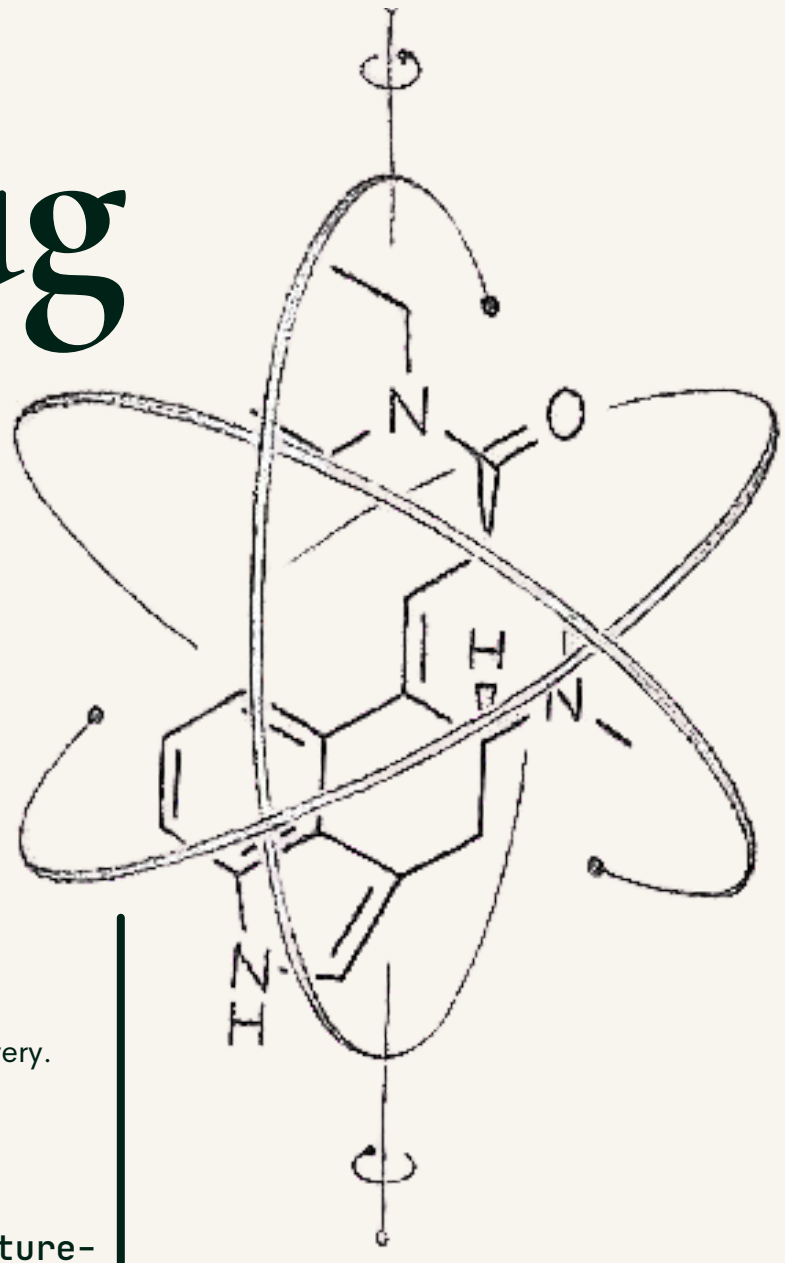
OMNIHEMEI EDUCATION

AI in Drug Discovery Bootcamp



AI • DRUGS • DISCOVERY

SYLLABUS HIGHLIGHTS

Explore the power of biological data and tools to drive real-world research and discovery.

AI & Drug Discovery:

Target identification, virtual screening, structure-based drug design & AI workflows

Protein Structure & Modelling:

PDB, 3D protein structures, binding pockets, domains, structure analysis & VMD visualization

Ligand & Chemical Data:

SMILES, PubChem, molecular properties, similarity searches & chemical datasets

Protein–Ligand Interactions:

Docking concepts, binding sites, ligand analysis,VMD & NAMD molecular dynamics

Hands-on Practice & Case Studies

Real datasets, computational workflows, AI-assisted analysis & drug-discovery case studies

Hands-on Practice & Case Studies

AI limitations, data quality, validation, reproducibility & responsible scientific use

DURATION

3 Day Workshop

MODE

Online

LEVEL

Beginner Friendly

WHO IS IT FOR?

Students • Researchers
Professionals • Enthusiasts

TOOLS & DATABASES YOU'LL WORK WITH

PubChem, RDKit, AlphaFold, RCSB PDB PROTEIN DATA BAN, ChEMBL, BindingDB

Taught By

Dr. Prathit Chatterjee

L5 RESEARCH SCIENTIST @ IIIT HYDERABAD

Extensive research in data driven drug discovery and bioinformatics.

Mr. Aakash Adhya

DUAL DEGREE RESEARCHER @ IISER BHOPAL

Extended hands-on and conceptual experience in AI/ML based coding, programming in real world biological applications

EARLY BIRD DISCOUNT

*Original Price: ~~₹2499~~

*Discounted Price: ₹1999

PER PARTICIPANT