



NTHRYS WORKSHOPS

Molecular Modelling For Biomaterials And Tissue Engineering

8:45 AM - 10:15 AM: Session 1: Modelling Biomaterials for Tissue Scaffolds

Hands-on workshop on molecular modelling of biomaterials.
Protocols for designing and simulating tissue scaffold materials at the molecular level.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Simulating Biodegradation of Biomaterials

Practical session on modelling the biodegradation of biomaterials.
Protocols for simulating the degradation processes of biodegradable polymers and tissues.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Molecular Modelling of Biointerfaces

Hands-on training on studying biointerfaces.

Protocols for simulating the interactions between biomaterials and biological molecules, such as proteins and cells.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Predicting Mechanical Properties of Biomaterials

Practical session on predicting the mechanical properties of biomaterials.
Protocols for using molecular modelling to calculate the tensile strength, elasticity, and durability of biomaterials.

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