



## NTHRYS WORKSHOPS

# Integrative Approaches In Synthetic Biological Circuits

### 8:45 AM - 10:15 AM: Session 1: Multi-Omics Data Integration

Introduction to multi-omics data integration.  
Practical session on combining genetic, epigenetic, and proteomic data.  
Case studies on integrative approaches.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Synthetic Biological Circuits and Ecology

Exploring the intersection of synthetic biological circuits and ecology.  
Case studies on ecological applications.  
Practical session on ecological data analysis.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Computational Tools and Resources**

Overview of computational tools for synthetic biological circuits.  
Hands-on session with popular software and databases.  
Discussion on best practices and resources.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Future Trends and Collaborations**

Discussion on future trends in synthetic biological circuits.  
Strategies for fostering collaborations.  
Networking session for potential partnerships.

### **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**