

ICCB 2018 - Program

Venue: Leonia Holistic Destination, Shameerpet, Hyderabad

Friday, January 26th, 2018	
REGISTRATION: 4.00 PM TO 7.00 PM (Venue: LOBBY of LICEC Arena Auditorium)	
Saturday, January 27th, 2018	
Breakfast 7.30-8.45 AM Venue: For Leonia occupants in their building, for Non-resident participants: at LICEC Lawns)	
REGISTRATION: 8.00 AM ONWARDS (Venue: LICEC Arena Auditorium)	
Time	PRE CONGRESS SESSION (Venue: LICEC Arena Auditorium)
9.30 – 10.30 AM	CELL BIOLOGY EDUCATION: The Role of the IFCB and the APOCB in Teaching and Training Cell Biology Students Coordinator, <i>Cynthia Jensen (New Zealand)</i> On building a satisfying scientific career based upon curiosity driven untargeted research – <i>Robert Goldman (USA)</i> The responsibilities of Publishers/Journals in fostering responsible research – <i>Bernd Pulverer (Germany)</i>
10.30-11.00 AM	Tea (Venue: Lawns beside LICEC Arena Auditorium)
11AM – 12 noon	RESEARCH INTEGRITY: How to share Reproducible Data – A View from the Journals Coordinator, <i>Bernd Pulverer, Editor-in-Chief, EMBO J (Germany)</i>
12 – 1 PM	CAREERS IN CELL BIOLOGY: Applying for Grants and Positions Coordinators, <i>Paul Matsudaira (Singapore) & LS Shashidhara (India)</i>
1 – 2 PM	LUNCH (Venue: Lawns beside LICEC Arena Auditorium)
2 – 2.20 PM 5 min each	Inaugural & Welcome by Presidents of Societies (Venue: LICEC Arena Auditorium) <i>Nobutaka Hirokawa</i> President, IFCB <i>Satyajit Mayor</i> President, APOCB <i>Jagat K Roy</i> President, ISCB
2.20 – 3 PM 3 – 3.40 PM	Curtain Raiser Talks: Chair: D. Balasubramanian HYDERABAD SCIENCE LECTURE: <i>Martin Chalfie (USA)</i> - GFP: Lighting Up Life ASCB LECTURE: <i>Jennifer A. Lippincott-Schwartz (USA)</i> - Emerging fluorescence technology to study the spatial and temporal dynamics of organelles
3.40 – 4.10 PM	TEA (Venue: Lawns beside LICEC Arena Auditorium)) [Meet the speakers-Venue: Round Tables in LICEC Auditorium]
4.10 – 6.20 PM 22 min each	Symposium 1: DISEASE BIOLOGY Chair: Raghu Kalluri (Venue: LICEC Arena Auditorium) Gene Silencing Therapy for Neurodegenerative disease - <i>Donald Cleveland (USA)</i> Role of Satellite RNAs in Breast Cancer– <i>Inder Verma (USA)</i> Gene and Stem Cell Therapy for Lung Injury: in vivo reprogramming of alveolar epithelial cells – <i>Cheng-Wen Wu (Taiwan)</i> Tumour suppressive mechanisms in the control of genome integrity - <i>Ashok Venkitaraman (UK)</i> Autophagy: Its Membrane Dynamics and Implications in Diseases - <i>Tamotsu Yoshimori (Japan)</i>
6.20 – 6.40 PM	TEA (Venue: Lawns beside LICEC Auditorium) [Meet the speakers-Venue: Round Tables in LICEC Arena Auditorium]
6.40 - 8.40 PM	POSTER SESSION – A (Venue: Pathway to LICEC Arena Auditorium) 6.40PM-8.00 PM [In parallel, Scientist-Clinician Meet: Novel molecular tools for diagnosis & treatment] Moderators: <i>Anurag Agarwal & G R Chandak</i> (Venue: LICEC IV Floor-Room LMR10)

	Inder Verma, Ashok Venkitaraman, Sudeep Gupta, C. Sundaram, Pallavi Kshetrapal, Sadhana Joshi, Shinjini Bhatnagar					
8.00 - 8.40PM	Mixer for all invited speakers, chairpersons, invitees (Venue: LICEC IV Floor-LMR10) *Introduction to Author Café (Sponsored by TNQ Press)					
8.40 PM	DINNER (Venue: Lawns beside LICEC Arena Auditorium)					
Sunday, 28th January, 2018						
Breakfast 7.30-8.45 AM Venue: For Leonia occupants in their building, for Non-resident participants: at LICEC Lawns)						
Time	Symposium 2: MOLECULAR MOTORS		Chair: Don W. Cleveland	(Venue: LICEC Arena Auditorium)		
9 – 11AM 22 min each	<p>A Cellular and Molecular Mechanism for Controlling Triglyceride Secretion from the Liver - Roop Mallik (India)</p> <p>The Molecular Motors, KIFs and Intracellular Transport: Regulation of Neuronal Functions, Development and Diseases - Nobutaka Hirokawa (Japan)</p> <p>Noisy and non-equilibrium dynamics of a molecular motor: wandering in a landscape or hopping on a network? - Debashish Chowdhury (India)</p> <p>Nano-engineering for discovery and mechanism related to motility systems – Minhaj Sirajuddin (India)</p>					
11 – 11.20 AM	TEA & Meet the speakers					
11 – 1 PM	POSTER SESSION-A Continues (Venue: Pathway to LICEC Arena Auditorium)					
10 min each	<p>12PM-1PM: Student talks for Awards Chair: Pradeep Burma (Venue: LICEC IV Floor –Room LMR10)</p> <p>Hita Sony Garapati (India) Shyam Sushama Jose (Czech Republic) Akriti Sharma (India) Madugula Viswanadh (Singapore) Adhish Walvekar (India)</p>					
1 – 2 PM	<p>LUNCH (Venue: Lawns beside LICEC Arena Auditorium)</p> <p>Special Session sponsored by PLoS Pathogens: Scientific Paper writing; Kasturi Haldar, Editor in Chief, PLoS Pathogens (Venue: LICEC IV Floor -LMR10)</p> <p>[IFCB Executive Committee Meeting] (Venue: Celestia Board Room)</p>					
2 – 4 PM	Mini Symposium 1: Signalling and post-translational modifications (Venue: Conclave Hall I-Room CSI)	Mini Symposium 2: Single cell organisms (Venue: LICEC IV Floor-Room LMR10)	Mini Symposium 3: Stem cells (Venue: LICEC Arena Auditorium)	Mini Symposium 4: Evolutionary cell biology (Venue: LICEC I Floor-Room LMR11)	Mini Symposium 5: Membranes and Cytoskeleton (Venue: Conclave Hall II-Room CSI)	Mini Symposium 6: Pathogens & Host responses (Venue: Conclave Hall III-Grand Hall)
	<p>Chair: E. Premkumar Reddy</p> <p>Cyclic GMP in the gut: from bacterial toxins to congenital human disease Sandhya Visveswaraiah (India)</p> <p>Regulation of cell shape, migration and differentiation by ubiquitination Krishna Rajalingam (USA)</p> <p>Protein pyrophosphorylation by inositol pyrophosphates Rashna Bhandari (India)</p>	<p>Chair: S.K. Apte</p> <p>Super-resolution imaging of Salmonella Pathogenesis Linda Kenney (USA)</p> <p>Bacterial primitive immune system triggered apoptosis for population benefit and long time survival V Nagaraja (India)</p> <p>EMBO YI lecture: Understanding the mechanism of chromosome segregation: insights from</p>	<p>Chair: Jyotsna Dhawan</p> <p>Regulation of energy metabolism in human pluripotent stem cells Maneesha Inamdar (India)</p> <p>tsRNAs regulate cell fate in embryonic stem cells Dasaradhi Palakodeti (India)</p> <p>Mediator subunit MED23 links pigmentation and DNA repair through the transcription factor MITF</p>	<p>Chair: Vidyanand Nanjundiah</p> <p>The evolution of C4 photosynthesis Julian Hibberd (UK)</p> <p>Possible and impossible cells Mukund Thattai (India)</p> <p>Multiple routes to the evolution of multicellularity Vidyanand Nanjundiah (India)</p> <p>Evolution of chromosome organisation in bacteria Aswin Seshasaayee (India)</p>	<p>Chair: Amitabha Chattopadhyay</p> <p>Mechanistic Insights into the Formation of Transport Carriers during Endocytic Recycling Thomas Pucadayil (India)</p> <p>Ouabain: a hormone that regulates cell adhesion Rubén Contreras (México)</p> <p>Understanding the Biogenesis and Function of</p>	<p>Chair: Kanta SubbaRao</p> <p>How microRNAs regulate the interplay between Mycobacterium tuberculosis and the macrophage Joyoti Basu (India)</p> <p>Remodeling of the malaria parasite and host human red cell by vesicle amplification that induces artemisinin resistance Souvik Bhattacharjee (India)</p>

	Raghu Padinjat	early-diverging trypanosomes Bungo Akiyoshi (UK) Cellular and molecular basis of the host-pathogen interactions: Unfolding new definitions towards therapeutic intervention strategies Shailja Singh (India)	Gang Wang (China) Chemical-Mediated Somatic Cell Reprogramming and Transdifferentiation Xin Xie (China) Short talks chosen from Abstracts Deepa Subramanyam (India) Purna Sham Gadre (India) Tsung-Hsien Chuang (Taiwan)	Evolution and origin of nuclear envelope proteins Krishnaveni Mishra (India) Short talks chosen from Abstracts Amit Koul (Canada) Parsifal Fidelio Islas Morales (Saudi Arabia)	Tunneling Nanotubes Sivaram Mylavarapu (India) Short talks chosen from Abstracts Wenting ZHAO (Singapore) Jani Reddy Bolla (UK) Anil Patidar (India) Koji Tsutsumi (Japan)	Short talks chosen from Abstracts Rajesh Chandramohanadas (Singapore) Sheetal Gandotra (India) Vasudevan Seshadri (India) Omer Shariff (Singapore)
4 – 4.30 PM	TEA on the lawns					
4.30 - 6.00 PM 22 min each	Symposium 3: PATHOGENS & INFECTION Chair: Gagandeep Kang (Venue: LICEC Arena Auditorium)					
	Transport and packaging of influenza viral RNA – Kanta Subbarao (Australia)					
	A molecular mechanism of artemisinin resistance in Plasmodium falciparum malaria- Kasturi Haldar (USA)					
	Delineation of a TNF-mediated macrophage necrosis pathway that is pathogenic in tuberculosis– Lalita Ramakrishnan (USA)					
6.00– 6.45 PM 30 min talk	J. Das Memorial Lecture Chair: Jagat K. Roy (Venue: LICEC Arena Auditorium)					
	Signalling Mechanisms during Cell Proliferation and Phagocytosis in the Protozoan Parasite <i>Entamoebahistolytica</i> - Alok Bhattacharya (India)					
6.45- 7.15	TEA on the lawns					
7.15 – 9.00 PM	POSTER SESSION -A Continues (Venue: Pathway to LICEC Arena Auditorium)					
7.15 – 9.00 PM	Venue: LICEC Arena Auditorium Special Synergy Session “Building a Biotech Start-up: Opportunities from Cell Biology” – Coordinators : N Madhusudhana Rao & Uday Saxena - Hon’ble Minister of State for Science and Technology, and Earth Sciences, Govt of India –Shri Y.S Chowdary - CEO Andhra Pradesh Economic Development Board- Shri J. Krishna Kishore - Deidre Coombe, E Premkumar Reddy, S. Ramaswamy, Gayathri Saberwal, Ashok Venkitaraman, Raghu Kalluri, Ramesh Byrapaneni					
9.00 PM	DINNER (Venue: Lawns beside LICEC Arena Auditorium)					

Monday, 29th January, 2018

Breakfast 7.30-8.45 AM Venue: For Leonia occupants in their building, for Non-resident participants: at LICEC Lawns)

	Symposium 4: BUILDING TISSUES Chair: Maithreyi Narasimha (Venue: LICEC Arena Auditorium)					
9.00 – 11.00AM 22 min each	<p>EMBO Global Lecture: Control and self-organization of cell mechanics during tissue morphogenesis - Thomas Lecuit (France)</p> <p>Differential roles of actin cytoskeleton in blood vessel formation - Li-Kun Phng (Japan)</p> <p>How to make, maintain and break epithelial barriers: Integrating adhesion, polarity and signaling - Carien M. Niessen (Germany)</p> <p>Re-building a kidney - Mellisa Little (Australia)</p> <p>Cell-cell junctions, mechano-transduction, and epithelial homeostasis - Alpha Yap (Australia)</p>					
11 – 11.20 AM	TEA & Meet the speakers (Round tables at back of LICEC Arena Auditorium)					
11 – 1 PM	POSTER SESSION – B (Venue: Pathway to LICEC)					
11AM-12 noon 10 min each	<p>STUDENT TALKS FOR AWARDS Chair: Jagat K. Roy (Venue: LICEC IV Floor-LMR10)</p> <p>Ankur Sharma (Singapore) M. Arockia Catherin (India) Anup Padmanabhan (Singapore) Anagha Acharekar (India) Adwait Sathe (USA)</p>					
1.00 PM – 2.00 PM	<p>LUNCH (Venue: Lawn beside LICEC) [APOCB Executive Committee Meeting] (Venue: Celestia Board Room)</p>					
2 PM – 4 PM	<p>Mini Symposium 7: Organoid Models (Venue: Conclave I-CSI)</p>	<p>Mini Symposium 8: Approaches to disease biology (Venue: Conclave II-CSI)</p>	<p>Mini Symposium 9: Damage, Autophagy & Apoptosis (Venue: Conclave III-Grand Hall)</p>	<p>Mini Symposium 10: Cell fate & regulation by the niche (Venue: LICEC IV Floor-LMR10)</p>	<p>Mini Symposium 11: STUDENT TALKS FOR AWARDS (Venue: LICEC Arena Auditorium)</p>	<p>Mini Symposium 12: Cell Biology in Plant systems (Venue: LICEC I Floor-LMR11)</p>
15 min talks 10 min short talks	<p>Chair: K. Manohar</p> <p>The making of miniature eyes: Organogenesis in vitro Indumathi Mariappan (India)</p> <p>iPSC-derived human brain organoids to model brain development and diseases Jay Gopalakrishnan (Germany)</p> <p>Glandular organoids for the regeneration of radiation damaged tissues Rob P Coppes (Netherlands)</p> <p>Patient Tissue- and Cell-</p>	<p>Chair: Rita Mulherkar</p> <p>Fragile X syndrome: of mice and men Shona Chattarji (India)</p> <p>Attenuation of Yki-driven transcription by promoter proximal-pausing of RNA Polymerase II activity: implications on growth control L.S.Shashidhara (India)</p> <p>The Odyssey that is Invadolysin: from ugly chromosomes to serum protease Margarete Heck (UK)</p> <p>Attenuation of polycyclic aromatic</p>	<p>Chair: Ghanshyam Swarup</p> <p>Notch signaling and the control of cell fate through metabolic programming Apurva Sarin (India)</p> <p>Cellular senescence responses to low dose radiation exposure Dmitri Klokov (Canada)</p> <p>TRIMs: Critical regulator of Trioka: Autophagy, inflammation and cell death Rajesh Singh (India)</p> <p>Specific G-quadruplex ligands promote pro-apoptotic splicing Ian Eperon (UK)</p>	<p>Chair: Maneesha Inamdar</p> <p>Pericytes as micro-environmental regulators of the skin regenerative potential of human epidermal stem and progenitors Pritinder Kaur (Australia)</p> <p>Metabolic control of mammalian pre-implantation development Utpal Banerjee (USA)</p> <p>Myogenin is required in zebrafish for muscle cell fusion and growth but not terminal differentiation Simon Hughes (UK)</p>	<p>Chair: B.N. Singh</p> <p>Shampa Deb Chanda (India) Bhupana Jagannatham Naidu (Taiwan) Vidhya Lakshmi. A (India) Amulya Yaparla (USA) Balaji Venkataraman (India) Tilak Kumar Gupta (Germany) Ajoy Aloysius (India) Kabir Hassan Biswas (Singapore)</p>	<p>Chair: Usha Vijayraghavan</p> <p>Control of male gametogenesis in Arabidopsis Imran Siddiqi (India)</p> <p>Root growth regulation by interconnected steroid hormone and environmental signals Savaldi Goldstein (Israel)</p> <p>Signalling and modulation of plant immunity Justin Lee (Germany)</p>

	<p>Based 3-Dimensional Models for Validation of New Drugs, Targets and Biomarkers in Cancer and Immune-Inflammatory Diseases Jugnu Jain (India)</p> <p>Bio-engineering of functional 3D human tissues and organoids Arun Chandru (India)</p> <p>Organ-on-a-chip technology as alternatives to animals and translational model Subrahmanyam Vangala (India)</p> <p>Short talks chosen from Abstracts</p> <p>Umadevi Kandalam (USA) Paresh Shrimali (India)</p>	<p>hydrocarbon (PAH)-mediated lung carcinogenesis in mice by omega-3-fatty acids B Moorthy (USA)</p> <p>Glutamate excitotoxicity in the microenvironment of glioblastoma Nandakumar (India)</p> <p>Engineering Exosomes for treatment of cancer and other diseases Valerie LeBleu (USA)</p> <p>Short talks chosen from Abstracts</p> <p>Divya Raghuram (Singapore)</p>			<p>Dhruv Kumar Shakyawar (India)</p> <p>Shan Zhang (Singapore)</p> <p>Short talks chosen from Abstracts</p> <p>Mary Cathrine Madekurozwa (South Africa) Ming Jer Tang (Taiwan) Aninda Mitra (Singapore) Sameer Thukral (India)</p>	<p>Progress and problems of different aspects of lichens in Iran M. Haji Moniri (Iran)</p> <p>Precisely-regulated Expression of MADS29 Plays an Indispensable Role in Starch Accumulation and Embryo Development in Rice Sanjay Kapoor (India)</p> <p>Short talks chosen from Abstracts</p> <p>M. V. Rajam (India) Yelam Sreenivasulu (India) Divya Chandran (India) Kamal Kumar Mulukani (India)</p>
4.00 PM – 4.30 PM	TEA					
4.30 PM – 6.30 PM 22 min	<p>Symposium 5: CELL DIVISION Chair: Imran Siddiqi (Venue: LICEC Arena Auditorium)</p> <p>EMBO Global Lecture: Maintaining genomic stability in mitosis - Jonathan Pines (UK)</p> <p>EMBO Global Lecture: New insights into mitotic chromosome formation and architecture - William Earnshaw (UK)</p> <p>Centriole dynamics during human development - Gerald P Schatten (USA)</p> <p>Functions for non-centrosomal microtubule networks in differentiated cells - Terry Lechler (USA)</p> <p>Mechanisms of Centriole Assembly - Pierre Gonczy (Switzerland)</p>					
6.30 – 7 PM	TEA [Meet the speakers]					
7 PM	<p>CULTURAL EVENT LEELAVATHI by Jhelum Paranjape; A Dance Ballet on Teaching Mathematics (Venue: LICEC Arena Auditorium)</p>					
8.30 PM	DINNER (Venue: Lawns beside LICEC Arena Auditorium)					

Tuesday, 30th January, 2018	
Breakfast 7.30-8.45 AM Venue: For Leonia occupants in their building, for Non-resident participants: at LICEC Lawns)	
9 – 11 AM 22 min each	<p>Symposium 6: DISCOVERY of GPI ANCHORS 30 Year Anniversary Chair: Anant K Menon (Venue: LICEC Arena Auditorium) Sponsored by New England Biolabs</p> <p>EMBO Global Lecture: The structures of glycosylphosphatidylinositol (GPI) membrane anchors & what they tell us about GPI-protein transport, processing and function - Mike Ferguson (UK)</p> <p>Dynamics and spatial organisation of GPI anchored proteins reveal an active actin membrane composite at the cells' edge - Satyajit Mayor (India)</p> <p>Structural remodeling of GPI-anchors, its roles and regulations - Morihisa Fujita (China)</p>

	The biosynthesis of GPI anchors and human diseases - <i>Taroh Kinoshita (Japan)</i>					
11 – 1 PM	TEA [Meet the speakers] & POSTER SESSION – B Continues (Venue: Pathway to LICEC Arena Auditorium)					
1.00 – 2.00 PM	LUNCH (Venue: Lawns beside LICEC Arena Auditorium) [ISCB executive meeting (Venue: Celestia Board Room)] [In parallel, EMBO Session on 'The Road toward Open Science'– <i>Bernd Pulverer</i> (Venue: LICEC IV Floor-Room LMR10)]					
2 – 4.00 PM	Mini Symposium 13: RNA & Chromatin dynamics (Venue: Conclave I-Room CSI)	Mini Symposium 14: Physical basis of Cellular Organization (Venue: Conclave II-Room CSI)	Mini Symposium 15: Organelle biology (Venue: Conclave III-Room Grand Hall)	Mini Symposium 16: Translational Cell Science & Advances in Imaging (Venue: LICEC Arena Auditorium)	Mini Symposium 17: Neural cell biology (Venue: LICEC I Floor-Room LMR11)	Mini Symposium 18: The aging cell (Venue: LICEC IV Floor-Room LMR10)
Talks 15 min each 10 min each short talks	Chair: Rakesh K Mishra RNA splicing: control by proteins and RNA G-quadruplexes <i>Ian C Eperon (UK)</i> Role of the histone methyltransferase, SUV39H1, during mycobacterial infection <i>Sanjeev Khosla (India)</i> From signaling to chromatin in plant innate immunity <i>Heribert Hirt (Saudi Arabia)</i> Measuring cell-cycle related DNA damage responses on a cell-by-cell basis from microscopic image analysis <i>Aprotim Majumdar (India)</i> Chromatin organizer SATB2 plays crucial role in cellular movements and cell fate determination <i>Sanjeev Galande (India)</i> Short talks chosen from Abstracts Hsing-Jien Kung (Taiwan) Arulanandam Arockia Jeyaprakash (UK)	Chair: Shamik Sen Physical principles governing active organization on the cell surface <i>Madan Rao (India)</i> Geometric control of genome programs <i>G.V. Shivashankar (Italy)</i> The dynamics of actomyosin rings <i>Karsten Kruse (Switzerland)</i> DNA-bending non-histone proteins can make regular 30-nm chromatin structure unviable <i>Ranjith Padinhateeri (India)</i> Physical regulation of ECM degradation: implications in cancer invasion <i>Shamik Sen (India)</i> Short talks chosen from Abstracts Rishita Changede (Singapore) Akshada J Khadpekar (India)	Chair: K. Thangaraj Numtogenesis as a mechanism of development of cancer <i>Keshav K Singh (USA)</i> Probing cell structure by atomic force microscopy <i>Luis F. Jiménez-García (Mexico)</i> Mitochondrial dynamics and function in <i>Drosophila</i> stem cell differentiation <i>Richa Ricky (India)</i> Differential Regulation of Core Transition Zone and Centriole Components Contributes to Ciliary Base Diversity <i>Swadhin Chandra Jana (Portugal)</i> Short talks chosen from Abstracts Souvik Modi (India) Bon-chu Chung (Taiwan) M. Lucia S. Guther (UK)	Chair: Melissa Little Understanding Ras signaling and targeting the undruggable cancer target <i>E. Premkumar Reddy (USA)</i> Dermal fibroblast extracellular matrix directs keratinocyte differentiation <i>Deirdre Coombe (Australia)</i> Plasmotretropin, an essential Plasmodium protein, is a target of HIV protease inhibitors and a candidate for a whole organism malaria vaccine <i>Puran Singh Sijwali (India)</i> Next Generation of Malaria Diagnostics for Use in Austere Areas: Looking into the Future <i>John Waitumbi (Nigeria)</i> Phenotypic Plasticity in Tumor Stratification <i>Sharmila Bapat (India)</i> CryoEM applications in cell biology <i>(Nie Xin, FEI, Singapore)</i> Cryo CLEM - The Combination Of Cryo Fluorescence Microscopy with Cryo Electron Microscopy (<i>Girish Maurya, Leica</i>)	Chair: Jay Gopalakrishnan Glycogen synthase protects neurons under physiological stress by activating autophagy and increasing neuronal glycogen levels <i>S Ganesh (India)</i> Deficient Wnt signalling triggers synapse degeneration: implications in Alzheimer's Disease <i>Patricia Salinas (UK)</i> <i>A novel concept for radial glia self-renewal and differentiation</i> <i>Fumio Matsuzaki (Japan)</i> Sensing across scales: Visualizing cellular dynamics, natural light sensing and neural regeneration <i>Akash Gulyani (India)</i> Short talks chosen from Abstracts Surajit Sarkar (India) K Naga Mohan (India) Rohit Joshi (India) Ashutosh Kumar (India)	Chair: K.P. Gopinathan Euchromatic histone methyltransferase regulate heterochromatin organization during aging <i>Shravanthi Rampalli (India)</i> Understanding muscle stem cell regenerative decline with aging <i>Pura Muñoz (Spain)</i> Understanding diet-gene interactions that regulate organismal longevity <i>Arnob Mukhopadhyay (India)</i> Short talks chosen from Abstracts Neetu Maria Abraham (India) Renu Pandey (India) Srinadh Choppa (India)
	4.00 – 4.30 PM	TEA (Venue: Lawns beside LICEC Arena Auditorium)				

4.30 – 6.00 PM 22 min each	<p>Symposium 7: TRANSPORT WITHIN CELLS Chair: Roop Mallik (Venue: LICEC Arena Auditorium)</p> <p>EMBO Global Lecture: Regulation of Clathrin-mediated Endocytosis - <i>Sandra Schmid (USA)</i></p> <p>Moving lipids within cells - <i>Anant K Menon (USA)</i></p> <p>EMBO Global Lecture: Insights into organelle compartmentalization - <i>Anne Spang (Switzerland)</i></p>
6.00-6.30 pm	<p>Special session on Human Disease Genetics and the Indian Population: Opportunities for Cell Biology Discovery Partnerships</p> <p>The promise of discovering population-specific disease-associated genes in South Asia <i>K. Thangaraj (India)</i></p> <p>Accelerator program for Discovery in Brain disorders using Stem cells: A novel resource for investigating the cellular basis of neurological disease <i>Raghu Padinjat (India)</i></p> <p>(Sponsored by NCBS-Pratiksha Trust)</p> <p>Genetic and Epigenetic Basis of Diabesity in Indians <i>Giriraj Chandak (India)</i></p>
6.30 – 7 PM	<p>TEA [Meet the speakers] (Venue: Lawns beside LICEC Arena Auditorium)</p>

7 – 9 PM 22 min each	<p>Symposium 8: MECHANICAL FORCES IN CELL BIOLOGY Chair: Satyajit Mayor (Venue: LICEC Arena Auditorium)</p> <p>Mechanical forces in vascular health and disease - <i>Martin A. Schwartz (USA)</i></p> <p>Control of Growth and Death by Rigidity Sensing Contractions - <i>Michael Sheetz (Singapore)</i></p> <p>The structure and function of intermediate filaments - <i>Robert Goldman (USA)</i></p> <p>Mechanical tension during Zebrafish gastrulation - <i>Paul Matsudaira (Singapore)</i></p>
9 PM	<p>CAMPFIRE DINNER (Venue: Lawns beside LICEC Arena Auditorium)</p>

Wednesday, 31st January, 2018

Breakfast 7.30-8.45 AM Venue: For Leonia occupants in their building, for Non-resident participants: at LICEC Lawns)

8.30 – 10.30 AM 22 min each	<p>Symposium 9: DEVELOPMENT Chair: Terry Lechler (Venue: LICEC Arena Auditorium)</p> <p>Heterogeneity and collectivity in cell behaviour during morphogenesis: lessons from a Drosophila epithelium – <i>Maithreyi Narasimha (India)</i></p> <p>Stress Granules mediate metabolic adaptation by directing local remodeling of cellular architecture and resources - <i>Daniel Kaganovich (Israel)</i></p> <p>Defining in vivo stem cell dynamics during growth and regeneration - <i>Peter Currie (Australia)</i></p> <p>Alternative modes of epithelial cell polarity - <i>Daniel St. Johnston (UK)</i></p>
10.30 – 11 AM	<p>TEA [Meet the scientists] (Venue: Lawns beside LICEC Arena Auditorium)</p>
11 – 1 PM 22 min each	<p>Symposium 10: CRYO EM and Sub cellular Complexes Chair: Paul Matsudaira (Venue: LICEC Arena Auditorium)</p> <p>Understanding Biological Processes with Cryo-Electron Tomography - <i>Wah Chiu (USA)</i></p> <p>In situ structures of the bacterial type IV secretion system by electron cryotomography – <i>Debnath Ghoshal (USA)</i></p> <p>Realising the full potential of electron cryomicroscopy - <i>Vinothkumar (India)</i></p> <p>Atomic resolution cryo-EM – <i>Sriram Subramaniam (USA)</i></p>
1 – 2 PM	<p>LUNCH ((Venue: Lawns beside LICEC Arena Auditorium)</p> <p>ISCB General Body Meeting (Venue: LICEC IV Floor (LMR10) Lunch will be provided at Venue)</p>

2 – 2.40 PM	Special Congress Lecture: Wolfgang Baumeister (Germany) Chair: R. Sankaranarayanan (Venue : LICEC Arena Auditorium) Structural Biology in situ: The Promise and Challenges of Cryo-Electron Tomography
2.45 – 4 PM	IA- SCIENCE POLICY SESSION on Global Challenges: Policies for Funding Research - Moderator: Shahid Jameel (Venue : LICEC Arena Auditorium) K. VijayRaghavan, Girish Sahni, Indian Science Academy Presidents, Vineeta Bal, LS Shashidhara, Bill Earnshaw, Donald Cleveland, Bernd Pulverer, Mike Ferguson
4 PM – 5 PM	CLOSING SESSION: Awards and Acknowledgements
	HIGH TEA & Departures
Thursday, 1st February, 2018	
8AM-1PM:	IA-IBS workshop on "Careers in Cell Biology" Venue: IICT Auditorium, CCMB, Uppal Road, Habsiguda, Hyderabad 500 007