



HANDS-ON TRAINING WORKSHOP ON RECOMBINANT PROTEIN EXPRESSION AND CHARACTERIZATION

(From 27th February - 3rd March 2023)



Purpose of Workshop -

As an extended arm of recombinant DNA technology, recombinant protein expression provides significant meaning to protein production and characterization studies. Using a bacterial model for expressing cloned genes is a baseline of any protein study work and this workshop is designed for the students and research scholars to understand the expression system and optimise the protein yield using different variables like media, condition and expression system with hands-on training.

Limited to 20 participant only (on first come first serve basis)

Rs 1500 Non-refundable workshop fee applicable

Registration deadline 26th Feb 2022 5:00 PM

Who Should Attend

Graduates, Post-Graduates & Research Scholars

THE 100% WHAT WILL YOU LEARN ?

INTRODUCTION TO PROTEIN EXPRESSION

25%

- Basic Hands-On handling of Micro-Pipette.
- Expression Vectors and Methods of Protein expression.
- Types of Expression Media and Its Function.
- Principal & Workflow of SDS-PAGE

PROTEIN EXPRESSION BY AUTO INDUCTION & LOCALIZATION

25%

- Principle & Workflow of Auto-Induction.
- Hands-On Media Preparation and Culturing.
- Hands-On Inoculation and Monitoring the Expression.
- Localization of Expressed Protein by POP-Solubilization.

PROTEIN EXPRESSION BY IPTG INDUCTION

25%

- Principle & Workflow of IPTG Induced Protein Expression.
- Media preparation and Type of Culturing.
- Hands-On Inoculation and Induction of Protein
- Monitoring the Expression Level by Spectroanalysis.

PROTEIN ANALYSIS ON SDS-PAGE & INTERPRETATION OF RESULTS

25%

- Observe the Expressed Protein by IPTG-Induction on SDS-Page a and Analyze Protein Concentration of IPTG Induced Protein.
- Observe the Localised Protein Samples of Auto-Induction on SDS Page & Determone the cooncentration and Type of protein.

Organized by-

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<https://www.ioe.du.ac.in/delhi-school-of-skill-enhancement-entrepreneurship-development/>



For registration, please visit the given link or scan the QR
<https://forms.gle/4G2v1KJEUeAPjtjK8>



Venue: University of Delhi South Campus, New Delhi
Timing: 9:30 am - 5:30 pm (Daily)

The Workshop certificate will be issued to the participants who successfully attend and complete the full duration of the course.