

HANDS-ON TRAINING ML-DRIVEN BIOACTIVITY PREDICTION: 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
- ▶ ADME prediction

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
- ▶ Access to Live Sessions Recordings
- ▶ Online Technical Support Post Workshop.

Course Instructors

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

22 JUL. TO 4 AUG 2026

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

Duration: 2 Weeks

Mon. - Fri.

Deadline: 21 July 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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AI Model Training

Training Registration

To register for the workshop, please submit the registration form. 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