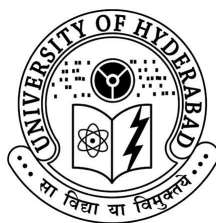


**XXXIII ALL INDIA CELL BIOLOGY CONFERENCE 2009  
&  
INTERNATIONAL WORKSHOP ON CELL CYCLE  
REGULATION**

**December 10-13, 2009**

**SCIENTIFIC PROGRAMME**

**Venue: DST Auditorium  
University of Hyderabad**



**SCHOOL OF LIFE SCIENCES  
UNIVERSITY OF HYDERABAD  
HYDERABAD – 500 046  
INDIA**

**December 10, 2009**

**REGISTRATION & INAUGURAL SESSION**

<b>Registration 10:00 am to 1:00 pm</b>
<b>Inauguration &amp; Presidential address (3:30 pm to 4:45 pm)</b>
<b>Tea break (4:45 pm to 5:00 pm)</b>

**(5:00 pm to 7:45 pm)**

**TECHNICAL SESSION I**

**CHROMOSOME STRUCTURE AND DYNAMICS**

<b>Plenary /Keynote Lectures</b>	
<b>PL-1</b>	<b>(5:00 pm to 5:25 pm )</b> <b>Uttam Surana</b> , National University of Singapore, Singapore <i>Coping with wounded chromosomes: arrest, recovery and adaptation</i>
<b>PL-2</b>	<b>(5:30 pm to 5:55 pm)</b> <b>Shiv Grewal</b> , National Institutes of Health, Bethesda, USA <i>RNAi-mediated epigenetic control of the genome</i>
<b>PL-3</b>	<b>(6:00 pm to 6:25 pm)</b> <b>Satyajit Mayor</b> , National Center for Biological Sciences, Bangalore, India <i>Active membrane organization in living cells: manufacturing membrane rafts</i>
<b>KL-1</b>	<b>(6:30 pm to 6:50 pm)</b> <b>Sanjeev Galande</b> , National Centre for Cell Science, Pune, India <i>Acetylation of chromatin organizer SATB1: A double-edged sword for regulation of gene expression upon Wnt signaling</i>
<b>KL-2</b>	<b>(6:55 pm to 7:15 pm)</b> <b>Tapas Kundu</b> , Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India <i>Role of post translational modifications in regulation of multifunctional nucleolar protein NPM1: Implications in cancer manifestation</i>
	<b>(7:30 pm to 8:20 pm)</b> <i>Cultural Programme</i>
<b>WELCOME DINNER (8:20 pm)</b> Sponsored by <b>The Wellcome Trust - DBT India Alliance</b>	

**December 11, 2009**

**(8:30 am to 11:30 am)**  
**TECHNICAL SESSION 2**

**PROTEIN TRAFFICKING & CELL CYCLE REGULATION**

<b>Plenary/Keynote Lectures/ Short Talks</b>	
<b>PL-4</b>	<b>(8:30 am to 8:55 am)</b> <b>Debkumar Pain</b> , University of Medicine and Dentistry of New Jersey, New Jersey, USA <i>Nucleotide-dependent iron homeostasis and iron-sulfur cluster biogenesis in mitochondria</i>
<b>PL-5</b>	<b>(9:00 am to 9:25 am)</b> <b>Andrew Dancis</b> , University of Pennsylvania, Philadelphia, USA <i>Biogenesis of an essential conserved Fe-S cluster protein of the mitochondrial intermembrane space</i>
<b>PL-6</b>	<b>(9:30 am to 9:55 am)</b> <b>Anuradha Lohia</b> , Bose Institute, Kolkata, India <i>Uncoupling of cell cycle events leads to genetic heterogeneity in <i>Entamoeba histolytica</i></i>
<b>PL-13</b>	<b>(10:00 am to 10:25 am)</b> <b>Samir Bhattacharya</b> , Visva-Bharati Central University, Bolpur, India <i>Insulin resistance in skeletal muscle is orchestrated by lipid induced molecules and its meaningful therapeutic intervention</i>
<b>KL-5</b>	<b>(10:30 am to 10:50 am)</b> <b>Sundarasamy Mahalingam</b> , Indian Institute of Technology, Chennai, India <i>Functional studies on Ras effector, RASSF5</i>
<b>ST-1</b>	<b>(10:55 am to 11:05 am)</b> <b>Kanika Bajaj</b> , (Randy Schekman's lab) University of California, Berkeley, USA <i>Molecular analysis of trafficking of the giant cargo: Type-1 Procollagen from the endoplasmic reticulum</i>
<b>ST-2</b>	<b>(11:05 am to 11:15 am)</b> <b>Sunil Parthasarathy</b> , (Prof. S. Dayananda's lab) University of Hyderabad, Hyderabad, India <i>Transport of prefolded protein across the bacterial inner membrane: Dissecting the organophosphate hydrolase (OPH) interactome and role of Tat specific signal peptide in membrane targeting of the OPH complex</i>
<b>TEA BREAK (11:15 am to 11:30 am)</b>	

**December 11, 2009**

**(11:30 am to 1:10 pm)**  
**TECHNICAL SESSION 3**

**STEM CELL BIOLOGY**

<b>Plenary /Keynote Lectures/ Short Talks</b>	
<b>KL-6</b>	<b>(11:30 am to 11:50 am)</b> <b>Jyotsna Dhawan</b> , National Center for Biological Sciences, Bangalore, India <i>Quiescence and stem cell function: Benefits of a modest lifestyle</i>
<b>KL-7</b>	<b>(11:55 am to 12:15 pm)</b> <b>Annapoorni Rangarajan</b> , Indian Institute of Science, Bangalore, India <i>Immortalization and transformation of mammary stem cells in vitro</i>
<b>KL-8</b>	<b>(12:20 pm to 12:40 pm)</b> <b>Geeta Vemuganti</b> , LV Prasad Eye Institute, Hyderabad, India <i>Stem cell research in ophthalmology: Good model of regenerative medicine</i>
<b>PL-7</b>	<b>(12:45 pm to 1:10 pm)</b> <b>Agapios Sachinidis</b> , Centre of Physiology and Pathophysiology, University of Köln, Germany <i>Generation, characterization and transcriptomic analysis of Murine embryonic stem cell-derived smooth muscle cells</i>
<b>LUNCH AND POSTER SESSION (1:10 PM to 3:30 PM)</b>	

**(3:30 pm to 7:00 pm)**  
**TECHNICAL SESSION 4**

**SYSTEMS APPROACH TO BIOLOGY**

<b>Plenary /Keynote Lectures/Short Talks</b>	
<b>PL-8</b>	<b>(3:30 pm to 3:55 pm)</b> <b>Animesh Ray</b> , Keck Graduate Institute, California, USA <i>From genetics through networks to function: How the cell cycle readjusts</i>
<b>PL-9</b>	<b>(4:00 pm to 4:25 pm)</b> <b>Sudipto Das</b> , Thomas Jefferson University & Hospital, Philadelphia, USA <i>Mitochondrial dynamics: molecular determinants of mitochondrial movement and their regulation</i>
<b>KL-9</b>	<b>(4:30 pm to 4:50 pm)</b> <b>Pawan K Dhar</b> , Riken, Japan <i>Synthetic Biology: making genes from junk DNA</i>
<b>KL-10</b>	<b>(4:55 pm to 5:15 pm)</b> <b>Utpal Tatu</b> , Indian Institute of Science, Bangalore, India <i>Molecular chaperones as potential drug targets against malaria</i>

<p><b>KL-11</b> (5:20 pm to 5:40 pm)  <b>Sreekanth H Chalasani</b>, Salk Institute for Biological Sciences, San Diego, USA  <i>Dissecting neural circuit controlling behavior in C. elegans</i></p>
<p><b>TEA BREAK (5:45 pm to 6:00 pm)</b></p>
<p>(6:00 pm to 6:50 pm)  <b>Prof. J. Das Memorial Lecture</b>  <b>Prof. A. Surolia</b>,  Director, National Institute of Immunology, New Delhi  <i>The link between Dementia and Cataract</i></p>
<p>(7:00 pm to 8:00)  <i>Cultural Programme</i></p>
<p><b>DINNER (8:00 pm)</b></p>

**December 12, 2009**

**(8:30 am to 1:00 pm)**

**TECHNICAL SESSION 5**

### CELLULAR RESPONSE TO HUMAN DISEASES

<b>Plenary /Keynote Lectures/Short Talks</b>
<p><b>PL-10</b> (8:30 am to 8:55 am)  <b>Rakesh Kumar</b>, George Washington University, Washington D.C. USA  <i>Cell biology at the cross-road of cancer biology</i></p>
<p><b>PL-11</b> (9:00 am to 9:25 am)  <b>Madiraju Murty, V. V. S.</b> The University of Texas Health Science Centre at Tyler, USA  <i>Phospholipids modification and Mycobacterium tuberculosis survival strategy</i></p>
<p><b>PL-12</b> (9:30 am to 9:55 am)  <b>Kumar Somasundaram</b>, Indian Institute of Science, Bangalore, India  <i>Essential role of P13 kinase pathway in p53-mediated transcription: implication in cancer chemotherapy</i></p>
<p><b>KL- 4</b> (10:00 am to 10:20 am)  <b>Naresh Babu V. Sepuri</b>, University of Hyderabad, Hyderabad, India  <i>Function of mitochondrial Stat3 in cellular respiration</i></p>
<p><b>PL-14</b> (10:25 am to 10:50 am)  <b>Jyoti Basu</b>, University of Calcutta, Calcutta, India  <i>Cellular death signaling pathways and their implications in Mycobacterium tuberculosis infection</i></p>
<p><b>TEA BREAK (11:00 am to 11:30 am)</b></p>

(11:30 am to 12:20 pm)

**University of Hyderabad Distinguished Lecture**

**Jörg Hacker**

Robert Koch Institute, Germany.

*Pathogenic Escherichia coli – Model organisms to study microbe – host interaction processes*

**ST-3** (12:30 pm to 12:40 pm)  
**Sravanth Hindupur Kumar**, (Annapoorni Rangarajan's lab) Indian Institute of Science, Bangalore, India  
*Simian virus 40 small T antigen activates AMPK and triggers autophagy to protect cancer cells from nutrient deprivation*

**ST-4** (12:40 pm to 12:50 pm)  
**Megha Saraswath Sharma**, Wellcome Trust-DBT India Alliance, Hyderabad  
*The Wellcome Trust/DBT India Alliance: New funding opportunities for biomedical researchers*

**ST-5** (12:50 pm to 1:00 pm)  
**Sudipta Maitra**, (Samir Bhattacharya's lab) Visva-Bharati University, Santiniketan, India  
*A novel inhibitor of mitotic cell cycle in perch oocytes*

**LUNCH BREAK & POSTER SESSION (1:00 pm to 4:00 pm)**

(4:00 pm to 8:00 pm)

**TECHNICAL SESSION 6**

**CELL - CELL COMMUNICATION**

**Plenary/Keynote Lectures/Short Talks**

**PL-16** (4:00 pm to 4:25 pm)  
**Imran Siddiqi**, Centre for Cellular Molecular Biology, Hyderabad, India  
*Asexual seed formation in plants*

**KL-12** (4:30 pm to 4:50 pm)  
**Utpal Nath**, Indian Institute of Science, Bangalore, India  
*Control of cell proliferation and organ shape in plants*

**KL-13** (4:55 pm to 5:15 pm)  
**B. C. Tripathy**, Jawaharlal Nehru University, New Delhi, India  
*Non-essentiality of Tic 62 and Tic 55 the putative components of protein import apparatus of chloroplasts*

**ST-6** (5:20 pm to 5:30 pm)  
**Kallakuri S**, (B. Mechler's lab) German Cancer Research Institute, Heidelberg, Germany  
*Interplay between Drosophila importin- $\alpha$ 2,- $\beta$  and kelch during oogenesis and early embryogenesis*

**TEA BREAK (5:30 pm to 5:50 pm)**

<p><b>KL-14</b> (5:50 pm to 6:10 pm)  <b>Nasreen Z. Ehtesham</b>, National Institute of Nutrition, Hyderabad, India/ Institute of Life Sciences, Hyderabad University Campus, Hyderabad – 500 046  <i>B-cell response of novel M.tb antigens as a function of therapy</i></p>
<p><b>KL-15</b> (6:15 pm to 6:35 pm)  <b>Suman Kumar Dhar</b>, Special Centre For Molecular Medicine, New Delhi, India  <i>Control of DNA replication initiation and cell cycle regulation in human malarial parasite Plasmodium falciparum</i></p>
<p><b>ST-7</b> (6:40 pm to 6:50 pm)  <b>Pradeep Kumar Bhaskar</b>, (Mousumi Mutsuddi's lab) Banaras Hindu University, Varanasi, India  <i>Functional and molecular characterization of dlin-52 in Drosophila</i></p>
<p>General Body Meeting of Indian Society of Cell Biology (6:50 pm to 7:50 pm)  (8:00 pm onwards)  <b>CONFERENCE DINNER</b>  <b>ELLA SUITES, Gachibowli Hyderabad</b></p>

**December 13, 2009**

**(8:30 am to 12:20 pm)**  
**TECHNICAL SESSION 7**

### **MOLECULAR INFECTION BIOLOGY**

#### **Plenary/Keynote Lecturers/Short Talks**

<p><b>PL-18</b> (8:30 am to 8:55 am)  <b>Reinhard Kurth</b>, Robert Koch Institute, Berlin, Germany  <i>Beneficial and detrimental effects of human endogenous retroviruses</i></p>
<p><b>PL-19</b> (9:00 am to 9:25 am)  <b>Seyed E Hasnain</b>, University of Hyderabad, Hyderabad, India  <i>Mycobacterium tuberculosis adopts novel mechanisms for survival and pathogenesis</i></p>
<p><b>PL-20</b> (9:30 am to 9:55 am)  <b>K. Muniyappa</b>, Indian Institute of Science, Bangalore, India  <i>Homologous Recombination in Mycobacteria: Protein Structures, Mechanism And Regulation</i></p>
<p><b>ST-8</b> (10:00 am to 10:10 am)  <b>Prayag Murawala</b>, (Joman Joseph's lab) National Centre for Cell Science, Pune, India  <i>Functional interaction between Nup358 and APC regulates cell polarity</i></p>
<p><b>ST-9</b> (10:10 am to 10:20 am)  <b>P. Nagesh</b>, (Dr. Krishnaveni Mishra's Lab) University of Hyderabad, Hyderabad, India  <i>Role of SUMOylation in yeast heterochromatin establishment</i></p>

**TEA BREAK (10:20 am to 10:40 am)**

**PL-21** (11:40 am to 12:05 pm)  
**V. Nagaraja**, Indian Institute of Science, Bangalore, India  
*Alternate approaches to target DNA topoisomerases from Mycobacteria*

**KL-16** (12:10 pm to 12:30 pm)  
**Jagan Pongubala**, University of Hyderabad, Hyderabad, India  
*Gene regulatory networks orchestrating B cell fate commitment*

**ST-10** (12:35 pm to 12:45 pm)  
**Sandeep Shrivastava**, (Amitabha Chattopadhyay's lab) Centre for Cellular and Molecular Biology, Hyderabad, India  
*Effect of metabolic cholesterol depletion on function and dynamics of the human serotonin<sub>1A</sub> receptor*

**ST-11** (12:45 pm to 12:55 pm)  
**Mamta Jain**, (Maneesha Inamdar's lab) Jawaharlal Nehru Advanced Scientific Research Centre, Bangalore, India  
*Rudhira regulates cell migration through actin reorganization in microtubule-dependent manner*

**1:00 to 1:45 pm**

**Valedictory function**

**Lunch 1:45 pm onwards**