



LOOK BACK TO MOVE FORWARD AND SOAR



Online Bioinformatics Webinar Molecular Dynamic Simulation

Indian Women Scientists' Association

6th November 2022

IWSA, an NGO established in 1973 with eleven branches in the country, carries out a variety of activities, including popular science lectures, conferences, workshops and refresher courses (www.iwsa.net). The latest activity of bioinformatics workshops for post graduate students focussed on High throughput biology & RNA Seq data analysis in the past years.

This webinar will introduce participants on training for 'Molecular Dynamic Simulation' using open access software and will be conducted in association with **Lake Water** Bioinformatics, computational skill development resource for biologists. (www.lakewaterbioinformatics.weebly.com).

Molecular Dynamics is the study of motion of atoms and molecules under the influence of attraction and repulsion forces. Proteins which are the effector molecules of all living systems are the major macromolecules contributing in intercellular and intracellular interactions. Each interaction with water, salt, ions, drugs or metals is unique and influences the function of the proteins. Through this workshop we aim to train students to efficiently use Dynamic tools to simulate protein structures, conduct result analysis and interpretation, and use all of the above to design individual research projects using the newly learned skill.

The Webinar will cover: -

- **Discussion** about proteins & their structural applications.
- **Understanding** aspects of Molecular Dynamic simulations using GROMACS.
- **Lecture and Demonstration** of dynamic system building and simulation time; Basic and advanced data analysis for MD.

Interested researchers are requested to register by filling [the form](#) after completing the fee payment.

For any query please drop an email at lakewaterbioinformatics@gmail.com

Registration fees of Rs 300/- (Including 18% GST)

Fee Payment to be made before form filling :-

Name of the bank: Bank of India

Account number: 008910100014529

IFSC code: BKID0000089

Name of the account: IWSA Training Programme



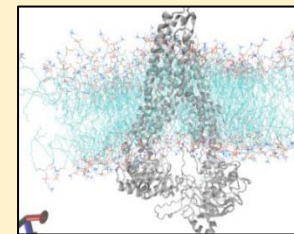
Molecular Dynamics Webinar

LakeWater

Where others can not MD can



How does a protein function?
How do proteins interact?



**If protein biology fascinates you;
Let's achieve the dynamic edge**

Lake Water Bioinformatics In association with IWSA
is organizing an Online Webinar on **6th November 2022**

Registration fees of Rs 300/- (Including 18% GST)

In case of any queries further, please feel free to write to us at
lakewaterbioinformatics@gmail.com

Apply now by using the link [REGISTER](#)

To keep efficient learning environment only limited number of students will be accepted for participation.
Register ASAP!

