

## NTHRYS WORKSHOPS

# Advanced Techniques In Functional Genomics

### 8:45 AM - 10:15 AM: Session 1: High-Throughput Functional Genomics

Introduction to high-throughput techniques for functional genomics.  
Hands-on session on using next-generation sequencing and other high-throughput methods.  
Practical demonstration of data analysis and interpretation.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Integrative Omics in Functional Genomics

Exploring integrative omics approaches in functional genomics.  
Workshop on using multi-omics data for gene function analysis.  
Case studies on the integration of omics data 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: Computational Approaches in Functional Genomics**

Hands-on session on computational approaches for functional genomics.  
Exploring bioinformatics tools and algorithms for gene function analysis.  
Practical applications of computational functional genomics in research.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Structural Genomics and Gene Function**

Workshop on using structural genomics to understand gene function.  
Practical techniques for studying protein structures and interactions.  
Case studies on the role of structural genomics in functional genomics research.

### **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**