



2ND COMSTECH INNOVATION LAB ON CLASSICAL PROTEIN CHEMISTRY

UNDERSTANDING THE EXECUTIONERS OF LIFE

May 17-19, 2022, KARACHI, PAKISTAN; HYBRID EVENT.



Organized by:

HEJ Research Institute of Chemistry,
International Center for Chemical and Biological Sciences (ICCBS),
University of Karachi, Karachi-75270, Pakistan in Collaboration with the
COMSTECH Secretariat, Islamabad

Website: www.iccbs.edu
www.comstech.org

VENUE

This is a hybrid event to be held both virtually and physically at LEJ Seminar Rooms and Various Laboratories of the Dr. Panjwani Center for Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences (ICCBS), University of Karachi, Karachi-75270, Pakistan.

SCIENTIFIC PROGRAM

Tuesday, May 17, 2022

Inauguration Ceremony

- 11:00 AM Recitation of Holy Quran
- 11:10 AM Welcome address by Prof. Dr. M. Iqbal Choudhary
- 11:20 AM Address by Dr. Aftab Ahmed
- 11:30 AM Lecture-1: An overview of the Protein Chemistry and Biological Drug Development.
- 12:15 PM Lecture 2: Protein Electrophoresis
- 01:00 PM Lunch/ Prayer Break
- 02:00 PM Lab I: Protein Electrophoresis
- 03:15 PM Lab II: Enzymatic Protein Digestion.
- 04:30 PM Review of Data and Quiz

Wednesday, May 18, 2022

- 11:00 AM Lecture 3: Protein Chromatography
- 11:45 AM Lab III: Gel Filtration Chromatography
- 01:00 PM Lunch/ Prayer Break
- 02:00 PM Lab IV: Ion-Exchange Chromatography
- 04:00 PM Review of Data and Quiz.

Thursday, May 19, 2022

- 11:00 AM Lecture 4: Edman Sequencing and Mass Spectrometry (MALDI-TOF MS/LC/MS/MS)
- 11:45 AM Dry Lab V: Protein Sequencing
- 01:00 PM Lunch/ Prayer Break
- 02:00 PM Lab VI: RP-HPLC of Tryptic Digest
- 04:00 PM Quiz
- 04:30 PM Concluding Session.