

Programme Schedule

International Conference *on*
**“Frontiers in Biochemistry and Biotechnology: Strategies to
Combat Human Diseases”**

February 12-13, 2020

Organised by: DEPARTMENT OF BIOCHEMISTRY OF SHIVAJI COLLEGE
& SOUTH CAMPUS, UNIVERSITY OF DELHI

Venue: Shivaji College Auditorium, Raja Garden, Delhi-110027

February 12, 2020	
TIME	ACTIVITY
8:30AM - 9:30AM	REGISTRATION and INTERACTION
9:35AM - 11:00AM	INAUGURATION
11:05AM - 11:45AM	PLENARY TALK: Prof. Andreas Herrmann , Institut für Biologie Molekulare Biophysik, Humboldt-Universität zu Berlin, Germany “Design of Multivalent Inhibitors of Virus entry-What matters?” Chair: Prof. D.P. Sarkar , Department of Biochemistry, University of Delhi South Campus
11:45 AM - 12:10 PM	TEA and NETWORKING
12:15 PM - 1:40 PM	Session 1. Cancer Biology and Therapy
	Chair : Prof. Daman Saluja , Ambedkar Centre for Biomedical Research, University of Delhi
12:15PM - 12:35PM	Dr. Mukesh Verma , Branch Chief and Program Director, National Cancer Institute, National Institutes of Health, USA “Controlling Cancer by Epigenetics: Are we ready for the Prime time?”
12:40PM - 1:00PM	Dr. Sagar Sengupta , Senior Scientist, National Institute of Immunology, New Delhi “Abrogation of Fbw7a-dependent p53 degradation during DNA damage enhances its function as tumour suppressor”

1:05PM - 1:25PM	Prof. Sathees C. Raghavan , Department of Biochemistry, Indian Institute of Science, Bengaluru, India “A Novel mechanism that can explain RAG-mediated Chromosomal translocations in lymphoid cancer”
1.30 PM – 1.40 PM	Mini Quiz Session
1:40 PM - 2:40PM	LUNCH
2.45 PM – 4.15 PM	Session 2. Infectious Diseases: Mechanistic Understanding
	Chair : Prof. Yogendra Singh , Department of Zoology, University of Delhi
2:45PM - 3:05PM	Prof. Suman K. Dhar , Special Center for Molecular Medicine, Jawaharlal Nehru University, New Delhi “Unique characteristics of DNA replication and cell division in human malaria parasite <i>Plasmodium falciparum</i> ”
3.10 PM - 3:30 PM	Dr. Monica Sundd , Scientist, National Institute of Immunology, New Delhi “Understanding the fatty acid biosynthesis pathway of <i>Leishmania</i> : Unique opportunity for drug interaction”
3:35 PM - 3:55PM	Dr. Garima Khare , Department of Biochemistry, South Campus, University of Delhi “ Unraveling the role of the transcriptional regulator VirS in low pH-induced responses of <i>Mycobacterium tuberculosis</i> ”
4.00 PM – 4.15 PM	Mini Quiz Session
4:15 PM - 4:30 PM	TEA and INTERACTION
4:30 PM - 6:15 PM	POSTER PRESENTATION Panelists: Prof. Swati Saha , Department of Microbiology, University of Delhi South Campus Prof. Suneel Kateriya , School of Biotechnology, Jawaharlal Nehru University, New Delhi Dr. Ranjan Nanda , International Centre for Genetic Engineering and Biotechnology, New Delhi Dr. Imtaiyaz Hassan , Jamia Millia Islamia, New Delhi Dr. Ashok Patel : Indian Institute of Technology Delhi, New Delhi

* DINNER : 6:30 PM onwards

February 13, 2020	
TIME	ACTIVITY
9.00 AM - 9:30 AM	TEA and NETWORKING
9:30 AM – 10:10 AM	<p>PLENARY TALK: Dr. T. Michael Redmond, National Eye Institute, National Institutes of Health, Bethesda, USA</p> <p style="text-align: center;">“RPE65 and inherited blindness: Lighting the way”</p> <p>Chair: Prof. G. Hariprasad, All India Institute of Medical Sciences, New Delhi</p>
	Session 3. Genetic Diseases and Mechanistic Biology
10.15 AM – 1.00 PM	<p>Chair : Prof. Shantanu Sengupta, CSIR-Institute of Genomics and Integrative Biology, New Delhi</p> <p>Prof. B.K. Thelma, Department of Genetics, University of Delhi South Campus</p>
10:15 AM - 10:45 AM	<p>Dr. Rakesh Mishra, Director, CSIR-Centre for Cellular & Molecular Biology, Hyderabad</p> <p style="text-align: center;">“Genomic Organization, regulation and non-Homeotic function of Homeotic genes in development and diseases.</p>
10:50 AM - 11:20 AM	<p>Prof. Umesh Varshney, Department of Microbiology and Cell Biology, Indian Institute of Science, Bengaluru</p> <p style="text-align: center;">“Mechanism of action of UdgX, an unusual member of the uracil: DNA Glycosylase family”</p>
11:25 AM - 11:55 AM	<p>Dr. Rajan Sankaranarayanan, Senior Scientist and Group Leader, CSIR-Centre for Cellular & Molecular Biology, Hyderabad</p> <p style="text-align: center;">“Chirality based proof reading during protein biosynthesis”</p>
12:05 PM - 12.45 PM	Industry Talk and Demos
12.45 PM – 1.00 PM	Mini Quiz Session
1:00 PM - 2.00 PM	LUNCH
2.00 PM – 4.15 PM	Session 4. Diagnostics and Therapies
	<p>Chair : Prof. Umesh Varshney, Department of Microbiology and Cell Biology, Indian Institute of Science, Bengaluru</p>

	Dr. Mukesh Verma , National Cancer Institute, National Institutes of Health, USA
2.00 PM - 2.30 PM	Prof. Jayanta Roy Chowdhury , Scientific Director, Gene Therapy Facility, Albert Einstein College of Medicine, USA “Cell and Gene based therapies for inherited Liver Diseases”
2:30 PM - 2:55 PM	Prof. A.M. Kayastha , School of Biotechnology, Banaras Hindu University, India “Functionalized 3D Nanocomposites as a Novel Platform to Immobilize β-Galactosidases: Advances in the Stability, Reusability, and their Applications in Lactose Intolerance”
3:00 PM - 3:25 PM	Dr. Geeta-Trilok Kumar , Director, Institute of Home Economics, University of Delhi “ Intra-uterine Growth Retardation: consequences in into later life”
3.30 PM - 4:15 PM	Oral Presentations by Students Panelists: Prof. Andreas Hermann, Prof. T. Michael Redmond, Prof. A.M. Kayastha, Prof. Mukesh Verma, Prof. Umesh Varshney
4.20 PM – 5.30 PM	VALEDICTORY and CUTURAL PROGRAMME
5.30 PM onwards	HIGH TEA