Cheminformatics Research Training Program

This program is tailored for researchers aiming to specialize in cheminformatics, covering molecular simulations, AI-driven drug discovery, and quantum chemistry applications in pharmaceutical and materials science.

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

Computational Drug Discovery and Lead Optimization

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

- Binding free energy calculations for lead optimization
- De novo molecular design using AI-driven tools
- SAR and QSAR modeling for predictive drug design
- Exploring deep learning in molecular docking and screening

Quantum Chemistry Applications in Cheminformatics

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

- Molecular orbital analysis and reactivity prediction
- Computational spectroscopy and reaction mechanisms
- Machine learning applications in quantum chemistry
- Electronic structure calculations for biomolecular interactions

AI and Machine Learning in Cheminformatics

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

module.

- Deep learning applications in structure-based drug design
- Graph neural networks for molecular property prediction
- Automating chemical reaction discovery with AI
- Case studies on cheminformatics applications in biotech and pharma

Individual Protocols Under Cheminformatics Research Training Program

1. Advanced virtual screening and lead discovery methodologies | **Fee: Contact for fee**
2. Binding free energy calculations for lead optimization | **Fee: Contact for fee**
3. De novo molecular design using AI-driven tools | **Fee: Contact for fee**
4. SAR and QSAR modeling for predictive drug design | **Fee: Contact for fee**
5. Exploring deep learning in molecular docking and screening | **Fee: Contact for fee**
6. Ab initio and density functional theory (DFT) for molecular modeling | **Fee: Contact for fee**
7. Molecular orbital analysis and reactivity prediction | **Fee: Contact for fee**
8. Computational spectroscopy and reaction mechanisms | **Fee: Contact for fee**
9. Machine learning applications in quantum chemistry | **Fee: Contact for fee**
10. Electronic structure calculations for biomolecular interactions | **Fee: Contact for fee**
11. Developing predictive models for ADME/Tox profiling | **Fee: Contact for fee**
12. Deep learning applications in structure-based drug design | **Fee: Contact for fee**
13. Graph neural networks for molecular property prediction | **Fee: Contact for fee**
14. Automating chemical reaction discovery with AI | **Fee: Contact for fee**
15. Case studies on cheminformatics applications in biotech and pharma | **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