



## NTHRYS WORKSHOPS

# Introduction To Environmental Bioinformatics

### **8:45 AM - 10:15 AM: Session 1: Fundamentals of Environmental Bioinformatics**

Overview of environmental bioinformatics principles and applications.  
Hands-on session on data collection and management.  
Introduction to bioinformatics tools used in environmental studies.

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

Networking and refreshments.

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

Interactive session on genomics and metagenomics in environmental research.  
Workshop on sequencing technologies for environmental samples.  
Practical demonstration of metagenomic data analysis.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Bioinformatics Software and Databases**

Exploring key bioinformatics software and databases.  
Hands-on training on using bioinformatics tools for environmental data.  
Case studies on integrating bioinformatics in environmental research.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Applications of Environmental Bioinformatics**

Workshop on various applications of bioinformatics in environmental research.  
Practical techniques for studying environmental impact on organisms.  
Case studies on successful environmental bioinformatics projects.

### **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**