**