

ONE DAY WORKSHOP

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PROTEIN STRUCTURE MODELING AND VISUALIZATION

This course is for those interested in learning more about the application of structural information in their work and how to model protein structures using homology modeling approach, visual investigation of 3D molecular structures of proteins, and their interaction with each other, with ligands, substrates, and drugs. Participants will learn how to create publication-quality molecular images. No previous experience in the field of structural bioinformatics is required, but a basic knowledge of protein structure is an advantage. Experience with a UNIX-like command-line environment is not required, but it helps to type the commands into the modeling concepts and biology.

1

Homology modeling

2

Protein structure vizualisation

3

Analysis of biochemical properties of protein structure and its interactions with ligands

4

Hands-on training



30 - NOVEMBER - 2021

SCHEDULE

9:30 am

Homology modeling

10:00 am – 11:00 am

Protein structure vizualisation

11:30 am – 12:30 pm

Analysis of biochemical properties of protein structure and its interactions with ligands

12:30 pm – 1:30 pm

Hands-on Training

1:30 pm – 2:00 pm

Interactive session

FEES

500 INR for students and academicians

2500 INR for non-academics

100 \$ for Foreign participants

Mode : Virtual

Register

More Info

Last date to apply: 25 November 2021

Bioinformatics Facility,
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