



## NTHRYS WORKSHOPS

# Practical Techniques In Systems Biology

### 8:45 AM - 10:15 AM: Session 1: Introduction to Systems Biology

Overview of systems biology and its significance.  
Techniques for studying biological systems.  
Case studies on systems biology research and applications.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Computational Modeling

Hands-on techniques for computational modeling of biological systems.  
Practical session on using software tools for modeling.  
Discussion on optimizing computational models.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Data Integration in Systems Biology

Introduction to data integration techniques.

Practical demonstration of integrating multi-omics data.  
Case studies on data integration in systems biology.

### **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**

Review of significant case studies in systems biology.  
Applications in biotechnology and medicine.  
Future trends and research directions.

### **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**