

# 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
-  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.

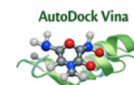
 **Deadline: 22 Feb. 2026**

## Tools

  
Google Colab / Jupyter Notebook







**Register Now**



Visit: [www.cbirt.net/training](http://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      PH.D  
INR-2250      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).

<b>STUDENTS</b>		<b>POSTDOC/ RESEARCH SCHOLARS</b>	<b>STAFF/FACULTY</b>	<b>INDUSTRY PROFESSIONALS</b>
UPTO MASTERS      PH.D				
USD 45      USD 50	USD 55	USD 60	USD 65	

## Payment Methods

### SCAN QR CODE



centreofbioinformaticsresearch@cnrb

### UPI ID



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