



## NTHRYS WORKSHOPS

# Introduction To Agricultural Bioinformatics

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

Introduction to basic bioinformatics concepts and tools.  
Hands-on training on sequence alignment and database searches.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Genomics in Agriculture

Overview of genomics applications in crop and livestock improvement.  
Practical exercises on genome annotation and analysis.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Data Management and Analysis

Introduction to data management tools and techniques for large-scale agricultural data.  
Hands-on session on data analysis using bioinformatics software.

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

Time for a stretch and informal discussions.

**2:45 PM - 4:15 PM: Session 4: Case Studies and Applications**

Case studies on successful applications of bioinformatics in agriculture.  
Discussion on future trends and challenges in agricultural bioinformatics.

**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**