



## NTHRYS WORKSHOPS

# Advanced Techniques In Tissue Engineering

### 8:45 AM - 10:15 AM: Session 1: Advanced Cell Culture Techniques

Advanced techniques for culturing and differentiating cells.  
Practical session on using bioreactors and 3D culture systems.  
Troubleshooting and optimizing advanced cell culture techniques.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Biomaterials in Tissue Engineering

Overview of biomaterials used in tissue engineering.  
Practical session on selecting and using biomaterials.  
Case studies on biomaterial applications.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Vascularization and Integration

Techniques for promoting vascularization and integration of tissue constructs.

Practical session on angiogenesis assays and co-culture systems.  
Case studies on vascularized tissue constructs.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Biotechnology in Tissue Engineering**

Strategies for integrating biotechnology in tissue engineering.  
Case studies on biotechnological applications.  
Future trends and challenges in the field.

### **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**