



## NTHRYS WORKSHOPS

# Practical Techniques In Stem Cell Transformations

### 8:45 AM - 10:15 AM: Session 1: Introduction to Stem Cell Transformations

Overview of stem cell transformations and their significance.  
Techniques for inducing pluripotency and differentiation.  
Case studies on stem cell transformation applications.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Cell Culture Techniques

Hands-on techniques for culturing stem cells.  
Practical session on maintaining stem cell lines.  
Discussion on optimizing cell culture conditions.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Genetic Modification of Stem Cells**

Introduction to genetic modification techniques.  
Practical demonstration of CRISPR and other gene editing tools.  
Case studies on genetic modification of stem cells.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Case Studies and Applications**

Review of significant case studies in stem cell transformations.  
Applications in regenerative medicine and disease modeling.  
Future trends and research directions.

### **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**