

## School of Bioengineering

### SRM Institute of Science and Technology

#### Program Schedule

#### International Conference on New Horizons in Bioengineering: Fostering Academia-Industry Partnership ICB-24

DAY 1 – February 14, 2024 (Wednesday)			
8:30-9:30 AM	Registration		Dr. TP Ganesan Auditorium Main Hall
9.30 -10:00 AM	INAUGURATION		
Tea Break			
SESSION I Chair: Dr. N Selvamurugan			
10:30 – 11.15 AM	Key Note Lecture	<b>Rakesh Kumar Mishra</b> Director of Tata Institute for Genetics and Society, Bangalore, Karnataka, India  Topic: Trans-generational epigenetic inheritance of biotic and abiotic stress	Dr. TP Ganesan Auditorium Mini Hall I
11:15 -12:00 Noon	Plenary Talk 1	<b>Prof. Nicola C. Partridge,</b> Professor and Director at Department of Molecular Pathobiology, NYU Center for Skeletal and Craniofacial Biology, New York University College of Dentistry, USA  Topic: Structure and Function of the Skeleton in Health and Disease and Its Treatment	
12:00 AM- 12:24 PM	Plenary Talk 2	<b>Prof. Chandra Verma,</b> Senior Principal Investigator, Bioinformatics Institute, Agency for Science, Technology and Research, Singapore  Topic: Modelling guided Precision Medicine in the Clinic	
12:45 -1:30 PM	Plenary Talk 3	<b>Prof. Steeve H Thany,</b> Director of Physiology, Ecology and Environment Laboratory, University of Orleans, France	

		Topic: Pharmacology of cholinergic receptors involved in the control of the tick Ixodes ricinus salivary glands: exploring new compounds as acaricides	
Lunch Break			Dr. TP Ganesan Auditorium Mini Hall I
SESSION II Global Health Challenges Chair: Dr. D Velmurugan			
2:00 -2:45 PM	Plenary Talk 4	<b>Prof. Satoshi Murakami</b> Professor, Department of Life science and Technology, Tokyo Institute of Technology, Tokyo  Topic: Twenty years structural study of RND transporters, the most potent multidrug efflux transporters, of Gram-negative bacteria. ~ For overcoming the drug resistance problem	
2:45-3:30 PM	Plenary Talk 5	<b>Prof. J. Sivaraman,</b> Department of Biological Sciences, National University of Singapore, Singapore  Topic: Structural Basis for the Neutralization of Hepatitis E Virus by Monoclonal Antibodies for Vaccine Development	
3:30- 4:15 PM	Invited Talk 1	<b>Dr. Amit Sharma</b> Group Leader, Structural Parasitology International Centre for Genetic Engineering and Biotechnology New Delhi, India  Topic: Anti-Malarial Discovery - Progress and Approaches	Dr. TP Ganesan Auditorium Mini Hall II
Tea Break			
4:30 – 5:30 PM	ORAL PRESENTATIONS I		
4:30 -5:30 PM	POSTER PRESENTATIONS I		
5:30 -6:30 PM	Cultural Program		
DAY 2 – February 15, 2024 (Thursday)			
SESSION III Innovations in Medical Biotechnology Chair: Dr. M. Ramya			Dr. TP Ganesan Auditorium Mini Hall II
9:30-10:15 AM	Plenary Talk 6	<b>Dr. Indranil Biswas</b> Professor and Director of Microbiology Graduate Program Microbiology, Molecular Genetics, and Immunology, University of Kansas Medical Center, Kansas City, USA	

		Topic: Exploring Novel Drug Scaffolds Targeting ESCAPE Pathogens Revealed Through High-Throughput Screening.	
10:15-11:00 AM	Invited Talk 2	<b>Dr. Santhosh Kumar TR</b> Scientist G, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram, Kerala, India  Topic: Cell Engineering for Drug Discovery and Disease Modelling	
Tea Break			Dr. TP Ganesan Auditorium Mini Hall II
11:15 AM- 12:00	Invited Talk 3	<b>Dr. Sib Sankar Roy,</b> Chief Scientist and Head, Cell Biology and Physiology Division, CSIR-Indian Institute of Chemical Biology, Kolkata, West Bengal, India  Topic: Translational Cancer Research: Bridging the Gap between Bench and Bedside	
12:00-1:30 PM	ORAL PRESENTATIONS II		
12:00-1:30 PM	POSTER PRESENTATIONS II		
Lunch Break			Dr. TP Ganesan Auditorium Mini Hall II
SESSION IV Engineering Techniques and Biological Applications Chair: Dr. P Gurumoorthi			
2:00 -2:45 PM	Plenary Talk 7	<b>Prof. Ahmad Ziad Sulaiman,</b> Deputy Vice-Chancellor, University of Malaysia Pahang, Malaysia  Topic: Use of Ultrasound in Enhancing the Productivity of Biotechnological Processes	
2:45-3:30 PM	Invited Talk 4	<b>Dr. Sridhar Rajam,</b> Head, R&D, Cavin kare Pvt. Ltd., Chennai, Tamil Nadu, India  Topic: Bioengineering-driven specialty products in Personal Care & Hygiene domains in FMCG sector	
Tea Break			Dr. TP Ganesan Auditorium Mini Hall II
4:30-5:30 PM	ORAL PRESENTATIONS III		
4:30 -5:30 PM	POSTER PRESENTATIONS III		
DAY 3 – February 16, 2024 (Friday)			
SESSION V Emerging Techniques in Biomedical Applications Chair: Dr. Varshini Karthik			

9:30-10:15 AM	Plenary Talk 8	<b>Prof. Wan Khairunizam Wan Ahamad,</b> Faculty of Electrical Engineering Technology, Brain Machine Interface Research Group, University Malaysia Perlis, Malaysia  Topic: Enrichment of Human-Machine Interaction: A Brain-Computer Interface (BCI)	Dr. TP Ganesan Auditorium Mini Hall II
10:15-11:00 AM	Invited Talk 5	<b>Dr. V. Jayaraman,</b> Manager, Fresenius Medical Care India Pvt. Ltd., Chennai, Tamil Nadu, India  Topic: Advanced therapies in the renal field leading to better patient outcomes	
Tea Break			Dr. TP Ganesan Auditorium Mini Hall II
11:15 AM -12:00 Noon	Invited Talk 6	<b>Prof. S. Pushpavanam,</b> Department of Chemical Engineering, Indian Institute of Technology Madras, Chennai, Tamil Nadu, India  Topic: Paper-based micro-fluidics for point- of-care diagnostics	
12:00 -1:30 PM	ORAL PRESENTATIONS IV		
12:00-1:30 PM	POSTER PRESENTATIONS IV		
Lunch Break			
SESSION VI Industrial Partnership and Patent Law Chair: Dr. KM Ramkumar			
2:00-2:30 PM	Invited Talk 7	<b>Dr. Narayana Murthy Sekar,</b> Chief executive officer, Molway, Chennai, Tamil Nadu, India  Topic: Opportunities and Challenges In Industry and Academia Collaborations	
2.30 -3.00 PM	Invited Talk 8	<b>Dr. R. Bhanumathi,</b> Deputy Controller of Patent and Design, Patent Office, Chennai, Tamil Nadu, India  Topic: New Developments in Patent Law	
3:00-3:15 PM	Invited Talk 9	<b>Dr. Avrajit Chakraborty</b> Scientist Academic Lifecell Diagnostics Private Limited, Tamil Nadu, India  Topic: Pivotal Techniques and Future Prospects	
Tea Break			

3:15 to 4:15 PM	<b>VALEDICTORY</b>	Dr. TP Ganesan Auditorium Mini Hall II
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 <b>NAAC</b> A++	  <b>Category I</b> with 12B Status	 <b>(2023)</b> Ranked 1 <sup>st</sup> University	 <b>(2023) World Ranking</b> one among 41 Indian Universities	 <b>(2023) World Ranking</b> one among 75 Indian Universities	 <b>(2021)</b> Ranked 4 <sup>th</sup>	 <b>(2023) World Ranking</b> one among 14 Indian Universities
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