Innovations In Molecular Dynamics

8:45 AM - 10:15 AM: Session 1: Emerging Technologies in Molecular Dynamics

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

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 Molecular Dynamics

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

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Integrative Omics in Molecular Dynamics

Hands-on session on integrating multi-omics data in molecular dynamics.
Exploring techniques for combining genomics, proteomics, and metabolomics.
Practical applications of integrative omics in molecular dynamics 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 Molecular Dynamics

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

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