Introduction To Motif Prediction

8:45 AM - 10:15 AM: Session 1: Basics of Motif Prediction

Overview of motif prediction principles and applications.
Hands-on session on identifying and analyzing biological motifs.
Introduction to the importance of motif prediction in understanding regulatory elements.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Techniques in Motif Prediction

Interactive session on techniques used in motif prediction.
Workshop on using MEME, FIMO, and other software tools.
Practical demonstration of motif prediction techniques.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Motif Discovery in Genomic Sequences

Exploring motif discovery in genomic sequences.

Hands-on training on identifying motifs in DNA, RNA, and protein sequences.
Case studies on the role of motif prediction in genomic research.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Functional Analysis of Motifs

Workshop on functional analysis of motifs.
Practical techniques for studying the biological significance of identified motifs.
Case studies on the applications of motif prediction in understanding gene regulation.

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