



## CSIR Integrated Skill India Initiative



### Certificate Course on Protein X-ray crystallography

#### Code – IICB-XRD-P

CSIR-IICB offers a training course in on Protein X-ray Crystallography to generate skilled human resources. The proper & expert protein X-ray crystallographers are very much needed in our pharmaceutical industry. The courses are targeted to candidates with background in any science subjects.

<b>Educational Qualifications</b>	: UG or PG (in any branch of Science/Technology/Pharmacy)
<b>Venue Of the course</b>	: CSIR-IICB Jadavpur Campus
<b>Age Group</b>	: 18 and above
<b>Partner</b>	: NA
<b>Training Curriculum</b>	: The course structure consists of both theoretical and hands on-training. It includes the entire process of protein crystallization to X-ray data collection and processing.
<b>Duration</b>	: 2 weeks(31 <sup>st</sup> July to 11 <sup>th</sup> Aug 2023)
<b>Course Fees</b>	: Rs 5000/- (Inclusive of GST)

#### The course will cover-

- ✓ Basic introduction to protein crystallization
- ✓ Introduction to modern instruments and techniques for protein crystallization.
- ✓ Hand on experience with Lysozyme or other available protein.
- ✓ Introduction to crystal and lattice.
- ✓ Protein crystals and X-ray diffraction
- ✓ X-ray diffraction data collection
- ✓ Data processing







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#### Salient Features of the course:

- ☐ Equal priority to theory and practical sessions
- ☐ Tutorials will be provided by eminent scientists .
- ☐ Hands-on training on relevant instruments
- ☐ Professional skill development, case study, evaluation and certification
- ☐ Lectures, assisted with multimedia aids
- ☐ Case studies
- ☐ Group discussions/interactive sessions
- ☐ **Seats Available : 10 (Shortlisting will be based on first come-first serve policy and eligibility criteria of the course)**
- ☐ Due to limited availability of seats, early registration through online application is recommended .
- ☐ Candidates can apply for multiple courses. In such cases, shortlisting will be based on fulfilment of eligibility conditions, availability of seat and number of single choice applicants for the course
- ☐ Admission process is completely online including the payment of fees.
- ☐ Once a candidate is shortlisted for a particular course, any request for change of course will not be accepted .
- ☐ Candidates cannot take admission simultaneously in two different courses
- ☐ **Only those candidates will be considered eligible for the course who have received at least single dose of COVID vaccination approved by Govt. of INDIA**
- **Refunds to the enrolled candidates will be made by the institute in case of cancellation of the course due to low batch strength. Such candidates will be informed about withdrawal of course and refund of fees within stipulated time.**

