



## Training on “Advanced Biophysical Tools for Protein-DNA/Bimolecular Interactions”

18<sup>th</sup>–22<sup>nd</sup> November 2024

The CSIR-Center for Cellular and Molecular Biology is conducting a hands-on training on "Advanced Biophysical Tools for Protein-DNA/Bimolecular Interactions" targeted to faculty members/researchers from universities/institutes/industries and interested individuals in the field of Life Sciences, Medical Sciences, Pharmaceutical Science & allied areas. This training caters to individuals with varying levels of expertise, offering education and training in a range of biophysical techniques within the domain of DNA/Protein Biophysics and demonstrating their applications in research projects. The program includes informative lectures, practical hands-on sessions, guidance on instrument setup, and in-depth instructions on data collection and analysis.

<b>No. of seats</b>	: 10-12
<b>Minimum Qualification</b>	: Masters in any branch of life Science/Allied areas
<b>Dates</b>	: 18 <sup>th</sup> –22 <sup>nd</sup> November 2024
<b>Mode of the Course</b>	: In-house training at CCMB
<b>Mode of selection</b>	: Application form & Statement of Purpose
<b>Course Fee</b>	: Rs. 18,000/

### Training Curriculum:

Curriculum includes lectures and hands-on sessions on:

- Basics of Biophysics
- Instrument set-up for various biophysical techniques such as ITC, MST, BLI, Fluorescence Spectroscopy, CD Spectroscopy, DLS along with Protein Modeling
- Sample preparation along with tips and tricks
- Data collection and hands on for all participants
- Data analyses and presentation

### Salient Features of the Training:

- Expert instructors will provide lectures and hands on training
- Certificate of participation will be issued to the participants
- Exposure to laboratory safety regulations
- One-to-one interaction with the trainers
- Evaluation assignments and Trouble-shooting sessions

**Training Coordinator:** Dr. Shiv Pratap Singh Yadav  
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### **Contact:**

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