

**47<sup>TH</sup> ALL INDIA CELL BIOLOGY CONFERENCE & INTERNATIONAL SYMPOSIUM on**  
**'Cell in Action'**

**SCHEDULE**

**Day 0: December 15, 2024; Sunday**

07:00 PM - 08:30 PM

**EXECUTIVE BODY MEETING**

**08:30 PM - 09:30 PM: Conference Dinner**

**Day 1: December 16, 2024; Monday**

07:30 AM – 08:45 AM

Registration and Breakfast

08:45 AM – 09:30 AM

**Inaugural Session**

08:45 AM – 09:15 AM

Welcome Address

09:15 AM – 09:30 AM

Presidential Address: Surendra Ghaskadbi, President, ISCB

09:30 AM – 10:15 AM

**Keynote Address:**

Chairperson – Surendra Ghaskadbi

**Thomas C. G. Bosch**, Zoological Institute, University of Kiel, Germany  
*A microbial perspective on animal development and behaviour*

**10:15 AM – 10:45 AM TEA BREAK**

10:45 AM – 11:35 AM

**SCIENTIFIC SESSION I – Cell Signalling and Cellular Trafficking**

Chairperson – Subhash C. Lakhota

10:45 AM – 11:10 AM

**Ashim Mukherjee**, BHU Varanasi

*Regulation of Notch signaling by Multiple Ankyrin repeat containing protein Mask*

11:10 AM - 11:35 AM

**Shravan Kumar Mishra**, IISER Mohali

*A glucose-responsive deubiquitination (DUB) module at the Golgi*

**11:35 AM – 11:45 AM BREAK**

11:45 AM – 01:00 PM

**SCIENTIFIC SESSION II – Cell Functions and Disease Biology**

Chairperson – Gopal C. Kundu

- 11:45 AM - 12:10 PM **S. Ganesh**, IIT Kanpur  
*Functional similarities between normal ageing and neurodegenerative disorders*
- 12:10 PM - 12:35 PM **Indrani Datta**, NIMHANS, Bengaluru  
*Astrocytic Dysregulation by  $\alpha$ -Synuclein: Impacts on Dopaminergic Neuronal Dysfunction*
- 12:35 PM - 01:00 PM **Shantibhusan Senapati**, ILS Bhubaneswar  
*Deciphering the molecular and functional heterogeneity in mice pancreatic fibroblasts and their implication in pancreatic cancer*
- 01:00 PM – 02:00 PM LUNCH BREAK**
- 02:00 PM – 04:00 PM **POSTER PRESENTATION SESSION – I**
- 03:30 PM - 04:00 PM TEA BREAK**
- 04:00 PM – 05:15 PM **ORAL STUDENT PRESENTATION SESSION – I**  
Chairperson – **P. K. Singh**  
  
[8 Min Talk + 2 Min discussion]
- 05:15 PM – 05:45 PM Evening Snacks**
- 05:45 PM - 07:00 PM **SCIENTIFIC SESSION III – Autophagy and Programmed Cell Death**  
Chairperson – **Pritha Ray**
- 05:45 PM - 06:10 PM **Shweta Saran**, JNU New Delhi  
*The lysosomal two-pore channel 2 (TPC2) is NAADP-dependent and regulates, growth, development and autophagy in Dictyostelium discoideum*
- 06:10 PM - 06:35 PM **Sachin Kumar**, CSIR – CDRI Lucknow  
*Understanding the inflammasome and DNA damage-cytoskeletal axis in neutrophil death outcomes*
- 06:35 PM - 07:00 PM **Lolitika Mandal**, IISER Mohali  
*Nutrient availability regulates Autophagy mediated miRNA-mRNA clearance in blood cells*

07:00 PM – 07:30 PM

**Round Table Interaction Session I**

07:30 PM - 08:15 PM

**GENERAL BODY MEETING**

**08:30 PM - 09:30 PM: Conference Dinner**

## **Day 2: December 17, 2024; Tuesday**

07:30 AM – 08:45 AM

Breakfast

08:45 AM – 09:00 AM

Interaction

09:00 AM – 09:40AM

**Keynote Address:**

Chairperson – **Jagat Roy**

**Benjamin White**, National Institute of Mental Health, U.S.

*From Cells to Circuits: Tools for Identifying the Neural Substrates of Behavior*

09:40 AM – 11:20 AM

**SCIENTIFIC SESSION IV – Plant Sciences**

Chairperson – **Alok Sinha**

09:40 AM - 10:05 AM

**Prabodh Kumar Trivedi**, CSIR-CIMAP Lucknow

*Transcriptional junk: a key regulator in diverse biological processes*

10:05 AM - 10:30 AM

**Manoj Majee**, NIPGR, New Delhi

*SKIP31: A New Component in ABA hormone Signaling to Modulate Seed Maturation*

10:30 AM - 10:55 AM

**Y. Sreelakshmi**, University of Hyderabad, Hyderabad

*Harnessing mutant population and natural accessions for biofortification of folate in tomato fruits*

10:55 AM - 11:20 AM

**Debabrata Laha**, IISc Bangalore

*Molecular Control of Cell Signaling by the Inositol Pyrophosphate Messengers in Land Plants*

**11:20 AM – 11:50 AM TEA BREAK**

11:50 AM - 01:05 PM

**ORAL STUDENT PRESENTATION SESSION –II**

Chairperson - **Abhijit De**

**01:05 PM – 02:00 PM LUNCH BREAK**

02:00 PM – 04:00 PM

**POSTER PRESENTATION SESSION – II**

**03:30 PM – 04:00 PM TEA BREAK**

04:00 PM – 05:00 PM

**Prof. S. P Ray Chaudhuri Award Lecture**

Chairperson - **Surendra Ghaskadbi & Sathees Raghavan**

05:00 PM – 05:50 PM

**SCIENTIFIC SESSION V - Developmental Biology**

Chairperson – **Ritu Trivedi**

05:00 PM - 05:25 PM

**Girish Ratnaparkhi**, IISER Pune

*Caspar specifies primordial germ cell count and identity in *Drosophila melanogaster**

05:25 PM - 05:50 PM

**P.C. Reddy**, Shiv Nadar University Delhi-NCR

*A short story on the evolution of neuropeptides and the dawn of neurons*

**05:50 PM – 06:20 PM Evening Snacks**

06:20 PM – 07:10 PM

**SCIENTIFIC SESSION VI - Cell biology in Therapeutics and Medicine**

Chairperson – **Debasis Dash**

06:20 PM - 06:45 PM

**Bikash Ranjan Pattnaik**, University of Wisconsin – Madison USA

*Central dogma provides the framework for molecular medicine*

06:45 PM - 07:00 PM

**Ruthrotha Selvi Bharathavikru**, IISER Berhampur

*Understanding the Interplay of RNA modification and Subcellular Localization of RNP Complexes in Renal Stress Biology*

07:00 PM – 07:10 PM

Sponsorship Talk: Cactus Global

07:10 PM – 07:40 PM

**Round Table Interaction Session II**

07:40 PM - 08:45 PM

**Cultural Program (Odissi/Musical)**

**08:45 PM – 10:00 PM: Conference Dinner**

## Day 3: December 18, 2024; Wednesday

07:30 AM – 08:45 AM	Breakfast
08:45 AM - 09:00 AM	Interaction
09:00 AM - 11:15 AM	<b><u>SCIENTIFIC SESSION VII – Physics of Life</u></b> Chairperson – V. Nanjundiah
09:00 AM - 09:10 AM	<b>V. Nanjundiah</b> , ICTS Bengaluru <i>Introduction to the session ‘Physics of Life’</i>
09:10 AM - 09:35 AM	<b>Vijay Krishnamurthy</b> , ICTS Bengaluru <i>The physics of asymmetric ingression during cytokinesis</i>
09:35 AM - 10:00 AM	<b>Namrata Gundiah</b> , IISc Bengaluru <i>Mechanobiological Mechanisms Drive Phenotypic Plasticity of Fibroblasts Under Prolonged Shear Stress</i>
10:00 AM - 10:25 AM	<b>Gautam Menon</b> , Ashoka University Sonapat <i>Modeling Axonal Transport</i>
10:25 AM – 10:50 AM	<b>Pramod Pullarkat</b> , RRI Bengaluru <i>Mechanical responses of axons--differential contributions from the actin-spectrin periodic lattice and microtubules</i>
10:50 AM – 11:15 AM	<b>Maithreyi Narasimha</b> , TIFR Mumbai <i>Shaping and moving cell cohorts during morphogenesis: the importance of being morphodynamically and mechanically heterogeneous</i>
<b>11:15 AM – 11:45 AM TEA BREAK</b>	
11:45 AM – 01:00 PM	<b><u>ORAL STUDENT PRESENTATION SESSION – III</u></b> Chairperson – Chandan Goswami  [8 Min Talk + 2 Min discussion]
<b>01:00 PM – 02:00 PM LUNCH BREAK</b>	
02:00 PM – 03:00 PM	<b><u>Prof. Rita Mulherkar Award Lecture</u></b> Chairperson – Bhupen N. Singh & Sathees Raghavan
03:00 PM – 04:15 PM	<b><u>SCIENTIFIC SESSION VIII – Host-Pathogen Interaction</u></b> Chairperson – A J Rachael

03:00 PM– 03:25 PM **Asima Bhattacharyya**, NISER Bhubaneswar  
*The Cell Surface Adhesion Molecule CEACAM6 at the Crossroads of Hypoxia and Helicobacter pylori Infection.*

03:25 PM – 03:50 PM **Dibyendu Samanta**, IIT Khargpur  
*E-cadherin Mediated Cell-to-Cell Adhesion in Health and Diseases*

03:50 PM – 04:15 PM **Sunil K. Raghav**, ILS Bhubaneswar  
*Targeting host immune-metabolic switch to control Mycobacterium tuberculosis pathogenesis*

**04:15 PM – 04:45 PM TEA BREAK**

**04:45 PM – 05:40 PM** **SCIENTIFIC SESSION IX - Integrative Biology**  
Chairperson – **Rupasri Ain**

04:45 PM - 05:10 PM **Inderjeet Kaur**, LVPEI Hyderabad  
*Targeting lipid metabolism towards reducing the risk of ROP among preterm infants*

05:10 PM - 05:25 PM **Sonal Nagarkar-Jaiswal**, CCMB Hyderabad  
*Inseparable/IER3IP1 are essential for cytokinesis in Drosophila neuroblast and human cells*

05:25 PM - 05:40 PM **Ramakrishna Kancha**, Osmania University Hyderabad  
*Evaluation of invertebrates as pre-clinical models to assess cardiotoxicity of targeted cancer therapeutics*

**05:40 PM – 06:10 PM Evening Snacks**

**06:10 PM – 06:55 PM** **SCIENTIFIC SESSION X - Faculty Talks**  
Chairperson – **Raj Kamal Tripathi**

06:10 PM - 06:25 PM **Swapnil Shinde**, IIT Bombay  
*Endosulfan targets centrosome-primary cilia to downregulate hedgehog signalling, affecting skeletal, brain and gonad development*

06:25 PM - 06:40 PM **Sujit Kumar Bhutia**, NIT Rourkela  
*Understanding role of MTP18-DRP1 fission signaling in mitochondrial proliferation and degradation*

06:40 PM - 06:55 PM **Rakesh Kumar Majhi**, IIT Kanpur  
*Lysosomal – Mitochondrial crosstalk via TRPML1 channel in Natural Killer cells*

**06:55 PM - 07:45 PM** **VALEDICTORY FUNCTION – Award distribution and Vote of Thanks**

07:45 PM – 10:00 PM

Special Dinner

**Day 4: December 19, 2024; Thursday**

07:30 AM – 09:00 AM

Breakfast

09:00 AM - 12:00 PM

Dispersal

XXXXXXXXXXXXXXXXXXXXXXXXXX