



## NTHRYS WORKSHOPS

# Drug Designing In Medicinal Chemistry

### 8:45 AM - 10:15 AM: Session 1: Medicinal Chemistry Principles

Overview of medicinal chemistry and its role in drug design.  
Hands-on session on synthesizing small molecules.  
Practical techniques for optimizing chemical properties.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Lead Optimization

Exploring strategies for lead compound optimization.  
Workshop on modifying chemical structures for better activity.  
Case studies on optimizing lead compounds for drug development.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Natural Products in Drug Design

Hands-on session on isolating and characterizing natural products.

Exploring the use of natural products as drug leads.  
Case studies on successful natural product-derived drugs.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Synthetic Biology and Drug Design**

Workshop on using synthetic biology for drug design.  
Practical techniques for engineering biological systems.  
Case studies on innovative synthetic biology applications in drug development.

### **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**