



## NTHRYS WORKSHOPS

# Machine Learning In Biomedical Research

### 8:45 AM - 10:15 AM: Session 1: Role of Machine Learning in Biomedical Research

Overview of the importance of machine learning in biomedical research.  
Hands-on session on studying disease mechanisms using ML.  
Case studies on the impact of machine learning in biomedical research.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Machine Learning in Genomics

Exploring the role of machine learning in genomics.  
Workshop on using ML techniques to analyze genomic data.  
Case studies on the applications of machine learning in genomics.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Machine Learning in Drug Discovery**

Hands-on session on the use of machine learning in drug discovery.  
Exploring techniques for predicting drug efficacy and safety.  
Practical applications of machine learning in developing new drugs.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Clinical Applications of Machine Learning**

Workshop on translating machine learning research into clinical practice.  
Practical techniques for using machine learning in clinical settings.  
Case studies on the impact of machine learning on medical treatments.

### **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**