

InSDB-2015

Venue: ICT-Auditorium, CCMB, Hyderabad

15-18 July 2015

Scientific Schedule

July 15th, 2015 (Wednesday)

Session I: Key Note (1830-1930)

1830-1845	Opening Address	15 mins
1845-1930	Philip Ingham Signals, Specification and Muscle Differentiation in the Zebrafish.	45 mins
2000	Dinner	

July 16th, 2015 (Thursday)

Session II: Cell Biology of Developmental Processes (0900-1105)

0900-0925	Maithreyi Narasimha Stochastic fluctuations in cell signaling and their influence on cell behavior, multicellular sensing and spatial patterning in a Drosophila epithelium.	25 mins
0925-0950	Madan Rao TBA	25 mins
0950-1015	Mahendra Sonawane Modulations in cell size, cell number and cell adhesion contribute towards the maintenance of epidermal homeostasis and integrity.	25 mins
1015-1040	Sandhya Koushika The complex roles of UNC-16/JIP3 in trafficking and regeneration	25 mins
1040-1105	Raghu Padinjat	25 mins

Size control in photosensitive membranes; Lessons from the Drosophila eye.

1105-1130 Tea

Session III: Plant Patterning and development (1130-1330)

- 1130-1155 **Imran Siddiqi** **25 mins**
TBA
- 1155-1220 **Kalika Prasad** **25 mins**
Regeneration: a journey from acquisition of competence to completion.
- 1220-1245 **Ram Yadav** **25 mins**
Understanding the inner functioning of shoot apex.
- 1245-1310 **Anjan Banerjee** **25 mins**
Moss (*Physcomitrella patens*) is an excellent model for understanding evolutionary crossroads in plant growth and development.
- 1310-1330 **Shivaprasad PV** **20 mins**
Insight into Small RNA biogenesis and their functions in plants.

1330-1500 Lunch/Posters-I

Session III: Plant Patterning and development Contd. (1500-1525)

- 1500-1525 **Utpal Nath** **25 mins**
Molecular control of organ size in plants.

Session IV: Stems cells and development (1530-1730)

- 1530-1555 **Maneesha Inamdar** **25 mins**
TBA
- 1555-1620 **Subramaniam K** **25 mins**
The *C. elegans* RNA-binding protein PUF-8 promotes niche-germline stem cell signaling via the ER protein FARL-11.

1620-1645	Lolitika Mandal TBA	25 mins
1645-1655	Platform Talk-1 TBA	10 mins
1655-1705	Platform Talk-2 TBA	10 mins
1705-1715	Platform Talk-3 TBA	10 mins
1715-1730	Daniel Koch, Senior Application Specialist Carl Zeiss 3D Imaging for Developmental Biology Applications	15 mins
1730-2000	Tea/Posters-II	
1930-2000	Executive council meeting	
2000	Dinner	

July 17th, 2015 (Friday)

Session V: Drosophila Development (0900-1105)

0900-0925	Pradip Sinha When developmental biology meets cancer research: interorgan communication during host-tumor interactions in Drosophila.	25 mins
0925-0950	Upendra Nongthomba Importance of proper Isoform and Stoichiometry of Structural Proteins during muscle assembly in Drosophila.	25 mins
0950-1015	Girish Ratnaparkhi SUMO Proteome for the Drosophila immune response.	25 mins
1015-1035	Monalisa Mishra Crumbs is required for the function and morphology of fly Johnston's organ.	20 mins

1035-1055	Pralay Majumdar	20 mins
	Many faces of myosin: perspective from cell migration	
1055-1105	Platform Talk-4	10 mins
	TBA	
1105-1130	Tea	

Session VI: Epigenetics, Aging and Regeneration (1130-1330)

1130-1155	Madhulika Srivastava	25 mins
	Understanding chromatin organization relevant for transcription and VDJ recombination	
1155-1220	Rakesh Mishra	25 mins
	Epigenetic regulation of bithorax complex and determination of features along the body axis.	
1220-1245	Sanjeev Khosla	25 mins
	DNMT3L facilitates accumulation and inheritance of epimutations in transgenic Drosophila.	
1245-1310	Dasaradhi Palakodeti	25 mins
	MicroRNA, miR-124 is essential for cephalic ganglion patterning and organization of optic chiasma during planarian regeneration.	
1310-1330	Akash Guliyani	20 mins
	Illuminating the landscape of neural regeneration: Evidence for multi-modal, innate light sensing and sensory processing in Planaria.	

1330-1540 **Lunch and Ethics Workshop Shubha Tole**

All delegates, **except those participating in ethics Workshop**, disperse for lunch.

Participants of Ethics Session follow the schedule below.

1300-1350	Ethics Session-Beginning (IICT-Auditorium)	20 mins
1350-1450	Ethics Session-lunch and Discussion (Lunch Area)	60 mins
1450-1535	Ethics Session- Ending (IICT-Auditorium)	45 mins

Session VI: Epigenetics, Aging and Regeneration Contd (1545-1730)

1545-1610	Arnab Mukhopadhyay	25 mins
	A chromatin modulator integrates nutrient sensing pathways to regulate longevity	
1610-1635	Shravanti Rampalli-Deshpande	25 mins
	Non-histone interaction of Ehmt1 regulate cellular aging.	
1635-1645	Platform Talk-5	10 mins
	TBA	
1645-1655	Platform Talk-6	10 mins
	TBA	
1655-1705	Platform Talk-7	10 mins
	TBA	
1705-1720	Manoj Manna, Application Specialist, DSS Image Tech	15 mins
	Advanced Imaging Solutions in modern developmental biology research.	
1720-1735	Leica Presentation	15 mins
	TBA	
1735-2000	Tea/Posters-III	
1930-2000	General Body Meeting	
2000	Dinner	

July 18th, 2015 (Saturday)

Session-VII: Developmental Neurbiology and neurodegeneration (0900-1105)

0900-0925	K. VijayRaghavan	25 mins
	TBA	
0925-0950	Madhu Tapadia	25 mins
	The Changing Hues of Immune Response: Role in Neurodegeneration.	
0950-1015	Jonaki Sen	25 mins

BMP signaling regulates multiple aspects of cortical development in the mouse.

1015-1040 **Aurnab Ghose** **25 mins**

FORMIN(g) neuronal filopodia and the development of neural circuits.

1040-1105 **Anuradha Ratnaparkhi** **25 mins**

A role for Dmon1 at the larval neuromuscular junction.

1105-1130 **Tea**

Session VIII: Vertebrate development (1130-1305)

1130-1155 **Amitabha Bandyopadhyay** **25 mins**

Development of a model explaining simultaneous development of joint cartilage and bone in adjacent regions of developing limb skeleton

1155-1215 **Sreelaja Nair** **20 mins**

Death Of A Non-Diploid: The Answers Beyond Dosage Compensation.

1215-1235 **Ramkumar Sambasivan** **20 mins**

Vertebrate head mesoderm development is divergent from that of trunk.

1235-1245 **Platform Talk-8** **10 mins**

TBA

1245-1255 **Platform Talk-9** **10 mins**

TBA

1255-1305 **Platform Talk-10** **10 mins**

TBA

Session IX: Conclusion (1305-1340)

1305-1330 **Subhash Lakhota** **25 mins**

Lessons from past and directions for future.

1330-1335 **Vote of thanks** **05 mins**

1400 **Lunch and departures**
