



**October 12-13, 2017**  
**University of Hyderabad**

### Program Schedule

**Day 1: Thursday, October 12, 2017**

**Venue: SLS Auditorium, UoH**

	<b>Topic</b>	<b>Faculty</b>
8.30	Registration	
9:30-9:40	Welcome address by Dean, SLS, UoH	Prof. Pallu Reddanna
9:40-9:50	Address by Vice Chancellor, UoH	Prof. Appa Rao Podile
9:50-10:10	Address by Guests of Honor	Shri Madan Mohan Reddy, Chairman, Pharmexcil; Director, Aurobindo Pharma Ltd. & Dr.Suresh Narayanan, COO, ABLE
10:10-10:50	Keynote address	Dr. Pramath Raj Sinha, Former Dean, ISB, Hyderabad; Founder of Ashoka University
10:50-11:20	High Tea	
<b>Session theme: Molecular Mechanisms in Cell Physiology</b> <b>Chair Persons: Prof. Mrinal Bhattacharyya &amp; Dr. Santosh Kumar Padhi</b>		
11:20-11:40	Structure to signaling: Understanding roles and mechanisms of non-coding RNAs in bacteria.	Dr. Arati Ramesh, NCBS, Bangalore
11:40-12:00	Regulation of nuclear size and shape	Prof. Krishnaveni Mishra, Department of Biochemistry, UoH
12: 00-12:20	Measuring cell-cycle dependent DNA damage responses on a cell-by-cell basis from image analysis	Dr. Aprotim Mazumder, TIFR Center for Interdisciplinary Sciences, Hyderabad
12:20-12:30	Decoding chromatin dynamics during B cell fate commitment	Ravi Boya, Department of Animal Biology, UoH
12:30-12:40	Dynamic regulation of AMPK and RUNX2 during osteogenic and adipogenic commitment	Chava Suresh, Department of Animal Biology, UoH

12:40-12:50	Glutathionylated human mitochondrial Mia40 (CHCHD4) is required for cytochrome C stability and complex IV biogenesis.	Venkata Ramana Thiriveedi, Department of Biochemistry, UoH
12:50-13:00	Polymorphic dynamics of ribosomal proteins gene expression during somatic cell reprogramming and their differentiation in to specialized cell-types	Prashanth Kumar Guthikonda, Department of Animal Biology, UoH
13:00-13:10	RUNX1 Regulation: Role of miRNAs in Neonatal vs Adult Megakaryocytopoiesis.	Sanjeev Raghuvanshi, Department of Biochemistry, UoH
13:10 -14:10	Lunch Break	
<b>Session theme: Molecular Mechanisms of Pathogenesis-A</b> <b>Chair Persons: Prof. Jagan Pongubala &amp; Dr. Bindu Madhava Reddy</b>		
14:10-14:30	HIV and Mycobacteria: understanding the cellular and molecular events behind the emerging syndemic	Prof. Sharmistha Banerjee, Department of Biochemistry, UoH
14:30-14:40	Small molecule inhibitor of <i>Plasmodium</i> Rad51 displays synergy with anti-malarial drug, Artemisinin.	Pratap Vydyam, Department of Biochemistry, UoH
14:40-14:50	Genome dynamics and functional molecular infection epidemiology of multidrug resistant <i>Helicobacter pullorum</i> isolated from retail wet poultry market in India.	Shamsul Kumar, Department of Biotechnology and Bioinformatics, UoH
14:50-15:00	A Novel Role of HIF1 $\alpha$ -ZEB2 axis in the Pathogenesis of Proteinuria	Krishna Murthy. N, Department of Biochemistry, UoH
15:00-15:10	Podophyllotoxin and Rutin modulate M1 phenotype of iNOS+ macrophages and mitigate pro-inflammatory immune responses in lethally irradiated mice.	Dr. Vinod Nadella, School of Life Sciences, UoH
15:10-15:30	Functional Analysis of Intra tumor Heterogeneity through CRISPR-Barcoding	Dr. Sathish Mungamuri, Mount Sinai Hospital, New York
15:30-15:50	The chronicle of Indian subcontinent: origin, health and disease perspectives	Dr. K. Thangaraj, CCMB, Hyderabad
15:50-17:00	High Tea & Poster session	
17:30-19:00	Cultural evening	Venue: Savitri Bai Phule auditorium (DST auditorium)

**Day 2: Friday, October 13, 2017**

**Venue: SLS Auditorium, UoH**

<b>Time</b>	<b>Topic</b>	<b>Faculty</b>
<b>Session theme: Molecular Mechanisms of Pathogenesis-B</b> <b>Chair Persons: Prof. Anand Kumar Kondapi &amp; Dr. Pankaz Singh</b>		
9:30-9:50	Evolutionary dynamics of genome organization	Dr. Kuljeet Singh, NIPER, Mohali
9:50-10:10	Chemosensitizers for antibiotic resistance	Dr. MK Arunasree, Department of Animal Biology, UoH
10:10-10:30	Application of Nanotechnology in Vaccinology	Dr. Nooruddin Khan, Department of Biotechnology & Bioinformatics, UoH
10:30-10:40	Cholesterol induced asymptomatic dyslipidemia alleviates tuberculosis through impaired mitochondrial function in human macrophages and is rescued by small molecule M1	Suman Asalla, Department of Biochemistry, UoH
10:40-10:50	An <i>In Vivo</i> Combination trail with Miltefosine and Withaferin A for treatment of Experimental Visceral Leishmaniasis	BharadwajaVadloori, Department of Animal biology, UoH
10:50-11:00	Role of HPIP signaling in cancer cell survival and metastasis under hypoxia	Saratchandra KH, Department of Biochemistry, UoH
11:00-11:10	Primary 2D and 3D colorectal cancer cell cultures to establish colorectal cancer cell lines from Indian patients with cancer stem cells properties	Dr. Sandhya Singh, Department of Animal Biology, UoH
11:10-11:30	Tea Break	
<b>Session theme: Plant Biology and Biotechnology</b> <b>Chair Persons: Prof. Ch Venkata Ramana &amp; Dr. Irfan Ahmed Ghazi</b>		
11:30-11:50	A multi-dimensional approach to understand evolution of drought tolerance in rice	Dr. Saurabh Raghuvanshi, Dept. of Plant Molecular Biology, South Campus, University of Delhi
11:50-12:10	Lead Molecules from Medicinal Plants: Prospects for the Drug Development	Prof. Sarada D. Tetali, Department of Plant Sciences, UoH
12:15-12:25	Genome engineering of tomato for better agri-traits	Dr. Rahul Kumar, Department of Plant Sciences, UoH
12:25-12:35	Characterization of novel indole based melanin from <i>Rubrivivax benzoatilyticus</i> JA2.	Shabbir, Department of Plant Sciences, UoH
12:35-12:45	Insecticidal protease inhibitors from the seeds of <i>Cajanus cajan</i> wild-relative, <i>Rhynchosia sublobata</i>	S. S. Mohanraj, Department of Plant Sciences, UoH

	(Schumach.) Meikle and their effect on larval growth of castor semilooper, <i>Achaea janata</i>	
12:45-12:55	Heat-Induced Programmed cell death is mediated by an Ssl2245-Sll1130 Toxin-Antitoxin system in the cyanobacterium, <i>Synechocystis</i> sp. PCC 6803	Afshan Srikumar, Department of Biotechnology and Bioinformatics, UoH
12:55-13:05	Targeted Genome Editing for generating Parthenocarpic Tomato	Dr. Sapna Nongmaithem Department of Plant Sciences, UoH
13:05-14.15	Lunch Break	
14:15-14.30	My entrepreneurial journey and the lessons learnt	Dr. KK Narayanan, Adviser, Metahelix, Bangalore
14:30-16:00	<p><b><u>Panel Discussion</u></b>  <b>"How can academia get into applied research and entrepreneurship?"</b>  Dr. Uday Saxena, DRILS, Hyderabad, Moderator</p> <ol style="list-style-type: none"> <li>1. Dr. K. K. Narayanan, Advisor Metahelix, Bangalore</li> <li>2. Dr. N. Madhusudhana Rao, Consultant Scientist, CCMB, Hyderabad</li> <li>3. Dr. Atif Alam, Senior Business Dev. and Project manager, C-CAMP, Bangalore</li> <li>4. Mr. Anand Govindaluri, Founder &amp; CEO Govin Capital, Singapore &amp; Startup Accelerator, India</li> <li>5. Dr. Subramanyam V, Founder and CEO, ReaGene Biosciences Pvt. Ltd., Bangalore</li> <li>6. Dr. K. Rajanikanth Rau, VP, Intl. Business Dev. (Pharma) Biological E. Ltd. Hyderabad</li> <li>7. Mr. Vishal Gandhi, CEO, BioRx Venture Advisers, New Delhi</li> <li>8. Prof. Pallu Reddanna, Dean, SLS, UoH</li> </ol>	
16:00-17:00	<p><b>Valedictory function</b></p> <ul style="list-style-type: none"> <li>• Chief guest: Dr. Lalji Singh, former Director of CCMB and former VC, BHU</li> <li>• Guest of Honour; Mr. Anand Govindaluri, Founder &amp; CEO Govin Capital</li> </ul>	
17:00	High Tea	