



NTHRYS WORKSHOPS

Innovations In Mathematical Modelling

8:45 AM - 10:15 AM: Session 1: Emerging Technologies in Mathematical Modelling

Introduction to emerging technologies in mathematical modelling.
Hands-on session on using advanced tools and techniques in modelling research.
Case studies on innovative applications of new technologies in mathematical modelling.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: AI and Machine Learning in Mathematical Modelling

Exploring the role of AI and machine learning in mathematical modelling.
Workshop on developing predictive models using AI and ML.
Case studies on the applications of AI in enhancing mathematical modelling.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Integrative Omics in Mathematical Modelling

Hands-on session on integrating multi-omics data in mathematical modelling.
Exploring techniques for combining genomics, proteomics, and metabolomics.
Practical applications of integrative omics in modelling research.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Future Directions in Mathematical Modelling

Discussion on emerging trends and future directions in mathematical modelling.
Workshop on integrating new technologies in modelling research.
Case studies on the potential impact of future innovations in mathematical modelling.

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