# REGISTRATION

#### Who should participate?

MPhil/PhD students Faculty Members

### **Registration Fee**

For students: Rs. 4000/-

For faculty: Rs.6000/-

#### **Accommodation Charges**

For faculty/students: Rs. 2000/-

Accommodation fee will be charged only if residence is required.

### How to Apply?

The interested candidates are required to forward their nominations through their supervisors (for MPhil/PhD students) and head of department (for faculty) along with a

- a) Duly filled registration form
- b) A short CV (1-3 pages only)
- c) A passport size photograph
- d) A motivational letter stating how the workshop will benefit you in your work (please attach a separate sheet)

Please send complete application by post to Dr. Munir Ahmad, School of Biological Sciences, University of the Punjab Quaid-e-Azam Campus, Lahore or e-mail at <u>munir\_pu@yahoo.com</u> by Monday, 14<sup>th</sup> October, 2019.

#### Note

Limited seats are available. After intimation of successful selection from SBS, registration fee and accommodation charges mentioned above have to be deposited till Monday, 21<sup>st</sup> October, 2019 as per direction from SBS.

# ORGANIZERS

Patron in Chief Prof. Dr. Niaz Ahmad Akhtar Vice Chancellor, University of the Punjab

#### Patron

Prof. Dr. Naeem Rashid Acting Director General, School of Biological Sciences (SBS)

### **Advisory Committee**

Prof. Dr. Javed Iqbal Prof. Dr. A. R. Shakoori Prof. Dr. M. Waheed Akhtar Prof. Dr. Sadaf Naz

#### **Organizing Committee**

Dr. Q. A. Gardner Dr. Nasir Ahmad Dr. Mehwish Aslam Dr. Saima Iftikhar Dr. Munir Ahmad Dr. Naseema Azim

### For correspondence and information

Dr. Nasir Ahmad E-mail: mna.pk1@gmail.com Cell: 03314408881

Dr. Munir Ahmad E-mail: munir\_pu@yahoo.com Cell: 03334973275





National Workshop on Production & Purification of Recombinant Proteins

(November 11-16, 2019)



School of Biological Sciences University of the Punjab Quaid-e-Azam Campus, Lahore

### PREFACE

Production of recombinant proteins in microbial systems is one of the most powerful techniques used in the life sciences. It exploits genetic information flow from DNA to RNA, to produce functional protein.



The main advantage of recombinant proteins over the isolation from their natural sources is that they can be prepared in bulk quantities in short time. The applications of recombinant proteins have revolutionized the industrial processes which include production of biopharmaceuticals, food, leather, textile industries etc.

This workshop aims to provide basic hands-on training in recombinant protein production, analysis, localization of recombinant protein as a soluble or insoluble fraction, purification, and activity assay.

The young researchers and faculty members who are presently involved in teaching and research in the departments of life sciences are encouraged to participate in the workshop.

## Highlights of the workshop

- Gene induction, culture harvesting, lysis, separation of soluble and insoluble proteins
- Use of heat treatment for protein fractionation
- Analysis of recombinant protein production by denaturing gel electrophoresis
- Protein quantification by colorimetric and UV spectroscopic methods
- Demonstration of AKTA purification system

## **VENUE AND TIMINGS**

School of Biological Sciences, University of the Punjab, Quaid-e-Azam Campus, Lahore. 54590

# November 11-16, 2019 8:30 am to 5:30 pm daily with a break of one hour for lunch and prayer

\*Registration form can also be downloaded from www.pu.edu.pk

## **REGISTRATION FORM**

Photograph

Name:
Department:
Institution:
Designation:
Qualification:
E-mail:
Phone:
Assessment deting required VEC (NO

Accommodation required: YES / NO (Please ✓ one of the options)

#### **Recommendation from the Supervisor/HOD**