

HANDS-ON TRAINING ML-DRIVEN BIOACTIVITY PREDICTION: AI FROM DATA TO DISCOVERY

MASTER THE CUTTING-EDGE TECHNIQUES OF MACHINE
LEARNING FOR PHARMACEUTICAL AND BIOMEDICAL RESEARCH

online



Course Overview

Gain practical experience applying machine learning to predict the biological activity of chemical compounds for modern drug discovery.

Topics Covered

- ▷ Foundations of Bioactivity Prediction & Machine Learning
- ▷ Chemical Databases & Molecular Descriptor Generation
- ▷ Core ML Algorithms for Bioactivity Prediction
- ▷ Building & Evaluating Predictive Models
- ▷ ML-Driven Virtual Screening of Bioactive Compounds
- ▷ Molecular Docking Essentials
- ▷ In-Silico Toxicity Prediction
- ▷ Real-World Case Studies

Who Should Attend

- Pharmaceutical researchers and scientists
- Computational chemists and bioinformaticians
- Drug discovery professionals
- Graduate students in chemistry, biology, or related fields
- Data scientists interested in pharmaceutical applications

Program Benefits

- ▷ Certificates on Successful Completion
- ▷ REC Access to Live Sessions Recordings
- ▷ Online Technical Support Post Workshop.

Course Instructors

- Dr. Ajitha Antony - Bioinformatics Trainer, CBIRT
- Dr. Tamanna Anwar - Training Organizer & CoFounder, CBIRT

23 FEB. TO 9 MAR. 2026

Time: 6:00 - 7:00 PM (IST)

Duration: 2 Weeks

Mon. - Fri.

Deadline: 22 Feb. 2026

Tools

colab  jupyter 
Google Colab / Jupyter Notebook

 PaDEL  RDKit

Python  pandas 

 AutoDock Vina

Register Now



Visit: www.cbirt.net/training

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Training Registration

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.

Scan the QR Code for
the Registration Form



Registration Fee



STUDENTS
UPTO MASTERS
INR-2250

PH.D
INR-2500



POSTDOC/RESEARCH SCHOLARS
INR-2750



STAFF/FACULTY
INR-3000



INDUSTRY PROFESSIONALS
INR-3500



INTERNATIONAL PARTICIPANTS

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

STUDENTS

UPTO MASTERS
USD 45

PH.D
USD 50

POSTDOC/ RESEARCH SCHOLARS

USD 55

STAFF/FACULTY

USD 60

INDUSTRY PROFESSIONALS

USD 65

Payment Methods

SCAN QR CODE



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