NATIONAL COLLEGE OF PHARMACY

Approved by Pharmacy Council of India, AICTE, DME & Govt. of Kerala, Affiliated to Kerala University of Health Sciences, Accredited by NBA

Hands-on Training on **Molecular Modeling Techniques in Drug Discovery**

24th, 25th April 2023 | 9 AM to 4 PM

Venue: Seminar Hall

Resource person

Dr. Abi T G

Assistant Professor and Research Guide in Chemistry
Sacred Heart College (Autonomous)
Thevara, Kochi-13

Organised by

Organised by IQAC and Department of Pharmaceutical Chemistry, National College of Pharmacy

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Introduction

We are pleased to invite post-graduate students from colleges offering a post-graduate degree in pharmaceutical chemistry to participate in our two-day hands-on training program on molecular modeling techniques in drug discovery

Docking is a powerful software tool widely used in the pharmaceutical industry for predicting the binding of small molecules to macromolecular targets. Our training program aims to equip students with the essential knowledge and skills required to use different molecular modeling softwares, making it an integral part of the pharmaceutical chemistry curriculum.

Importance of Docking (Autodock) in the Pharmaceutical Chemistry Curriculum:

Docking(AutoDock) plays a critical role in the drug discovery process. It enables pharmaceutical chemists to predict how a drug molecule may interact with its target protein, facilitating the development of new drugs. Therefore, it is essential for post-graduate students studying pharmaceutical chemistry to receive training in the use of this software tool.

Training Program Details

Our two day training program will consist of both theoretical and practical sessions. In the theoretical sessions, students will learn the fundamental concepts of molecular modelling, docking, and simulation. In the practical sessions, students will gain hands-on experience in using AutoDock to perform docking simulations and analyze the results.

Target Audience

This training program is designed for post-graduate students from colleges offering a post-graduate degree in pharmaceutical chemistry. The program is ideal for students who wish to acquire advanced knowledge and practical skills in molecular modelling.

Scan to Register

The registration fee for the training program is Rs **700** per student.

The deadline for registration is **22/04/2023**

Account Details

ACCOUNT NAME	**: NATIONAL COLLEGE OF PHARMACY**
BANK	**: UNION BANK OF INDIA, MANASSERY BRANCH**
A/C NO	**: 210111100000025**
IFS CODE	**: UBIN0821012**

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