



NTHRYS WORKSHOPS

Advanced Techniques In Bioengineering

8:45 AM - 10:15 AM: Session 1: Genetic and Cellular Engineering

Introduction to genetic and cellular engineering techniques.
Practical demonstration of CRISPR and stem cell technologies.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Biofabrication and 3D Printing

Overview of biofabrication methods and 3D printing in bioengineering.
Hands-on workshop on using 3D printers for biological applications.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Computational Bioengineering

Introduction to computational tools in bioengineering.
Practical session on modeling biological systems and data analysis.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Biomechanics and Biorobotics

Discussion on the principles of biomechanics and biorobotics.

Case studies on designing and testing robotic systems for biological applications.

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