



NTHRYS WORKSHOPS

Mathematical Modelling In Biomedical Research

8:45 AM - 10:15 AM: Session 1: Role of Mathematical Modelling in Biomedical Research

Overview of the importance of mathematical modelling in biomedical research.
Hands-on session on studying disease mechanisms using models.
Case studies on the impact of mathematical modelling in biomedical research.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Modelling in Pharmacokinetics and Pharmacodynamics

Exploring the role of mathematical modelling in pharmacokinetics and pharmacodynamics.
Workshop on using models to predict drug behavior and effects.
Case studies on the applications of mathematical modelling in drug development.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Modelling Biological Systems

Hands-on session on the use of mathematical modelling in studying biological systems.
Exploring techniques for modelling cellular and molecular processes.
Practical applications of mathematical modelling in biology.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Clinical Applications of Mathematical Modelling

Workshop on translating mathematical modelling research into clinical practice.
Practical techniques for using models in clinical settings.
Case studies on the impact of mathematical modelling on medical treatments.

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