

HANDS ON TRAINING WORKSHOP ON CLINICAL DIAGNOSTICS

JOINTLY ORGANIZED BY

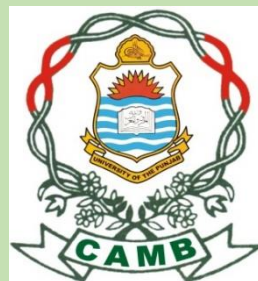
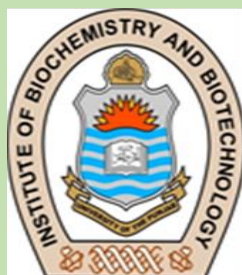
INSTITUTE OF BIOCHEMISTRY AND BIOTECHNOLOGY

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CENTER FOR APPLIED MOLECULAR BIOLOGY

UNIVERSITY OF THE PUNJAB

October 18-21, 2016



For Correspondence and information

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Aims & objectives

On the behalf of Institute of Biochemistry and Biotechnology (IBB) and Centre for Applied Molecular Biology (CAMB)) we are pleased to put forth our **Proposal for 4 days National Workshop Hands on Training on Real Time PCR, Protein Blotting and Cell Culturing Techniques** in Pakistan, jointly organized by IBB & CAMB.

This conference aims to enlighten the Biologists regarding the revolutionary and state-of-the-art technologies:

- 1- Real Time PCR is now established method for diagnostics (DNA/ RNA load) of different diseases. In reality there is no need of post PCR gel electrophoresis. This technique is very specific, sensitive, and reproducible and time saving as compared to conventional PCR. Real Time PCR is also used for gene expression analysis/ SNP and STR Genotyping, to find out the composition of unknown stains. Number of copies of Virus/DNA can be calculated directly by measuring threshold values. The results obtained are helpful in developing personalized medicine and awareness of genetic counseling in Pakistan.
- 2- Protein Blotting is the most commonly used technique, for the detection of immunological proteins that are separated by gel electrophoresis and transferred on to a membrane. This technique is very important for functional protein characterization.
- 3- Animal Cell culturing, that is actually a process of growing cells artificially, an important technology in the field of life sciences. The effect of different newly developed therapeutics can be monitored by applying theses therapeutics on artificial animal cell culturing of the desired cells.

The workshop will provide new insights to consultants, young doctors and researchers about diagnostics and targeted therapy by expanding their knowledge of genetics, genomics and their effective integration into health practices. Moreover, the workshop will include the lectures from field specialists and eminent professors of Punjab University. There will be healthy discussions among the participants of the workshop, which will provide a platform for sharing latest and novel research in the field of biotechnology happening all around the world.

The targeted audience of this conference will be: consultant, physicians, doctors, professors, scientists, biotechnologists and biosciences students' from all over the world.

Patron in Chief:

Prof. Dr. Mujahid Kamran: Vice Chancellor, PU, Lahore

Prof. Dr. Javed Iqbal Qazi: Acting Dean, Faculty of Life Sciences, Acting Director IBB/CAMB, Lahore, Pakistan.

Chief Organizers:

Dr. Mahjabeen Saleem

Dr. Asma Manzoor

Dr. Haleema Sadia

Dr. Muhammad Zeeshan Danish

Organizing Committee/Trainers:s

Dr. Asma Manzoor

Dr. Haleema Sadia

Dr. Zahoor Qadir Samra

Dr. Muhammad Farooq sabar

Dr. Muhammad Imtiaz Shafique

Dr. Amjad Ali

Dr. Shazia Rafique

Dr. Aleena Sumrin

Mr. Manzoor Hussain

Mr. Zafar Saleem

Mr. Muhammad Bilal

Mr. Hamid Bashir

Coordinator

Mr. Sarfaraz Ishaq

Workshop Training Fee

Rs. 7000/- PKR

Venue IBB, Auditorium PU New Campus Lahore.

Proposed program for Inaugural ceremony

18 October 2016 8:30am to 9:00am	Registration
9:00am to 9:15	Recitation
9:15am to 9:30am	Welcome address by Prof. Dr. Javed Iqbal Qazi Acting Dean faculty of Life sciences. Director IBB/CAMB University of the Punjab, Lahore,
9:45am to 10:00am	Inaugural Remarks by Prof. Dr. Mujahid Kamran Vice chancellor University of the Punjab, Lahore,
10:00am to 10:30am	Hi-tea
11:00am to 11:45am	Prof Dr. A.R Shakoori Director School of Biological Sciences, Prof. Emirates University of the Punjab, Lahore, Topic: <i>Stem cell Technology</i>
11:45am to 12:30pm	Dr. Muhammad Zeeshan Danış University College of Pharmacy, University of the Punjab, Lahore, Topic: <i>Techniques for Non-viral gene delivery to treat cancer</i>
12:30pm to 1:15 pm	Dr. Muhammad Imtiaz Shafique Institute of Biochemistry & Biotechnology University of the Punjab, Lahore, Topic: <i>In-silico tools for primer designing</i>
19-21 October	Hands on Training Program at CAMB
21 October 1:00pm to 2:00pm	Certificate/Award Distribution ceremony Closing ceremony (at Al Razi Hall) by Guest of Honor Prof. Dr. Shazia Noureen Qureshi Principal Law College University of the Punjab
2:00pm to 3:00pm	Lunch