



## NTHRYS WORKSHOPS

# Exomics For Cancer Research

### 8:45 AM - 10:15 AM: Session 1: Tumor Exome Sequencing Protocols

Hands-on workshop on exome sequencing of tumor samples.  
Protocols for extracting DNA from tumor tissues and running exome sequencing to identify driver mutations.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Somatic vs Germline Variant Detection in Exomics

Practical session on distinguishing between somatic and germline variants.  
Protocols for analyzing paired tumor-normal samples and identifying clinically actionable mutations.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Targeted Therapies Based on Exomic Data**

Hands-on training on linking exomic data to targeted therapies.  
Protocols for identifying genetic variants that guide the use of targeted cancer treatments.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Exomic Biomarkers for Cancer Prognosis**

Practical session on using exome sequencing to discover biomarkers.  
Protocols for identifying exome-based biomarkers associated with cancer prognosis and treatment outcomes.

### **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**