



## NTHRYS WORKSHOPS

# Advanced Techniques In Agricultural Bioinformatics

### **8:45 AM - 10:15 AM: Session 1: Next-Generation Sequencing**

Introduction to NGS technologies and their applications in agriculture.  
Practical demonstration of NGS data analysis workflows.

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

Networking and refreshments.

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

Hands-on workshop on functional genomics techniques and tools.  
Applications of transcriptomics and proteomics in agricultural research.

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

Catered lunch and networking opportunity.

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

Introduction to advanced bioinformatics software for agricultural research.

Practical session on using bioinformatics tools for data integration and visualization.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Computational Biology in Agriculture**

Exploration of computational models and simulations in agricultural bioinformatics.  
Case studies on the application of computational biology in crop and livestock improvement.

### **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**