

AGENDA

Sunday 16th October, 2016

8:00 - 8:45 am	1st PAN IIT BIOTECH MEET Check-in and Registration Opens
8:55 - 9:00 am	<i>"Introductory of 1st PAN IIT BIOTECH MEET -2016"</i> Prof. Rama Shanker Verma, Organizing Secretary, IIT Madras
9:00 - 9:30 am 9:30 - 9:35 am Q&A	<i>"Mycobacterium tuberculosis, the TB bacterium, is able to achieve, 'More from less for more' to fool the human host"</i> Prof. Dr. Seyed E. Hasnain, Ph.D., Vice Chancellor, Jamia Hamdard Deemed University, New Delhi and Kusuma School of Biological Sciences, IIT Delhi, New Delhi.
Chairperson: Prof. Prashant Phale, Ph.D., IIT Delhi	
9:35 - 9:45 am 9:45 - 9:50 am Q&A	<i>"The feasibility of using Glycodelin in the management of graft rejection"</i> Prof. Anjali A. Karande, Ph.D., Dept. of Biochemistry, IISc. Bangalore, Karnataka
9:50 - 10:00 am 10:00 - 10:05 am Q&A	<i>"Redesigning of Laccases for Treatment of Dyes and Textile Wastewaters"</i> Prof. Saroj Mishra, Ph.D., Dept. of Biochemical Engineering & Biotechnology, IIT Delhi. New Delhi
10:05 - 10:15am 10:15 - 10:20 am Q&A	<i>"Ion channels in health and disease"</i> Prof. Amal Kanti Bera, Ph.D., Dept. of Biotechnology, IIT Madras, Chennai. Tamil Nadu.
10:20 - 10:30 am 10:30 - 10:35 am Q&A	<i>"MicroRNA-mediated silencing of High Mobility Group (HMG) proteins and its implications in cancer therapy"</i> Prof. Karunakaran, Ph.D., Dept. of Biotechnology, IIT Madras, Chennai. Tamil Nadu.
10:35 - 10:45 am	Tea break
Chairperson: Dr. Madhulika Dixit, Ph.D., IIT Madras	

10:45 - 10:55 am 10:55 - 11:00 am Q&A	<i>"Biological activity of natural products and/or their derivatives targeting various pathways related to human health"</i> Prof. Partha Roy, Ph.D., Dept. of Biotechnology, IIT Roorkee, Roorkee
11:00 - 11:10 am 11:10 - 11:15 am Q&A	<i>"Pichia pastoris: opportunities and challenges"</i> Prof. P. N. Rangarajan, Ph.D., Dept. of Biochemistry, IISc., Bangalore.
11:15 - 11:25 am 11:25 - 11:30 am Q&A	<i>"Adeno-associated virus: from Bench to Bedside"</i> Dr. Jayandharan Rao, Ph.D., Assistant Professor, Dept. of Biological Sciences and Bioengineering, IIT Kanpur.
11:30 - 11:40 am 11:40 - 11:45 am Q&A	<i>"The effect of temperature on cargo transport by molecular"</i> Dr. Ambarish Kunwar, Ph.D., Assistant Professor, Dept. of Biosciences and Bioengineering, IIT Bombay.
11:45 - 11:55 am 11:55 - 12:00 pm Q&A	<i>"Transcription, AID and somatic hypermutation of immunoglobulin genes"</i> Dr. Prashant Kodgire, Ph.D., Assistant Professor & HOD, Dept. of Bioscience & Biomedical Engineering, IIT Indore.
12:00 - 12:10 pm 12:10 - 12:15 pm Q&A	Topic Prof. Rama S Verma, Ph.D., Dept. of Biotechnology, IIT Madras, Chennai, Tamil Nadu.
12:15 - 12:25 pm 12:25 - 12:30 pm Q&A	<i>"Mass Production of biodegradable polymers from renewable resources"</i> Prof. A. K. Srivastava, Ph.D., Dept. of Biochemical Engineering & Biotechnology, IIT Delhi
12:30 - 1:15 pm	Lunch Buffet
1:15 - 1:45 pm 1:45 - 1:50 pm Q&A	<i>"Molecular Insights into Meiotic Chromosome Pairing from Single Molecule Analysis"</i> Prof. K. Muniyappa, Ph.D., Dept. of Biochemistry, IISc. Bangalore.
Chairperson: Prof. Dulal Panda, Ph.D., IIT Bombay	
1:50 - 2:00 pm 2:00 - 2:05 pm Q&A	Topic Prof. Guhan Jayaraman, Ph.D., Dept. of Biotechnology, IIT Madras, Chennai Tamil Nadu.
2:05 - 2:15 pm 2:15 - 2:20 pm Q&A	<i>"The Present and Future of Prostate Cancer Research in India: Genomics, Proteomics and Immunotherapy"</i> Dr. Bushra Ateeq, Ph.D., Assistant Professor Dept. of Biological Sciences and Bioengineering, IIT Kanpur, Kanpur.
2:20 - 2:30 pm 2:30 - 2:35 pm Q&A	<i>"Understanding the link between structure, dynamics and toxicity of alpha-Synuclein and its mutants in PD"</i>

	Dr. Ashutosh Kumar, Ph.D. , Assistant Professor, Dept. of Biological Sciences and Bioengineering, IIT Bombay, Mumbai.
2:35 - 2:45 pm	Tea break
Chairperson: Prof. A. K. Srivastava, Ph.D., IIT Delhi	
2:45 - 2:55 pm	<i>"Proteomics of biofilm of pathogenic fungi and anti- biofilm agents"</i>
2:55 - 3:00 pm Q&A	Prof Ramasare Prasad, Ph.D. , Dept. of Biotechnology, IIT Roorkee, Roorkee.
3:00 - 3:10 pm	<i>"Endothelial dysfunction: A legacy of impaired glucose metabolism"</i>
3:10 - 3:15 pm Q&A	Dr. Madhulika Dixit, Ph.D. , Associate Professor, Dept. of Biotechnology, IIT Madras, Chennai, Tamil Nadu.
3:15 - 3:25 pm	<i>"A Nuclease ferries the dormant TB bacteria to safety zone: A novel escaperoute from the macrophage"</i>
3:25 - 3:30 pm Q&A	Dr. M. Saravanan, Ph.D. , Assistant Professor, Dept. of Biological Sciences and Bioengineering, IIT Kanpur.
3:30 - 3:40 pm	<i>"Bioprocess development for in vitro production of high-value Phytochemicals"</i>
3:40 - 3:45 pm Q&A	Dr. Smita Srivastva, Ph.D. , Assistant Professor, Department of Biotechnology, IIT Madras, Chennai.
3:55 - 5:00 Pm	Academia -Academia, Academia-Industry interaction (panel discussion)
7:30 - 10:00 pm	Inauguration follow by Gala Dinner

Monday 17th October, 2016

9:00 - 9:30 am	Topic
9:30 - 9:35 am Q&A	Prof. V. Nagaraja, Ph.D. , Dept. of Microbiology and Cell Biology, IISc., Bangalore.
Chairperson: Prof. Mahalingam, Ph.D., IIT Madras	
9:35 - 9:45 am	<i>"Infection-induced thymic atrophy"</i>
9:45 - 9:50 am Q&A	Prof. Dipankar Nandi, Ph.D. , Dept. of Biochemistry, IISc., Bangalore
9:50 - 10:00 am	<i>"Development of a nanoparticulate drug delivery system for the Treatment of diabetic retinopathy"</i>
10:00 - 10:05 am Q&A	Prof. Dharendra S. Katti, Ph.D. , Dept. of Biological Sciences and Bioengineering, IIT Kanpur, Kanpur.
10:05 - 10:15 am	<i>"Cell and nuclear mechanics in proteolytic and non-proteolytic invasion"</i>
10:15 - 10:20 am Q&A	Dr. Shamik Sen, Ph.D. , Assistant Professor, Dept. of Biosciences and Bioengineering, IIT Bombay.

10:20 - 10:30 am 10:30 - 10:35 am Q&A	<i>"Trans-dichlorooxovanadium (IV) complex as a novel photoinducible DNA interstrand crosslinker for cancer therapy"</i> Dr. Ganesh Nagaraju, Ph.D., Associate Professor, Dept. of Biochemistry, IISc., Bangalore.
10:35 - 10:45 am	Tea break
Chairperson:	
10:45 - 10:55 am 10:55 - 11:00 am Q&A	<i>"Structure-Function Studies of Various SHSPS Related to Several Human Diseases"</i> Dr. Ashis Biswas, Ph.D., Assistant Professor, School Basic Sciences, IIT Bhubaneswar.
11:00 - 11:10 am 11:10 - 11:15 am Q&A	<i>"Biofuels and enzyme production using Bioresources: Technology innovations and applications"</i> Dr. Sanjoy Ghosh, Ph.D., Associate Professor, Dept. of Biotechnology, IIT Roorkee, Roorkee.
11:15 - 11:25 am 11:25 - 11:30 am Q&A	<i>"Proteome expansion by translational read through"</i> Dr. Sandeep M. Eswarappa, Ph.D., Assistant Professor, Dept. of Biochemistry, IISc., Bangalore
11:30 - 11:40 am 11:40 - 11:45 am Q&A	<i>"Molecular dynamics simulations: A potential tool in structural biology"</i> Prof. Sanjib Senapati, Ph.D., Dept. of Biotechnology, IIT Madras, Chennai.
11:45 - 11:55 am 11:55 - 12:00 pm Q&A	<i>"Towards Development of Tau Directed Therapeutics for Alzheimer's Disease: A Post Translational Modification Perspective"</i> Dr. Sharad Gupta, Ph.D., Assistant Professor, Dept. of Biological Engineering, IIT Gandhinagar,
12:00 - 12:10 pm 12:10 - 12:15 pm Q&A	<i>"Molecular aspects of microbial degradation of aromatic pollutants"</i> Prof. Prashant S. Phale, Ph.D., Dept. of Biosciences and Bioengineering, IIT Bombay, Mumbai
12:15 - 1:15 pm	Lunch
1:15 - 1:45 pm 1:45 - 1:50 pm Q&A	Topic Prof. Mahalingam, Ph.D., Dept. of Biotechnology, IIT Madras, Chennai.
Chairperson: Prof. S. K. Srivastava, Ph.D., IIT BHU	
1:50 - 2:00 pm 2:00 - 2:05 pm Q&A	<i>"Targeting the ^hC5a-C5aR Signaling axes for Potential Drug Discovery"</i> Dr. Soumendra Rana, Ph.D., Assistant Professor, School Basic Sciences, IIT Bhubaneswar
2:05 - 2:15 pm 2:15 - 2:20 pm Q&A	<i>"SMC Proteins and Chromosome Architecture"</i> Dr. Shikha Laloraya, Ph.D., Associate Professor, Dept. of Biochemistry, IISc., Bangalore.
2:20 - 2:30 pm 2:30 - 2:35 pm Q&A	<i>"Targeting Nucleic Acid for Cancer and Neurological Diseases"</i> Dr. Amit Kumar, Ph.D., Assistant Professor, Dept. of Bioscience & Biomedical Engineering, IIT Indore
2:35 - 2:50 pm	Tea break

3:00 - 6:00 pm	Excursion
6:00 - 7:00 pm	Academia –Academia, Academia-Industry interaction (panel discussion)
8:00 – 10:00 pm	Dinner

Tuesday 18th October, 2016

9:00 - 9:30 am	<i>"Microtubule dynamics as anticancer drug target"</i>
9:30 - 9:35 am Q&A	Prof. Dulal Panda, Ph.D., Dept. of Biosciences and Bioengineering, IIT Bombay, Mumbai. Chairperson: Dr. Sharad Gupta, Ph.D., IIT Gandhinagar
9:35 - 9:45 am	<i>"Macroscopy to Microscopy: A biomedical imaging perspective - Introducing non-</i>
9:45 - 9:50 am Q&A	<i>invasive Photoacoustic Imaging"</i> Dr. S. Vasudevan, Ph.D., Assistant Professor, Dept. of Electrical Engineering, IIT Indore
9:50 - 10:00 am	Topic
1:00 - 10:05 am Q&A	Shri. Amit Chopra, Vice President and General Manager- India, Thermo Fisher Scientific India, Mumbai, India
10:05 - 10:15 am	<i>"Start-ups in the genomics Era"</i>
10:15 - 10:20 am Q&A	Dr. Mugasimangalam C. Raja, Ph.D., President, Founder and CEO, Genotypic Technology Pvt. Ltd.
10:20 - 10:30 am	<i>"Innovative approach to innovations through academic & industry collaborations"</i>
10:30 - 10:35 am Q&A	Dr. Rajendra H. Jani, Ph.D., Senior Vice President Clinical R&D, Cadila Health Care Limited, Mumbai.
10:35 - 10:45 am	Topic
10:45 - 10:50 am Q&A	Dr. Anuj Goel, Ph.D., Vice President, Biocon Limited, Bangalore.
10:50 - 11:00 am	Topic
11:00 - 11:05 am Q&A	Dr. Dhananjay Patankar, Ph.D., Head Pharmaceutical and Biopharmaceutical, Syngene International Limited, Bangalore.
10:05 - 11:15 am	Tea Break
11:15 - 11:25 am	<i>"Recent Trends In Biodegradable Polymers Production Technology & Their Potential</i>
11:25 - 11:30 am Q&A	<i>Application As Plastic Substituent"</i>

	Prof. Suresh Kumar Srivastava, Ph.D., Coordinator, School of Biochemical Engineering, IIT BHU, Varanasi.
11:30 - 11:40 am	Topic
11:40 - 11:45 am Q&A	Dr. Pradeep Srivastava, Ph. D., Associate Professor, School of Biochemical Engineering, IIT BHU, Varanasi.
11:45 - 12:30 pm	Academia –Academia, Academia-Industry interaction(panel discussion)
12:30 - 1:00 pm	Closing ceremony
1:00 - 2:00 pm	Lunch