

REGISTRATION

Who should participate?

- MPhil/PhD students
- Young Researchers
- Faculty Members

Registration Fee

- For Students: Rs. 3000
- For Employees: Rs.5000

Accommodation (For 5 nights)

- For Students: Rs. 1000
- For Employees: 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
- c) A passport size photograph

Where to send?

Please send complete Application by post to Mr. Muhammad Irfan, School of Biological Sciences, Quaid-e-Azam Campus, University of the Punjab, Lahore. Or by E-mail at info.sbs@pu.edu.pk by Wednesday, **March 20, 2018**.

Note

The workshop is limited to 20 participants only. After intimation of successful selection from SBS, a bank draft of mentioned registration fee in favor of Director General SBS will be required.

ORGANIZERS

Patron-In- Chief

Prof. Dr. Zakria Zakar

Vice Chancellor, University of the Punjab, Lahore

Patron

Prof. Dr. Naeem Rashid

Acting Director General SBS

Advisory Committee

Prof. Dr. M. Akhtar (FRS)

Founding Director of SBS

Prof. Dr. Javed Iqbal

Prof. Dr. A. R. Shakoori

Prof. Dr. Waheed Akhtar

Dr. Sadaf Naz

Dr. QA Gardner

Organizing Committee

Dr. Qamar Bashir

Dr. Naveed Shahzad

Dr. Uzma Qaisar

Dr. Asima Tayyeb

Dr. Soumble Zulfiqar

Dr. Saima Iftikhar

Dr. Munir Ahmad

Dr. Naseema Azim

For correspondence and more info:

Dr. Hafiz Naveed Shahzad

E-mail: hnaaveed.shahzad@gmail.com

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National Workshop On Recombinant DNA Technology

(April 2-7, 2018)



**School of Biological Sciences,
University of the Punjab,
Lahore**

PREFACE

Molecular Biology and Genetic engineering have thousands of applications in biological, clinical, pharmaceutical, agricultural and industrial research. Some of the molecular techniques for instance Recombinant DNA technology has become one of the most powerful tools in modern biology. The recombinant DNA is made by inserting foreign DNA fragment into a small replicating molecule such as a bacterial plasmid. This foreign DNA is then introduced into the competent bacterial cells which amplify the inserted fragment and make several copies of the insert known as a molecular clone. The primary aim of this workshop is to provide a comprehensive training on the recombinant DNA technology and to demonstrate fundamental hands on training in the essential skills of molecular biology.

The workshop has been designed for the beginners who have no previous experience with the techniques involved in the recombinant DNA technology. The young researchers and faculty members who are presently involved in teaching and research in the departments of Botany, Zoology, Biochemistry, Genetics, Microbiology, Molecular Biology, Biotechnology, Pharmacy and other allied fields in different universities, are encouraged to participate in this Workshop.

The workshop will comprise of lectures by the Peers, demonstrations and hands-on cloning and other essential molecular biology techniques.

PRACTICAL DEMONSTRATION

- Use of micropipettes and calibration
- Preparation of growth medium/plates
- Basic microbiological procedures (streaking, culture inoculation and growing bacterial cells etc)
- Genomic DNA isolation and quantification
- Gel Electrophoresis techniques
- Polymerase chain reaction (PCR)
- Purification of PCR product
- DNA Ligation and competent cells preparation
- Bacterial transformation
- Plasmid extraction and purification

FACILITIES

- The participants will be served breakfast, lunch and dinner.
- Pick and drop will be provided for out station participants from University hostel to SBS.
- A recreational tour in Lahore will also be organized for the participants.

VENUE AND TIMINGS

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

9:00 am to 5:00 pm daily.

REGISTRATION FORM

Photograph:

Title:

Name:

Affiliation:.....

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Position:

Address:

.....

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E-mail:

Phone:

Fax:

Accommodation required: YES NO
Please ✓ one of the options

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