



## Annual Review of Research,

inStem, March 2019

Talks: Auditorium, inStem; Posters: Atrium, inStem

### Monday 18<sup>th</sup> March

8:30-9:00AM	Registration – Faculty, Visitors <i>Auditorium Lobby</i>	
9:00- 9:15AM	Apurva Sarin	Welcome
	<b>Technologies for the Advancement of Science (TAS)</b> <b>Chairperson: Colin Jamora</b>	
9:15-9:40AM	S.Ramaswamy	It is all things Sweet - Sugar works!
9:40-10:05AM	Dasaradhi Palakodeti	All is well that ends well: Polyadenylation centered gene regulation in planarian stem cells.
10:05-10:30AM	PraveenVemula	Gut microbial metabolite-mediated repair of gut barrier dysfunction
10:30-10:55AM	Akash Gulyani	Twist in the tail: Uncovering new light sensors, networks and signalling
10:55-11:00AM	S. Ramaswamy	WhaTAS? -summary
11:00-11:30AM	REFRESHMENTS	<i>Atrium</i>
	<b>Centre for Chemical Biology &amp; Therapeutics (CCBT)</b> <b>Chairperson: AnjanaBadrinarayan, NCBS</b>	
11:30-11:50AM	MamathaNijaguna	Targeting phosphopeptide recognition to interrupt intracellular signalling: DNA damage signalling via the BRCA1 tBRCT domain
11:50-12:10PM	Siddharth De	Targeting phosphopeptide recognition to interrupt intracellular signalling: dual roles of the ECT2 tBRCT domain in mitotic cell division
12:10-12:30PM	JayaprakashPeriasamy	Early progress towards targeting protein-protein interactions that mediate intracellular signalling in infectious diseases
12:30-12:35PM	<i>Announcements-Posters</i>	<i>Praveen Vemula</i>
12:45-2:00PM	Lunch for SAB & Invitees	<i>First floor main canteen</i>
<b>2:00-4:00PM</b>	<b>POSTERS Atrium</b>	
3:30-4:00PM	REFRESHMENTS	
	<b>Centre for Inflammation &amp; Tissue Homeostasis (CITH)</b> <b>Chairperson: Hiyaa Ghosh, NCBS</b>	
4:00-4:25PM	Colin Jamora	Reinforcing the undifferentiated state of epithelial stem/progenitor cells
4:25-4:45PM	Shravanti Deshpande	Non histone methylation by EHMT1 in reprogramming and ageing
4:45-5:05PM	Srikala Raghavan	Junctional instability can override the intrinsic quiescence of stem cells
5:10-5:55PM	Chairperson: <i>Arjun Guha</i> <b>Utpal Banerjee, UCLAM</b> Metabolic control of Development and Developmental control of Metabolism	
6:00-7:00PM	Coordinator: <i>Dasaradhi Palakodeti (Malgova and Safeda, SLC)</i> Meeting with Students SAB: Helen Skaerand Alejandro Alvarado ++++ Meeting with Postdocs SAB: Utpal Banerjee and Mriganka Sur;	
7:00PM	Dinner for SAB & Invitees	<i>First floor main canteen</i>

## Tuesday 19<sup>th</sup> March

	<b>Centre for Cardiovascular Biology &amp; Disease (CCBD)</b> Chairperson: <i>S. Ramaswamy</i>	
9:00 - 9:25AM	Minhaj Sirajuddin	Journey to the center of the heart
9:25- 9:50AM	Dhandapany Perundurair	Faulty genes and failing hearts
	<b>Centre for Brain Development &amp;Repair (CBDR)</b> Chairperson: <i>Upinder Bhalla, NCBS</i>	
10:00-10:05AM	Shona Chattarji, NCBS	Centre for Neurodevelopmental Synaptopathies (CNS)
10:05-10:25AM	Olli Hardt, Univ. of Edinburgh	<i>TBA</i>
10:25-10:45AM	Aditi Bhattacharya	<i>TBA</i>
10:45-11:00AM	David Wyllie, Univ. of Edinburgh	<i>TBA</i>
11:00-1130AM	REFRESHMENTS	<i>Atrium</i>
11:30-11:50AM	Raghu Padinjat, NCBS	ADBS Programme
11:50-12:10 PM	Sanjeev JainNIMHANS	ADBS Programme
12:10-12:30PM	Mahendra Rao	ADBS Programme
12:45-1:45PM	Lunch for SAB & Invitees	<i>First floor main canteen</i>
<b>2:00-4:00PM</b> 3:30-4:00PM	<b>POSTERS</b> , Atrium REFRESHMENTS	
	<b>Centre for Stem Cell Research, CMC Vellore</b> Chairperson: <i>Srikala Raghavan</i>	
4:00-4:25PM	RV Shaji, CMC Vellore	Gene Therapy Program at CSCR
4:25-4:50PM	Dolly Daniel, CMC, Vellore	Haplobanking Project – An Update
4:50-5:00PM	BREAK	
	<b>Tata Institute for Genetics &amp;Society-Centre at InStem (TIGS-CI)</b> Chairperson: <i>Uma Ramakrishnan, NCBS</i>	
5:00-5:20PM	Suresh Subramani	Areas of research focus for the Tata Institute for Genetics and Society (TIGS) as a Center at inStem
5:20-5:40PM	Bipin Nair Amrita University	Reversing anti-microbial resistance in <i>Pseudomonas</i>
5:40-6:00PM	Baskar B.	Pathogen-mediated activation of effectors spread by gene drives
6:00-7:00PM	<b>Chairperson</b> <i>Raghu Padinjat, NCBS</i> <b>Mriganka Sur, MIT, Harvard</b> Cortical plasticity and brain disorders	
7:00PM	DINNER – SAB & Invitees <i>First floor main canteen</i>	

## Wednesday 20<sup>th</sup> March

	<b>Centre for Cellular Mechanobiology (CCM)</b> Chairperson: <i>Madan Rao, NCBS</i>	
9:30-9:55AM	GV Shivashankar, MBI, NUS & IFOM	<i>TBA</i>
9:55-10:20AM	Satyajit Mayor, NCBS	<i>TBA</i>
	<b>Regulation of Cell Fate (RCF)</b> Chairperson: <i>Dasaradhi Palakodeti</i>	
10:20-10:55AM	Apurva Sarin	Methionine metabolism controls T-regulatory cell survival
10:55-11:15AM	Sunil Laxman	How cells integrate amino acid sensing with carbon and nitrogen homeostasis using a modified tRNA
11:15-11:45AM	REFRESHMENTS	<i>Atrium</i>
11:45-12:05PM	Tina Mukherjee	Metabolic dependencies in Myeloid development and function
12:05-12:25PM	ArjunGuha	Regulation of the pulmonary stress response by the Fragile X Mental Retardation Protein (FMRP)
12:25-12:45PM	Arvind Ramanathan	Branched chain amino acid derived metabolic signals that control skeletal muscle homeostasis
1:00-2:00PM	Lunch for SAB & Invitees	<i>First floor main canteen</i>
<b>2:00-5:00PM</b>	<b>POSTERS</b>	<i>Atrium</i>
4:30-5:30PM	HIGH TEA	
5:30 -6:00PM	POSTERS AWARDS - Auditorium	
	<b>Chairperson: Raj Ladher, NCBS</b>	
6:00-6:45PM	<b>Alejandro S. Alvarado, Stowers Institute</b> Pluripotency beyond embryogenesis	
6:45-6:50PM	Vote of thanks	

**Scientific Meeting Closes**