

REGISTRATION

Who should participate?

- MPhil/PhD students
- Faculty Members

Registration Fee

- For students: Rs. 3000/-
- For faculty: Rs.5000/-

Accommodation Charges

For students: Rs. 1000/-

For faculty: 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 employees) along with a

- a) Duly filled registration form
- b) A short CV (1-2 pages)
- c) A passport size photograph

Where to send?

Please send complete application by post to Mr. M. Irfan, School of Biological Sciences, University of the Punjab, Quaid-e-Azam Campus, Lahore or e-mail at info.sbs@pu.edu.pk by Wednesday, 31st October, 2018.

Note

The workshop is limited to 15 participants only. After intimation of successful selection from SBS, a bank draft of mentioned registration fee in favour of Director General SBS will be required.

ORGANIZERS

Patron in Chief

Prof. Dr. Niaz Ahmad Akhtar
Vice Chancellor PU

Patrons

Prof. Dr. M. Akhtar FRS
Founding Director General SBS

Prof. Dr. Naeem Rashid

Acting Director General SBS

Advisory Committee

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

Organizing Committee

Dr. Q. A. Gardner
Dr. Naveed Shahzad
Dr. Uzma Qaisar
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Dr. Soumble Zulfiqar
Dr. Nasir Ahmad
Dr. Mehwish Aslam
Dr. Saima Iftikhar
Dr. Munir Ahmad
Dr. Naseema Azim
Dr. Muhammad Ali

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National Workshop on Production & Purification of Recombinant Proteins (November 12-17, 2018)



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, that exploits phenomenon of central dogma of life that how genetic information flows from DNA to RNA, to produce functional protein.



The main advantage of recombinant proteins over the isolation from naturally occurring sources is that, these can be prepared in bulk quantity 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 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

- Recombinant protein production and analysis by denaturing gel electrophoresis
- Culture harvesting, lysis, separation of soluble and insoluble proteins
- Use of heat treatment for protein fractionation
- Recombinant protein quantification by calorimetric and UV spectroscopic methods
- Demonstration of AKTA purification system
- Protein purification by column chromatography
- Activity assay of the recombinant protein and final gel analysis of the purified protein

Note

Participants accommodated in hostels will be picked daily in the morning.

All the participants will be served tea and lunch.

A recreational tour will also be organized for the participants.

VENUE AND TIMINGS

School of Biological Sciences, University of the Punjab, Quaid-e-Azam Campus, Lahore, 54590
November 12-17, 2018
9:00 am to 5:00 pm daily

REGISTRATION FORM

Photograph

Name:.....

Institution:.....

Designation:.....

Qualification:.....

E-mail:

Phone:

State how the workshop will benefit you in your work (please attach a separate sheet)

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

Recommendation from the Head of the institution

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