



## NTHRYS WORKSHOPS

# Innovations In Functional Genomics

### **8:45 AM - 10:15 AM: Session 1: Emerging Technologies in Functional Genomics**

Introduction to emerging technologies for functional genomics.  
Hands-on session on using advanced analytical techniques for gene function analysis.  
Case studies on innovative applications of new technologies in functional genomics.

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

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: AI and Machine Learning in Functional Genomics**

Exploring the role of AI and machine learning in functional genomics.  
Workshop on developing predictive models for gene function analysis.  
Case studies on the application of AI in functional genomics research.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Integrative Omics in Functional Genomics**

Hands-on session on integrating multi-omics data in functional genomics.  
Exploring techniques for combining genomics, proteomics, and metabolomics.  
Practical applications of integrative omics in functional genomics.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Future Directions in Functional Genomics**

Discussion on emerging trends and future directions in functional genomics.  
Workshop on integrating new technologies in functional genomics research.  
Case studies on the potential impact of future innovations in functional genomics.

### **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**