

PSI-ICPP 2022 Schedule

Day 1: November 3, 2022

09:00-09:10 AM	Inaugural song and Lighting the Lamp			
09:10-09:20 AM	Welcome address by Dr. Arun Bandyopadhyay, Director CSIR-IICB			
09:20-09:30 AM	Address by the President PSI, Dr. Subhra Chakraborty, Director, NIPGR			
09:30-09:45 AM	Address by the Chief Guest, Dr. Chandrima Shah, J.C. Bose Chair Distinguished Professor, CSIR-IICB, Kolkata and President, INSA			
09:45-09:55 AM	Address by the Guest of Honour, Prof. V. Ravichandiran, Director, NIPER-Kolkata and NIPER-Hajipur			
09:55-10:05 AM	Vote of Thanks, Dr. Nakul C. Maiti, Secretary, PSI-ICPP 2022			
SCIENTIFIC SESSION 1: Proteomics and molecular approaches in understanding diseases				
Chairperson: Dr. Niranjan Chakraborty and Prof. V. Ravichandiran				
10:10-10:30 AM	Dr. G.R. Chandak	The plasma proteome of sickle cell Anaemia in Indians: Insights from exploratory proteomic profiling		
10:30-10:50 AM	Dr. Shashank Deep	A mechanistic insight into SOD1 misfolding, aggregation and inhibition		
10:50-11:20 AM	Dr. Vinay Pawar	High-throughput proteomics as a keystone in multi-omic approaches to biomarker discovery & precision medicine (Premas Life Sciences Pvt. Ltd.)		
11:20-11:45 AM	High-Tea			
SCIENTIFIC SESSION 2: Proteomics in disease diagnostics				
Chairperson: Dr. K. D. Sonawane and Dr. Mahesh J. Kulkarni				
11:45 AM -12:05 AM	Dr. Apurba Sau	Underlying basis for stimulated GMP formation in human large GTPases and its effect on antiviral activity		
12:05-12:25 PM	Dr. Srikanth Rapole	Identification and functional characterization of potential targets and biomarkers for multiple myeloma using global proteomic analysis and molecular approaches		
12:25-12:45 PM	Dr. Tiannan Guo	Advances in clinical proteomics and applications in diagnosing thyroid nodules		
SCIENTIFIC SESSION 3: Implication of proteins in metabolomics disorders				
Chairperson: Dr. R. Sirdeshmukh and Dr. S. Swarnakar				
12:50-01:10 PM	Dr. Partha Chakrabarti	Tempering proteotoxicity in nonalcoholic fatty liver disease (NAFLD)		
01:10-01:30 PM	Dr. Trayambak Basak	Post-translational modifications of collagens at the interface of extracellular matrix (ECM) remodelling during fibrosis		
01:30-01:40 PM	Dr. Sanjay K. Banerjee	Pregestational diabetes alters cardiac structure and function of neonatal rats: Understanding the molecular defects through omics approaches		
01:40-03:00 PM	Lunch Break			
03:00-05:00 PM	POSTER SESSION 1			
05:00-05:30 PM	Tea break			
05:00-06:00 PM	GB Meeting			
06:00-07:30 PM	Cultural Program			
07:30-09:00 PM	Dinner (Venue: CSIR-IICB, Kolkata)			

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Day 2: November 4, 2022

SCIENTIFIC SESSION 4: Mechanism of cancer: How the proteomic approaches help?

Chairperson: Dr. G Narahari Sastry and Dr. Ramesh Ummanni

09:00-09:20 AM	Dr. Poonam Gautam	Tumor tissue proteome driling of gallbladder cancer
09:20-09:40 AM	Dr. Soumen Manna	Evolution of metabolic machinery in response to nutritional and pharmacological stress in cancer cells
09:40-10:00 AM	Dr. Arun K. Trivedi	Proteomics based identification of myeloid differentiation regulators in AML

SCIENTIFIC SESSION 5: Sponsor's Talk

Chairperson: Dr. P. Jaisankar and Dr. Umesh Prasad Singh

10:05-10:25 AM	Dr. Jean-Baptiste Vincendet	Leveraging the power of Zeno trap and EAD for highly sensitive protein identification and quantitation (Sciex)
10:25-10:45 AM	Dr. Saravanan Kumar	Single cell proteomics workflow to interrogate the granularity of biological systems (Thermo Fisher Scientific)
10:45-10:55 AM	Mr. Venkatesh Sankarasetty	Latest Innovations in Mass Spec for 4-D OMICS (Bruker)
10:55-11:10 AM		Tea Break

SCIENTIFIC SESSION 6: Proteins and Enzymes: Implication in disease biology research

Chairperson: Dr. Chandrima Shaha and Dr. Suman Kundu

11:10-11:30 AM	Dr. Subhra Chakraborty	System level understanding of organeller control of multihost resistance in fungal disease
11:30-11:50 AM	Dr. Surajit Bhattacharyya	Structural Basis of Regulation of Beta 2 Integrins in Leucocytes
11:50 AM -12:10 PM	Dr. Vishal Rai	Chemical technologies for precision engineering of proteins and antibodies

SCIENTIFIC SESSION 7: Infections, inflammation and proteins

Chairperson: Dr. Rukhsana Chowdhury and Dr. Nahid Ali

12:10-12:30 PM	Dr. Alka Rao	Bacterial business of cysteine glycosylation!
12:30-12:50 PM	Dr. Suparna Sanyal	A cold look at the protein synthesis machinery of a protozoan parasite <i>Giardia intestinalis</i>
12:50-01:10 PM	Dr. Arvind Korwar	Selenium-dependent metabolic reprogramming during inflammation and resolution
01:10-02:10 PM		Lunch

SCIENTIFIC SESSION 8: Application of proteomics in animal husbandry and agriculture

Chairperson: Dr. Ashok Mohanty and Dr. Jayati Sengupta

02:10-02:30 PM	Dr. Maya Zachut	Integrating proteomics and phosphoproteomics of adipose tissue in research of dairy cow physiology
02:30-02:50 PM	Dr. S. K. Ambatipudi	Bovine milk fat globules: a source of hidden treasure
02:50-03:10 PM	Dr. Shibdas Banerjee	Ambient mass spectrometry imaging for protein conformational study and biomedical applications

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SCIENTIFIC SESSION 9: Proteomics in neurodegenerative diseases		
Chairperson: Dr. Swasti Raychaudhury and Dr. K.N. Chattopadhyay		
03:15-03:35 PM	Dr. Sandipan Ray	Multiplexed quantitative proteomics for understanding circadian rhythms and pharmacological modulators of circadian clocks
03:35-03:55 PM	Dr. Amol R. Suryavanshi	Delineation of altered brain proteins associated with rabies virus infection by quantitative proteomics
03:55-04:15 PM	Prof. Ashis K. Mukherjee	Unveiling the neuritogenesis mechanism of a snake venom nerve growth factor
04:15-04:30 PM	Tea Break	
04:30-06:30 PM	POSTER SESSION 2	
06:30-09:00 PM	Banquet Dinner (Venue: The Tollygunge Club 120, Deshapran Sasmal Road, Kolkata-700 033, India)	

Day 3: November 5, 2022

SCIENTIFIC SESSION 10: Implication of proteins in disease biology				
Chairperson: Dr. T. K. Maiti and Dr. S. N. Bhattacharyya				
10:00-10:15 AM	Dr. Shilpkar Chatterjee	Intracellular acetyl CoA improves the immunotherapeutic efficacy of anti-tumor CD8+ T cells in cancer		
10:15-10:30 AM	Dr. Kaushik K. Dey	Proteomic landscape: novel insights into pathogenesis and toward biomarker discovery for Alzheimer's disease		
10:30-10:45 AM	Dr. S. Arumugam	Preclinical scientific validation of a traditional medicine for NASH		
10:45-11:00 AM	Dr. Amit K. Mandal	Structural construct of glycated hemoglobin in a patient with poorly controlled Diabetes Mellitus		
11:00-11:20 AM	Tea Break			
SCIENTIFIC SESSION 11: Research Scholar Presentation				
Chairperson: Dr. Jaya Bandyopadhyay and Dr. Dipyaman Ganguly				
11:20 AM -12:20 PM	Research scholar presentation			
SCIENTIFIC SESSION 12: Young Scientist Talk				
Chairperson: Dr. Syamal Roy and Dr. Abhijit Chakrabarti				
12:20-12:30 PM	Dr. Uttam Pal	Non-invasive perturbations to study loop dynamics and conformational flexibility in enzyme activity		
12:30-12:40 PM	Dr. Narasimha Kumar Karanam	Harnessing tumor treating fields-induced dna damage and replication stress for novel cancer therapy options		
12:40-12:50 PM	Dr. Kamalika Mukherjee	Probing the molecular mechanism of HuR mediated extracellular export of miRNAs		
12:50-01:00 PM	Dr. Rajiv Kumar	Exploring novel bioactive peptide of <i>Picrorhiza kurroa</i> and its potential therapeutic implications		
01:00-01:10 PM	Dr. Sudipta Das	Denaturation resistant P2 tetramer is required to import fatty acids into intraerythrocytic Plasmodium falciparum		

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01:10-01:20 PM	Dr. Debabrata Mandal	Metallic nanoparticle & exosome-based novel delivery of Amphotericin B for reduced toxicity and a possible oral formulation
01:20-01:30 PM	Dr. Shuvadeep Maity	Identification of the complex molecular signatures behind the differential vulnerability between ALS-resistant and sensitive motor neurons — a multi-omics approach
Valedictory Session		
01:30-02:00 PM	Chairpersons: Dr. Arun Bandyopadhyay, Dr. Nakul C. Maiti Guest of honour: Dr. G. Narahari Sastry, Dr. V. Ravichandiran, Dr. Ashis K. Mukherjee	
02:00-03:00 PM	Lunch	