

International Biophysics Workshops

2. Macromolecular Structure & Dynamics

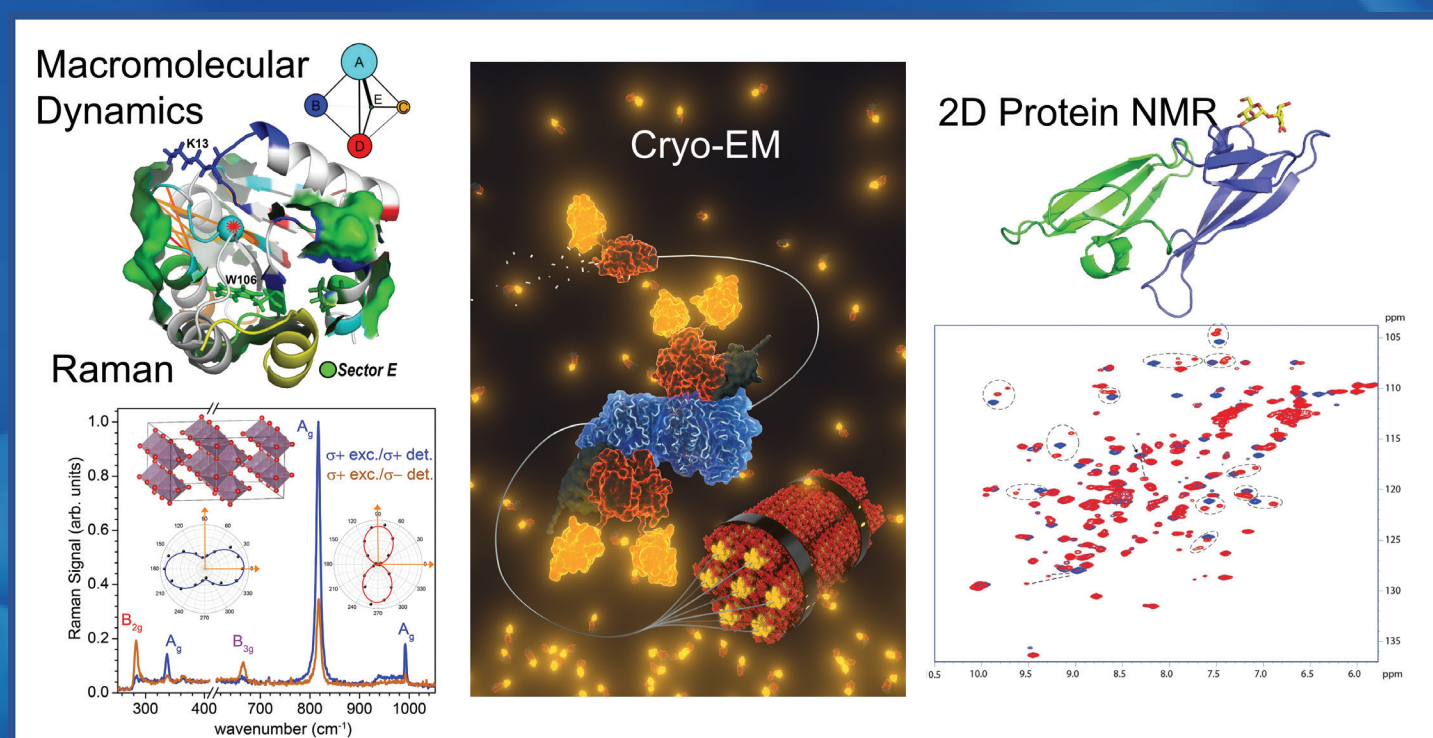
24-25th March, 2022

This workshop will highlight the revolution in the study of Macromolecular Structure & Dynamics led by developments in

- High-flux synchrotron beamlines
- Optical physics of micro-crystallites
- Cryogenic electron microscopy (Cryo-EM)
- High-performance computing.

The workshop series introduce cutting edge developments in the study of complex Biological and Organic materials. Their links to the core principles of Physics, Information Science, Molecular Biology and Organic Chemistry will be emphasized. The workshops aim to build a biophysics research community within Pakistan and collaborations with regional and international partners. Round table discussions address how the multidisciplinary culture required to nurture this area can be created.

This workshop will draw together national and international speakers/researchers working at the interfacial disciplines of Structural Biology, Molecular Dynamics and Materials Physics.



Registration

Please register at
<https://tiny.cc/BiophysicsLUMS>

The workshop will be held virtually over zoom.

Registration Deadline

Sunday, March 20, 2022
No Registration Fee

Keynote Speaker

Dr. Jose Carazo

National Center for Biotechnology (Spain)
Keynote "Cryo-EM – It's amazing capability to follow macromolecular structural changes"

Featured Speakers

Dr. Jay Nix

(Lawrence Berkeley Labs, USA)

Drs. Geerten Vuister/Vicky Higman

(Leicester University, UK)

Speakers

Dr. Tanweer Hussain (Indian Institute of Science, India)
Dr. Humayun Sharif (Harvard University, USA)
Dr. Sheikh Mohammed Arif (Blundell Group – Cambridge University, UK)
Dr. Anas Khawaja (Karolinska Institut, Sweden)
Dr. Ishrat Jabeen (NUST, Islamabad)
Dr. Hammad Naveed (NUCES-FAST Lahore)
Dr. Shafqat Rasool (McGill University, Canada)
Dr. Arooj Shafiq (Salim Habib University)
Dr. Maqsood Ahmed (Islamia University, Bahawalpur)
Dr. Moazur Rahman (Punjab University, Lahore)
Dr. Javed Akhtar (PINSTECH, Islamabad)
Dr. Shahid Khan (Lawrence Berkeley Labs, USA)
Dr. Shahzad ul Hassan (SBASSE, LUMS, Lahore)

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