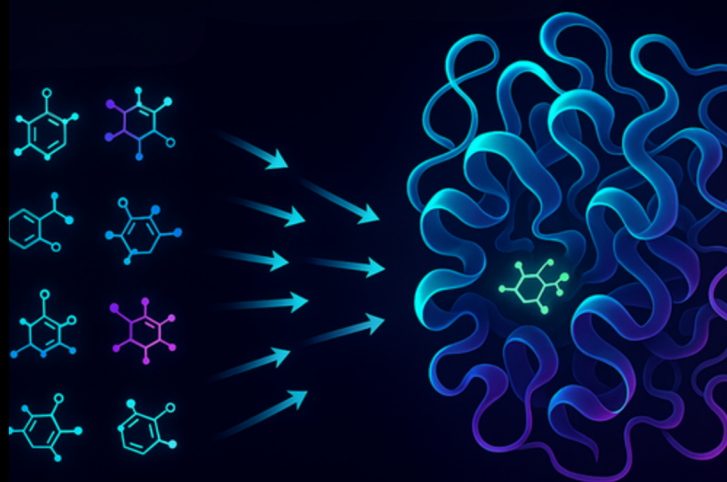




CENTRE OF
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RESEARCH &
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MOLECULAR DOCKING & VIRTUAL SCREENING

for
Drug Discovery



6 Days | 14 Nov.-21 Nov. 2025
Registration Closes: 13 Nov. 2025
6:00 - 7:00 PM (IST) | Monday to Friday

This comprehensive training covers computational drug discovery through molecular docking. Participants will learn protein and ligand preparation, implement docking protocols, perform virtual screening of compound libraries, and analyze results effectively. The course provides hands-on experience in complete molecular docking workflows, equipping learners with practical skills to identify potential drug candidates and conduct end-to-end docking projects in modern drug discovery.

Registration Process

Eligibility: Students pursuing B.Sc., B.Tech., M.Sc., M.Tech., PhD in life sciences/computer science as well as Teaching and Industry Professionals.

To get the application form and fee details and for any other queries, write to us at info@cbirt.net or call us at +91 6398142849.



Visit: www.cbirt.net/training

Topics

- ✓ Introduction to Drug Discovery & Molecular Docking | **Tool: ChimeraX**
- ✓ Protein Structure Preparation & Analysis | **Tools: RCSB PDB/ISDA, CASTp, ProLif, ChimeraX, Alphafold**
- ✓ Ligand Preparation & Database Management | **Tools: ChEMBL, PubChem, RDKit, SwissADME, Python-Jupyter**
- ✓ Molecular Docking Implementation | **Tools: AutoDock Vina, AutoDock4, Dock6**
- ✓ Virtual Screening Workflows | **Tools: AutoDock Vina, ZINC database, ChEMBL**
- ✓ Docking Results Analysis & Visualization | **Tools: ChimeraX, ProLif, LigPlot+, RdKit, Python-Jupyter**

Program Benefits

Certificates | Access to Live Sessions |
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Online Technical Support Post Training

Course Instructors

- Dr. Pawan Kumar, Bioinformatics Trainer, CBIRT
- Dr. Tamanna Anwar, Training Organizer & CoFounder, CBIRT



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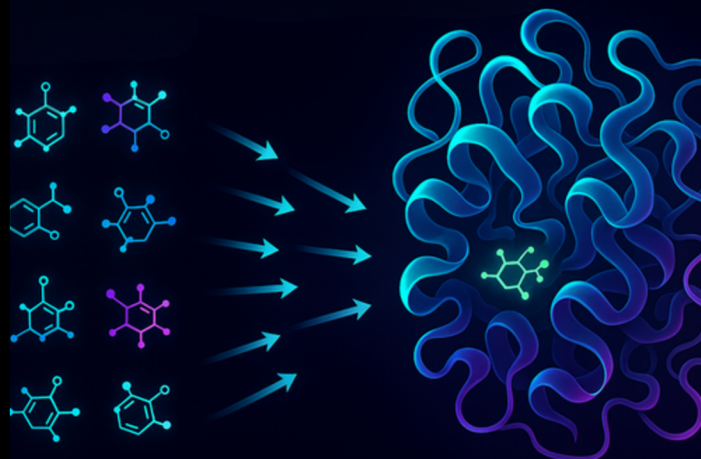
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for

Drug Discovery



Registration Process

To register for the workshop, please submit the registration form along with your payment details. We accept multiple payment methods to ensure a convenient and secure registration process.



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Registration Process



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INTERNATIONAL PARTICIPANTS

(Including all Living, Working, or Studying Abroad at the time of the Workshop).

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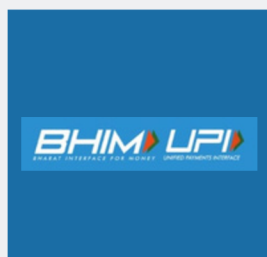
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