



## NTHRYS WORKSHOPS

# Emerging Trends In Connectomics

### **8:45 AM - 10:15 AM: Session 1: Connectomics and Machine Learning**

Introduction to machine learning applications in connectomics.  
Hands-on workshop on using machine learning for connectome analysis and prediction.

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

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: Connectomics and Computational Neuroscience**

Overview of computational neuroscience approaches to studying brain connectivity.  
Practical session on building computational models of brain networks.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Connectomics in Neurodevelopment**

Discussion on connectomics research in understanding brain development and plasticity.  
Case studies on connectome changes during development and aging.

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

Time for a stretch and informal discussions.

**2:45 PM - 4:15 PM: Session 4: Connectomics and Brain-Computer Interfaces**

Exploration of brain-computer interface applications in connectomics.

Practical exercises on using connectomics data for controlling brain-computer interfaces.

**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**