Cheminformatics Summer Training Program

This program is designed for students and early-career professionals to gain fundamental skills in cheminformatics, focusing on molecular docking, QSAR modeling, and virtual screening techniques during the summer season.

Note: Below modules are designed keeping high end industrial professionals into consideration. Please refer individual protocols below for affordable prices.

Click Here for RDKit Training

Exclusive Cheminformatics Modules

Introduction to Cheminformatics

Kindly review the fees outlined for the individual protocols listed in this module.

- Basic concepts of molecular representation and chemical databases
- Introduction to molecular docking and molecular dynamics
- Understanding chemical descriptors and molecular fingerprints
- Role of cheminformatics in computational drug discovery

Hands-On Techniques for Summer Projects

Kindly review the fees outlined for the individual protocols listed in this module.

- Building basic QSAR models for activity prediction
- Data mining techniques for chemical databases
- Visualization and analysis of molecular structures
- Safety protocols and best practices in cheminformatics research

Applications in Drug Discovery and Materials Science

Kindly review the fees outlined for the individual protocols listed in this

module.

- Predicting ADME/Tox properties of chemical compounds
- Exploring cheminformatics applications in nanomaterials
- Machine learning approaches for molecular property prediction
- Case studies on cheminformatics applications in industry

Individual Protocols Under Cheminformatics Summer Training Program

1. Overview of cheminformatics applications in drug discovery | **Fee: Contact for fee**
2. Basic concepts of molecular representation and chemical databases | **Fee: Contact for fee**
3. Introduction to molecular docking and molecular dynamics | **Fee: Contact for fee**
4. Understanding chemical descriptors and molecular fingerprints | **Fee: Contact for fee**
5. Role of cheminformatics in computational drug discovery | **Fee: Contact for fee**
6. Performing molecular docking using open-source tools | **Fee: Contact for fee**
7. Building basic QSAR models for activity prediction | **Fee: Contact for fee**
8. Data mining techniques for chemical databases | **Fee: Contact for fee**
9. Visualization and analysis of molecular structures | **Fee: Contact for fee**
10. Safety protocols and best practices in cheminformatics research | **Fee: Contact for fee**
11. Using cheminformatics for virtual screening in pharmaceuticals | **Fee: Contact for fee**
12. Predicting ADME/Tox properties of chemical compounds | **Fee: Contact for fee**
13. Exploring cheminformatics applications in nanomaterials | **Fee: Contact for fee**
14. Machine learning approaches for molecular property prediction | **Fee: Contact for fee**
15. Case studies on cheminformatics applications in industry | **Fee: Contact for fee**

Please contact on +91-8977624748 for more details

Cant Come to Hyderabad? No Problem, You can do it in Virtual / Online Mode