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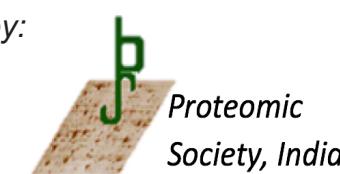
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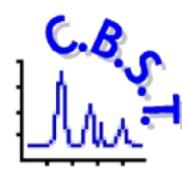
7TH ANNUAL MEETING OF PROTEOMICS SOCIETY, INDIA 2015



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The 7th Annual Meeting of the Proteomics Society, India, 2015 found home in Vellore Institute of Technology University, Vellore.

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Scope of the Journal: Authors are invited to submit original research articles, in-depth critical reviews, mini-reviews, commentaries, surveys, essays, opinions, insights and introspections in the area of Proteins and Proteomics for consideration and possible publication. The journal will focus on "proteins" and scope includes all facets of proteins and proteomics, like but not limited to, protein structure conformation and dynamics, protein-ligand or protein-protein interactions, protein folding, enzyme mechanisms and kinetics, protein models and predictions, physical properties and function, protein based diagnostics and therapeutics, protein engineering, protein expression and purification, whole proteome analysis, protein expression profiling, proteomics related to disease, proteomic analysis of cellular systems and organelles, methods and technologies related to protein investigations. Authors are requested to consult editor-in-chief, if in doubt about any aspect of scope, format or content of a proposed paper.

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- Reference in Book Chapter : Chakravarti, B. and Chakravarti, D.N. (1998). Onchocerciasis. In Encyclopedia of Immunology, 2nd ed. (eds. I.M. Roitt and P.J. Delves), Academic Press, San Diego, pp 1872-1975.

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One comprehensive file, preferably in x.doc format containing all the sections listed above must be submitted. In addition, authors are encouraged to submit the same as a PDF file as well. High quality figures may be submitted separately in a suitable format as well.

SPECIAL ISSUE AND CONFERENCE PROCEEDINGS**PROTEOMICS RESEARCH IN INDIA****GUEST EDITORS****Prof. M. A. Vijayalakshmi**

Director

Centre for Bio-Separation Technology

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Vellore - 632014,Tamil Nadu, India

Prof. Krishnan Venkataraman

Centre for Bio-Separation Technology

VIT University

Vellore - 632014,Tamil Nadu, India

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GENERAL INFORMATION

The Journal: Journal of Proteins and Proteomics (JPP), with its genesis in India, is a peer reviewed journal envisaged to serve the world wide community of researchers and teachers dealing with the challenges of proteins and proteomics resulting in an improved understanding of protein science in general. Published bi-annually, the aim is also to supplement the regular issues with special issues in selected, relevant topics of protein science. The journal has an online presence at <http://www.jpp.org.in>.

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WELCOME TO THE FIFTH SPECIAL ISSUE OF JOURNAL OF PROTEINS AND PROTEOMICS AND SECOND SPECIAL ISSUE ON “PROTEOMICS”

We take pride and pleasure in presenting the fifth special issue of Journal of Proteins and Proteomics and the “Second special issue” on “Proteomics”. Like the previous one (December 2014), this issue is also being hosted on behalf of the esteemed Proteomics Society, India (PSI) for their 7th Annual Meeting in VIT University, Vellore from December 3rd to 6th, 2015.

Since effective and appropriate separation of proteins constitutes one of the major pillars which support Proteomics research in all its glory, it is apt that the 7th Annual Meeting of Proteomics Society is being organized and hosted by the Centre for Bio-Separation Technology (CBST) at VIT University, Vellore, Tamil Nadu, India. The esteemed Centre, lead by the dynamic and visionary Prof. M. A. Vijayalakshmi (Director, CBST), has contributed immensely to “bio-separation research and technology development” in India. Prof. Vijayalakshmi, the convener of the meeting, and also an inspiration for Proteomics Society, has envisaged and lead the efforts of the team from the forefront. The meeting has been organized and executed by Prof. Krishnan Venkataraman with great zeal, immense hard work and vision. We hope that members of the Society, all participants and delegates will enjoy the repertoire of scientific deliberations the meeting has to offer.

The journal also appreciates the opportunity provided by the vibrant duo of Prof. Vijayalakshmi and Prof. Krishnan to publish this special issue and conference proceedings on Proteomics. Their kind and generous help in guest editing the issue and providing the printing costs will long be cherished. The issue presents a flavour of the current proteomics research being conducted along the length and breadth of the country. The abstracts provide in short capsules the reflection of the surge and achievements of proteomics research in India. The oral and poster presentations will subsequently provide the complete picture. We hope everyone will enjoy the issue and the intense meeting that lies ahead.

We specially thank PSI as well for this special issue. The office-bearers of the Society and the EC and prominent members all have been extremely patronizing and caring. The constant encouragement keeps us motivated and inspired. The moral support and the encouragement have initiated an association between JPP and PSI, which over the last year has progressively strengthened. PSI has, in principle, adopted the journal and efforts are on to cement the relationship to a meaningful outcome with common goals to serve, develop and advance the art and science of proteomics in India and elsewhere.

Sponsors who have kept our efforts alive, the journal editorial board members and well wishers who work behind the curtain are thankfully acknowledged. The CBST team and the magnificent students who have worked day in and day out to make this extravaganza a success deserve special accolades and appreciation. We hope you enjoy this special issue, which ushers in greater glory for the journal in near future. We hope that the Indian scientific community of protein science and proteomics can look upto this journal with pride and belonging.

Editor in Chief
Dr. Suman Kundu

Conference Details, Organizing Committee



7TH ANNUAL MEETING OF PROTEOMICS SOCIETY, INDIA 2015



From 3rd to 6th of December 2015

Organized by CBST, VIT University under the aegis of Proteomics Society, India. Venue: Anna Auditorium

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About VIT University



VIT University was established with the aim of providing quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students. The global standards set at VIT in the field of teaching and research spurs us on in our relentless pursuit of excellence. In fact, it has become a way of life for us. The highly motivated youngsters on the campus are a constant source of pride. Our Memoranda of Understanding with various international universities are our major strength. They provide for an exchange of students and faculty and encourage joint research projects for the mutual benefit of these universities. Many of our students, who pursue their research projects in foreign universities, bring high quality to their work and esteem to India and have done us proud. With steady steps, we continue our march forward. We look forward to meeting you here at VIT.

History of VIT

It was established under Section 3 of the University Grants Commission (UGC) Act, 1956, and was founded in 1984 as a self-financing institution called the Vellore Engineering College. The Union Ministry of Human Resources Development conferred University status on Vellore Engineering College in 2001. The University is headed by its founder and Chancellor, Dr. G. Viswanathan, a former Parliamentarian and Minister in the Tamil Nadu Government. In recognition of his service to India in offering world class education, he was conferred an honorary doctorate by the West Virginia University, USA. Sankar Viswanathan, Sekar Viswanathan and G.V. Selvam are the Vice-Presidents; Dr. Anand A. Samuel is the Vice-Chancellor and Dr. V. Raju and Dr. S. Narayanan are the Pro-Vice-Chancellors.

Our Vision

We at VIT University will impart futuristic technical education and instill high patterns of discipline through our dedicated staff, who shall set global standards, making our students technologically superior and ethically strong, who in turn shall improve the quality of life of the human race.

Our Mission

Our mission is to educate students from all over India, including those from the local and rural areas, and from other countries, so they become enlightened individuals, improving the living standards of their families, industry and society. We will provide individual attention, world-class quality education and take care of character building.

About CBST



The Center for Bioseparation Technology (CBST) was created at VIT University with Prof. M.A. Vijayalakshmi under the "Intensive Research on High Priority Area" funded by Department of Science and Technology (DST), Government of India. She was identified by the Indian Government to come back from France after more than 30 years of service at Universite de Technologie Compiegne (UTC), France, to steer this prestigious center. The Center was inaugurated with a formal ceremony on 6th March 2005 by Honorable Mr. KapilSibal, the Central Minister for Science and Technology, Government of India. The Centre is projected by the DST as a 'National Facility' for R&D and training, caters to postgraduate, doctoral and post-doctoral researchers.

Our Objectives

- Development of technologies for the efficient separation of biomolecules (proteins, peptides, oligosaccharides, DNA, etc) and particularly with relevance to pharmaceuticals
- Extension of developed technologies to clinical biochemistry applications
- To train Indian young scientists and disseminate the knowledge in the above said fields
- To serve as a nodal point for faculty and students to pursue their research in respective disciplines

Vision

The Center aims to be a world-class centre dedicated to the Separation Science and Technology for the biopharmaceuticals of high therapeutic value and for application in biomedical appliances through:

- Innovative research approaches
- State of the art technologies with multidisciplinary approaches
- Training and education

Monitored by a steering committee composed of many eminent scientists and top members from VIT University management. The centre aims to bridge the gap between academia and industry. The centre, apart from producing successful Doctoral and Post-Doctoral candidates; also provides short term training to undergraduate and post-graduate students.

The centre and its members greet each one of you and welcome you!

Chancellor's Message



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Dr. G. VISWANATHAN

Founder & Chancellor

Former Member of Parliament

Former Minister, Govt. of Tamil Nadu

President, Education Promotion Society for India, New Delhi

Message

Biotechnology encompasses a wholesome technology for the well-being of mankind, ensuring the quality of basic essential needs like food, health and shelter. The emergence of Proteomics Science and related cutting technologies in this modern era is paving way for betterment of life not only for basic understanding of living systems but also for identification and validation of drug targets, biomarkers for disease diagnosis, therapeutic molecules to treat diseases, plant metabolites for variety of applications etc. with economic value in a robust manner.

In this connection, I am very delighted to learn that Advanced Centre for Bio-Separation Technology (CBST) at VIT University is organizing the prestigious conference of Proteomics Society India at VIT University Vellore during December 3-6, 2015. This conference will provide a platform to groom young scientists from all over the country to be part of India's new generation of scientific, technological and managerial leaders of the future. This is a very refreshing and much needed education drive in Modern India. I am happy to learn that scientists and technologists from academic institutions and industries across the globe have converged here in VIT University, Vellore, India to do the deliberations in this conference.

I take this opportunity to congratulate the organizing committee and Proteomics Society India (PSI) along with our VIT people for having undertaken in this endeavour. I thank all the conference participants who have come from various parts of the country and across the globe and we consider it as our privilege and honour to have you all over here.

I wish the conference very success.

Dr.G.Viswanathan
Founder & Chancellor

Date: 14th November 2015
Vellore – 632 014

Vice President's Message



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SEKAR VISWANATHAN
Vice President

MESSAGE

It gives me great pleasure to learn that the Centre for Bio-Separation Technology (CBST) is organizing prestigious annual Proteomics Society India (PSI) conference at VIT University Vellore. CBST is a Centre of Excellence set up by Prof.M.A.Vijayalakhmi (Director) with financial support from Department of Science Technology (DST), Govt. of India. At VIT University, Vellore, India. Prof.M.A.Vijayalakshmi is a world authority in Separation Sciences returned after spending 40 years in France in the year 2005. I deeply appreciate her efforts and leadership and the Centre has been extremely successful since its inception and it is promoted as an Advanced Centre by a DST's independent audit committee. It has been carrying out translational research with a concept of 'Bench to Bedside' and it is receiving recognition worldwide.

This prestigious Proteomics Society India conference is a remarkable event to be held at VIT will be bringing national and international dignitaries from both academic institutions and industrial organizations. The presentations by experts in the conference, will give more idea related to different research aspects of Proteins and Proteomics Science and its application to human societies.

As VIT always give topmost priority to the quality of education and research, the opportunities which will be presented in the conference is enormous for the students. The interactions with some of the world's top level scholars give students inspiration which will fuel their quest to pursue science as their career. VIT is extremely proud to host an event of this stature and expecting that the students will utilize this occasion to get exposed to the scientific research.

I wish all the best for the smooth and fruitful functioning of the conference "PSIVELLORE-2015".

A handwritten signature in black ink, appearing to read "Sekar Viswanathan".

Sekar Viswanathan

Vellore - 14
17th November 2015

Vice President's Message



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Mr.G.V.Selvam
Vice President
VIT University, Vellore

7th Annual Proteomics Society India Meeting

(PSIVELLORE-2015)

Message

I am happy and pleased to note that Advanced Centre for Bio Separation Technology (CBST) is organizing this year's prestigious Proteomics Society India (PSI) 7th annual meeting in the PSI series at VIT University Vellore during from 3rd-6th December 2015. As I understand Proteomics and allied sciences is one of the key areas of research and development in Modern Biology which integrates cross disciplinary approaches to improve the quality of life in terms of food security and health care.

I am sure this conference will help to open avenues for exchange of ideas in this important and emerging field in Biotechnology. The prospects of participation of eminent scientists from prestigious academic institutions from India and abroad and their interaction with the industry to develop of products is gratifying and it reflects the significance of the conference and its relevance to improving the standard of living of the human society. VIT University is proud to be part of this endeavour.

I congratulate the organizers for their efforts in conducting this Conference in a grand manner.

I wish "PSIVELLORE-2015" all success.

A handwritten signature in black ink, appearing to read "G.V.Selvam".

Mr.G.V.Selvam
Vice President

Vice-Chancellor's Message



MESSAGE

It is indeed a happy occasion to greet you all during this international conference “PSIVELLORE-2015” being organized at VIT University. In this annual meet of Proteomics Society of India (PSI), the top notch researchers from India and abroad will be presenting their research findings of mutual interest. This event is also special because Prof. Mark Baker, President, Human Proteome Organization (HUPO) is delivering the keynote address. Occasion like this will be of immense help to the researchers and the student community to enrich their knowledge and horizon.

VIT University has been focusing on applied research resulting in patents and product developments. With more than 160 patents filed based on the research work done at VIT, VIT is moving towards becoming a research hub in this part of the country. Conference of this nature will be a boon in its endeavour.

I wish to congratulate Dr. Viji and her team for their commendable work in the organization of this conference. I wish all the delegates a productive and enjoyable stay at VIT.

May God bless the conference.

A handwritten signature in black ink, appearing to read "Anand A. Samuel".

Dr. Anand A. Samuel

Vice Chancellor

PSI President's Message



Dear Delegates,

Protein science has been receiving attention in India for decades. It has evolved from conventional isolation, characterization, functional activity, 3D structures and sequence analysis to the global analysis of proteins—proteomics. Further we are now into data bases, signalling networks and systems analysis. The human proteome initiatives to understand the biology and disease association of proteins, their localization on chromosomes, and tissue specific proteome investigations have provided insights into the whole proteome. Technologies have been developed to unravel the complexities of the proteome. These include, isolation and separation procedures, chromatography, mass spectrometry, bioinformatics etc.

The Proteomics Society, India was established in 2009 by a group of senior Indian scientists to provide a platform where from proteomics could be promoted through an annual meeting, workshops, focussed conferences, technology sharing and education. Over the last five years the Society has grown in membership and contributed effectively to the promotion of Proteomics tools across a spectrum of scientists, teachers and students. Proteomic science is now used to understand different areas of biological sciences across the country. Indian scientists have also contributed to the HUPO efforts by generating a draft map of the human proteome, the proteome atlas and the chromosomes-based investigations. All these contributions have brought the Indian proteomic scene to global attention. In addition, Nature India and J Proteomics have brought out special issues on Proteomics Research in India during August 2015 and September 2015 respectively with contributions from Indian scientists.

The Proteomics Society, India (PSI), has held its annual meetings across the country i.e. in, Hyderabad (2010), Delhi (2011), Kolkata (2011), Pune (2012), Bengaluru (2013) and Mumbai (2014). This year we are holding our 7th Annual meeting, at Vellore in the precincts of the Vellore Institute of Technology and our host is the DST's Advanced Centre for Bio Separation Technology (CBST). This Centre was started in 2005 and developed to its present stature by Prof. M. A. Vijaylakshmi, a scientist well acknowledged for her contributions to chromatography and bio-separation technologies. It is therefore most appropriate that we celebrate the decade of excellent scientific work at CBST which is targeted towards bridging the gap between academia and industry and in addition training and educating students to take up jobs in the industry.

The PSI would like to thank Dr. G. Viswanathan, Chancellor, VIT University and his team, Prof. M.A Vijaylakshmi, Director, CBST and Convener of this meeting and her organizing team led by Prof. V. Krishnan for hosting the 7th Annual meeting at VIT, Vellore. A meeting cannot happen without our speakers and delegates. PSI acknowledges the participation of eminent scientists from across the globe and India, among them Dr Mark Baker, President, HUPO. Our younger delegates have come here to showcase their work, receive encouragement and suggestions and interact with fellow scientists. The industry sponsors have indeed facilitated the meeting and we look forward to interacting with their representatives to learn about the various equipment and tools for proteomic investigations.

The lecture schedule brings you presentations from experts in different areas of proteomic science with a special focus on separation technologies and the use of proteomics in the pharmaceutical industry. The four days ahead are packed with an intellectual feast. I am sure the delegates will enjoy the meeting and the hospitality of our VIT colleagues.

With best wishes for the Holiday season ahead and a bright New Year 2016 that follows,

Dr. Surekha Zingde

President,

Proteomics Society, India

www.psindia.org

(surekha.zingde@gmail.com)

Convener's Message



Dear Colleagues,

On behalf of the Advanced Centre for BioSeparation Technology at VIT University (CBST-VIT) and Proteomics Society India (PSI), I welcome you to this 7th Annual Proteomics Society India (PSI) "PSIVELLORE-2015" focusing on Biochromatography, Molecular Recognition hyphenated with Proteomics. This meeting is being organized by the Advanced Centre for BioSeparation Technology (CBST), VIT University, Vellore, India under the aegis of Proteomics Society, India (PSI) and will be held during 3rd-6th Dec. 2015.

Proteomics Society, India (PSI) was structured in 2008 to enhance the teaching and research components in the core areas of proteomics. It will serve as the Indian chapter of "Asia Oceania Human Proteome Organization (AOHupo)", and is aspiring to help Indians become a part of this world structure HUPO. The present president of this scientific society is *Prof. Surekha Zingde*, Formerly Dy. Director, ACTREC, Navi Mumbai.

Proteomics field has emerged in a big way in the past decade due to developments of newer and advanced methods and technologies which is culminating in better understanding of biochemical, molecular and signalling processes in living systems under normal and deranged conditions which is paving way for newer drug targets and biomarker and their validation. In addition, it is helping economic activities in agriculture, animal husbandry, fisheries, poultry, dairy etc.

The PSI series of conference are annual conferences which have been conducted in various prestigious organization in India which include Centre for Cellular and Molecular Biology (CCMB) Hyderabad, Jawaharlal Nehru University (JNU), New Delhi, Indian Institute of Chemical Biology (IICB) Kolkata, National Chemical Laboratory (NCL), Pune, Indian Institute of Science (IISc), Bangalore and Indian Institute of Technology (IIT) Bombay, Mumbai. These conferences have been very useful, well attended.

This conference which is seventh in the PSI series whose main theme focuses on **Biochromatography, Molecular Recognition and Hyphenated with Proteomics**. A number of issues concerning proteomics, glycomics, metabolomics and lipidomics of humans, animals, plants, animals, microbes will be covered. Finally, application of proteomics and related technologies will be covered for its utility Biopharma/Biotechnology industries.

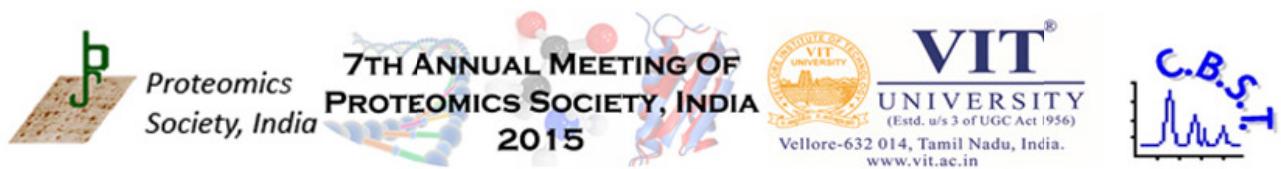
One key note lecture, followed by both several plenary, invited and regular lectures will be presented by eminent specialists, both from academia and industries, from India and abroad in these multidisciplinary fields. To encourage the young scientists and the innovative initiatives in these emerging fields, poster sessions and young scientists' presentations, workshops involving producers and users and round table discussions etc., is being organized to promote exchange and interactions between scientists from these diversified fields. In a congenial atmosphere, a good opportunity for Industries, Academia and Young Scientists to interact will be provided through exhibitions, demonstrations and discussions, featuring the latest equipment available for studies in these fields. A good social atmosphere with cultural events and dinners are programmed.

Looking forward to welcome you in the historical town of Vellore with its cultural vestiges,

Sincerely,

Prof. M. A. Vijayalakshmi,
Director, CBST-VIT, India.

PSI Vellore 2015 – Conference Schedule

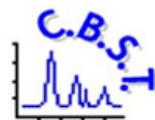


Venue: Anna Auditorium
Thursday, 3rd December 2015

11.00-13.00	Registration		
15.00	Inauguration		
15:00 – 16:15	Inauguration	Dr. G. Viswanathan Chancellor, VIT University	Prof. Anand Samuel Vice Chancellor, VIT University
		Prof. Mark S Baker Macquarie University Sydney, Australia President, HUPO	Prof. Krishnan V Organizer, 7 th PSI meeting,
		Prof. Surekha Zingde President, PSI Formerly Dy. Director CRI-ACTREC, Navi Mumbai	Prof. M.A. Vijayalakshmi Director, CBST, VIT University
16:15	Tea Break		
16:45	<i>Key note Lecture: Role of HUPO in Global Proteomics Effort and India's Contribution</i>	Prof. Mark S Baker Macquarie University Sydney, Australia President, HUPO	
21.00-23.00	PSI-EC Meeting		

PL: Plenary Lecture; IL: Invited Lecture; L: Lecture YSL: Young Scientist Lecture

PSI Vellore 2015 – Conference Schedule



Friday, 4th December 2015

08:30 – 09:00	Registration
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Session I:Proteomics

Chair Persons: Dr. Sudhir Srivastava & Dr. Ravi Sirdeshmukh

09:00 – 9:30	PL 1	Prof. Giulio Superti-Furga <i>Global analysis of Genes and proteins that convey the action of drugs</i>
9:30 – 10:00	PL 2	Prof. Peter Nilsson <i>Human protein Atlas enabled neuroproteomic profiling of body fluids</i>
10:00 – 10:25	IL 1	Dr. Richard Kumaran Kandasamy <i>Proteomic approaches to study the dynamics of Antiviral innate immune signalling</i>
10:25– 10:45	Tea/Coffee Break	

Session II:Quantitative Proteomics/ Cell Signalling

Chair Persons: Prof. K. Dharmalingam & Prof. Mark. S. Baker

10:45– 11:15	PL 3	Prof. Akhilesh Pandey <i>Quantitative Proteomics to study Oncogenic signalling pathways</i>
11:15– 11:45	PL 4	Dr. Sudhir Srivastava <i>Proteomics and Precision Health: A Phenotypic approach to Precision cancer detection</i>
11:45– 12:05	L 1	Dr. Amit Kumar Yadav <i>Hyperplexing enables study of Strain-Specific temporal dynamics of host response to mycobacterial infection</i>
12:05– 12:20	YSL 1	Ms. Suruchi Aggarwal <i>Emergent properties of post-Translation modifications in the human disease proteome</i>
12:20 – 14:00	Lunch / Poster / Exhibition	

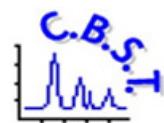
PSI Vellore 2015 – Conference Schedule



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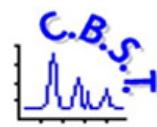
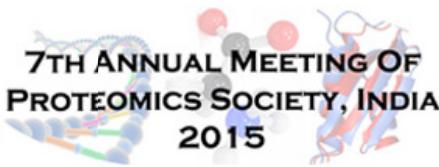
Session III: Prefractionation and Mass Spectrometry

Chair Persons: Prof. Ales Podgornik & Prof. Vijayalakshmi M.A.

14:00 – 14:30	PL 5	Prof. Alois Jungbauer Proteomics analysis of recombinant antibodies purified by affinity chromatography or precipitation are they different?
14:30 – 14:55	IL 2	Dr. Andreas Huhmer <i>Protein Quantitation – Which LC/MS method is right for my experiment</i>
14:55– 15:20	IL 3	Dr. Wilfrid Boireau <i>On-chip analysis and proteomics studies of blood microparticles with label free detection techniques</i>
15:20 – 15:40		Tea/Coffee Break

15:40 – 16:05	IL 4	Dr. Suman Thakur <i>Importance of chromatography in quantitative proteomics and drug discovery</i>
16:05– 16.30	IL 5	Dr. Kalpana Bhargava <i>A proteomic analysis of endurance augmenting activities of cesium oxide nanoparticles</i>
16.30 – 16.55	IL 6	Dr. Mark McDowall <i>A comparison of peptide quantification using a novel Integrated microfluidics devices and a nanoscale UPLC with MRM detection</i>
16:55– 17:10	YSL 2	Ms. Choudhury Manisha <i>Proteomics characterization of two elapid snake venoms: Indian cobra and Common Krait</i>
17.10– 17.30	IL 7	Dr. Kali Kishore Reddy <i>Conjoint IMAC device (disk to microfluidics): a pre-fractionation approach for plasma proteomics</i>
17.30 – 18.30		<i>Importance of Prefractionation for Mass spectrometry</i> Discussion Leaders: 1. Prof. M. A. Vijayalakshmi 2. Prof. Alois Jungbauer 3. Prof. Shuichi Yamamoto 4. Dr. Shantanu Sengupta
19:00 – 20:00		PSI GB Meeting
20:00 – 21:00		Gala Dinner

PSI Vellore 2015 – Conference Schedule



Saturday, 5th December 2015

Session IV: Lipidomics, Metabolomics and Glycoproteomics

Chair Persons: Prof. Krishnan Venkataraman & Dr. Shannon Cornett

08:45 – 09:15	PL 6	Prof. Tony Futerman <i>So many Sphingolipids – What do they all do?</i>
09:15 – 09:45	PL 7	Prof. Robert Plumb <i>Understanding Human health and disease with LC/MS based metabolic phenotype</i>
09:45 – 10:10	IL 8	Prof. Abhijit Mitra <i>Towards Collaborative Metabolomics</i>
10.10 – 10.35	IL 9	Dr. Jim Thorn <i>Proteomics and Metabolomics Analysis by CESI-MS: Application to Biologics Characterisation, Biosimilarity Assessment and Biomarker Discovery</i>
10.35 – 10.50		Coffee/Tea Break
10:50 – 11:15	IL 10	Dr. Mahesh J Kulkarni <i>Proteomic analysis of circulating immune complexes in diabetes: Targeted analysis glycated albumin using fragment ion library</i>
11:15 – 11.40	IL 11	Dr. Jaran Jainhuknan <i>Glycoproteins Analysis – Challenges and Solution</i>

Session V: Plant and Microbial Proteomics

Chair Persons: Prof. Utpal Tatu & Dr. Marc McDowall

11:40 – 12.05	IL 12	Prof. Niranjan Chakraborty <i>Nuclear envelope resident CaSUN1 participates in dehydration signalling by modulating unfolded protein response</i>
12.05 – 12:25	L2	Dr. Sharmila Chattopadhyay <i>Proteomic analysis of Podophyllum hexandrum</i>
12:25 – 12:45	L3	Prof. Karutha Pandian Shanmugiah <i>Understanding the microbial responses to quorum sensing and biofilm inhibitors – A proteomics approach</i>
12:25 – 13.05	L4	Prof. Balamurugan. K <i>Proteomic analysis of C.elegans to understand Bacterial Infection</i>
13.05 – 14:30		Lunch / Poster / Exhibition

PSI Vellore 2015 – Conference Schedule



Session VI: Clinical / Biomarker Proteomics

Chair Persons: Prof. Surekha Zingde & Prof. Peter Nilsson

14:30 – 15:00	PL 8	Prof. Mark S Baker <i>Translational Tissue and plasma Biosignatures of colorectal Cancer</i>
15:00 – 15:30	IL 13	Dr. Shannon Cornett <i>High-Throughput Spatial proteomics of Tissue using Rapiflex MALDI tissue types</i>
Tea/Coffee Break		
15:50 – 16:15	IL 14	Dr. Rakesh K Mishra <i>Proteome of Nuclear Architecture</i>
16:15 – 16:35	L 5	Dr. Sagarika Biswas <i>Phosphoproteomics profiling for the identification of novel marker of coronary artery disease</i>
16:35– 16:55	IL 15	Dr. Amol R Suryawanshi <i>Proteomics approach to identify host factors involved in Chikungunya virus infection</i>
16:55 – 17:20	IL 16	Dr. Arun Bandyopadhyay <i>Proteomic analysis of human plasma in Rheumatic heart disease</i>
17.20 -18.30		<i>Discussion on Challenges in Biomarker Proteomics</i> Discussion Leaders: 1. Dr. Sudhir Srivastava 2. Prof. Peter Nilsson 3. Prof. K. Dharmalingam 4. Dr. Ravi Sirdeshmukh

PSI Vellore 2015 – Conference Schedule



Sunday, 6th December 2015

Session VII: Biosimilars and Biotherapeutics

Chair Persons: Prof. Vijayalakshmi M.A. & Dr. Annette Persson

09:00 – 9.25	IL 17	Dr. Chaitanya Saxena <i>Application and advances in chemical-proteomics for drug target identification</i>
09.25– 09.50	IL18	Dr.Vijaya Pattabiraman <i>Chemical ligation methods for preparation of homogeneous biomolecules</i>
09.50 – 10.15	IL 19	Dr. Jaran Jainhuknan <i>Biosimilars characterization and Quantitation</i>
10:15– 10.30	Tea / Coffee Break	
10:30– 11:00	PL 9	Prof. Ales Podgornik <i>Chromatographic monoliths in PAT</i>
11:00 – 11.30	PL 10	Dr.Matjaz Peterka <i>Analytics and PAT in Virus Particle Manufacturing</i>
11:30– 12.00	IL 20	Dr. Annette Persson <i>Novel Comparability Approach and Innovative Quality Control</i>
12:00– 12:20	L 6	Dr. Sharmistha Dey <i>Evaluation of expression levels of a signaling protein, p38β in pancreatic cancer and design of peptide inhibitors against the same</i>
12.20– 12:45	IL 21	Dr. Vivek Halan <i>High Throughput Screening of therapeutic proteins in early stage development</i>
12:45 – 02:00	Lunch	
02:00	Valediction	

PL: Plenary Lecture; IL: Invited Lecture; L: Lecture YSL; Young Scientist Lecture