



Annual Review of Research,

inStem, February 2020

Talks: 150 seater Auditorium, inStem; Posters: Atrium, inStem

Sunday 23 February 645PM: Mixer and Dinner, SAB & Invitees

DAY 1

Monday 24th February

8:30 onwards	Registration – Faculty, Visitors <i>Auditorium Lobby</i>	
9:15- 9:30AM	Apurva Sarin	Welcome
	Cardiac Theme Chairperson:	
9:30-10:00AM	Sivaraj Sivaramakrishnan, University of Minnesota Twin Cities, USA	<i>Protein kinase inhibition: The challenges of a shifting structural landscape</i>
10:00-10:30AM	Dhandapany Perundurai	<i>Clinical genomics and molecular insights into hypertrophic cardiomyopathy</i>
10:30-11:00AM	Minhaj Sirajuddin	<i>Structure of heart ventricular walls at micron resolution</i>
11:00-11:30AM	REFRESHMENTS	
	TATA Institute for Genetics & Society - Centre at inStem Chairperson: Colin Jamora	
11:30-11:45 AM	Farah Ishtiaq	<i>Landscape genetics: a toolbox for studying vector-borne diseases</i>
11:45- 12:00PM	Sampath Kumar	<i>Genomic structural variants in Indian populations of An. stephensi.</i>
12:00-12:10PM	Q&A for FI and SK talks	
12:10-12:30PM	Bipin Nair, Amrita University School of Biotechnology & TIGS_CI	<i>Combating AMR: Strategies to target MDR Pseudomonas aeruginosa</i>
12:30-1:00PM	Poster Talks	
1:00-2:15PM	Lunch for SAB & Invitees	
2:30-4:00PM	POSTER SESSION-1	230-330PM
	Atrium	PROGRAMME REVIEW by SAB
3:30-4:00PM	HIGH TEA	Second Floor South Wing Meeting Room
	Integrative Chemical Biology Chairperson: Vinothkumar Kutti Raghunath, NCBS	
4:00-4:30PM	Dasaradhi Palakodeti	<i>Diverse roles of tRNAs in stem cells and during regeneration</i>
4:30-5:00PM	Praveen Vemula	<i>Small-molecules mediated repair of gut barrier dysfunction</i>
5:00-5:30PM	S Ramaswamy	<i>Natures solution to breaking a human-made strong Bond</i>
5:30-5:55PM	Gayathri Sadashivam & Neelagandan Kamariah	<i>Chemical Biology & Therapeutics program</i>
5:55-6:00PM	Q&A for GS and NK	
6:05-6:45PM	Plenary Talk-I Ashok Venkitaraman , University of Cambridge, UK and Collaborative Science Chair, inStem Insights into human cancer susceptibility from the BRCA2 tumour suppressor	
7:00PM	Dinner for SAB & Invitees	



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DAY 2

Tuesday 25th February

Time	Speaker/ event	
	Regulation of Cell Fate Chairperson: Sonia Sen, TIGS-Centre at inStem	
9:00 - 9:30AM	Jyotsna Dhawan, CCMB Hyderabad	TBA
9:30- 10:00 AM	Arvind Ramanathan	Lipid metabolism mediated control of the senescent state
10:00-10:30AM	Arjun Guha	Regulation of cellular plasticity in Drosophila: How tracheal cells switch from hyperplastic to hypertrophic growth
1030-11.00AM	REFRESHMENTS	
11:00-1130AM	Tina Mukherjee	Myeloid cells as mobile sensors of animal physiology
11:30-12:00 PM	Sunil Laxman	The Wealth of Cells: logic of amino acid supply and demand in a cellular economy
12:00-12:40PM	Poster Talks	
12:45-2:00PM	Lunch for SAB & Invitees	
2:00-4:00PM	POSTER SESSION-2 Atrium	Focused engagements with SAB
3:30-4:00PM	HIGH TEA (Atrium)	
	Tissue Inflammation & Homeostasis Chairperson: Dipayan Rudra, Institute for Basic Science, South Korea	
4:00-4:30PM	Srikala Raghavan	Non-Immune Functions of Resident Skin Macrophages
4:30-5:00PM	Colin Jamora	The Molecular Basis of Vascular Defects Driving Tissue Fibrosis
5:00-5:05PM	BREAK	
5:05-5:55PM	Plenary Talk-II Chairperson: Dimple Notalni, NCBS Azim Surani , Wellcome Trust/Cancer Research UK, Gurdon Institute at the University of Cambridge, UK. From genomic imprinting to the human germline and development	
6:10-7:00PM	SAB meetings (Coordinated by Dasaradhi Palakodeti)	
	Students registered for PhD	150 seater Auditorium, inStem
	Postdocs	100 seater hall, InStem
7:00PM	DINNER – SAB & Invitees	



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DAY 3

Wednesday 26th February

Time	Speaker/ event	
	Brain Development and Disease Mechanisms Chairperson: Upinder Bhalla, NCBS	
9:00-9:30AM	Shona Chattarji, NCBS	<i>Autism and "Astro"logy</i>
9:30-10:00AM	Vivek Benegal, NIMHANS, ADBS	<i>Clinical insights from the ADBS program (Accelerator Program on the Discovery of Brain Disorders using Stem Cells)</i>
10:00-10:30AM	Raghu Padinjat, NCBS, ADBS	<i>Disease in a dish models: insights into the cellular basis of brain disorders</i>
10:30-11:00AM	Bhavana Muralidharan	<i>Chromatin regulation of cortical development in health and disease</i>
11:00-11:30AM	REFRESHMENTS	
	Genetic Interventions for Blood Disorders Chairperson: Dasaradhi Palakodeti	
11:30-12:00PM	Debojyoti Chakraborti, Institute of Genomics & Integrative Biology, Delhi	<i>Joining the dots between precision and personalized medicines</i>
12:00-12:12PM	Saravanabhavan Thangavel CSCR-inStem, CMC Vellore	<i>CRISPR-Cas9 based gene editing approaches for gene therapy for hematological disorders</i>
12:12-12:24PM	Mohankumar K Murugesan CSCR-inStem, CMC Vellore	
12:25-12:30PM	Q&A for ST and MM	
12:30-1:00PM	Alok Srivastava, CSCR-inStem, CMC-Vellore	<i>Lentiviral vector based gene therapy for hematological disorders</i>
1:10-2:15PM	Lunch for SAB & Invitees	
2:30-5:00PM	POSTER SESSION-3 Atrium	SCIENTIFIC ADVISORY BOARD MEETING VENUE: BOARD ROOM, INSTEM
4:30-5:00PM	HIGH TEA (Atrium)	
5:00 -5:30PM	POSTERS AWARDS – 150-seater Auditorium	
5:30-6:30PM	Plenary Talk-III Chairperson: Anjana Badrinarayanan, NCBS Marco Foiani , Scientific Director, The FIRC Institute of Molecular Oncology Foundation (IFOM), Milan, Italy <i>Mechanisms coordinating chromosome replication and transcription</i>	
6:30-6:35PM	Vote of thanks	

Meeting Closes