

Targeting Mitochondria for Health and Disease

CSIR-Central Drug Research Institute, Lucknow, UP, India

28-30 November 2018

Programme (Venue: CDRI Auditorium Hall 2)

28 th Nov. 2018	Day 1	
16.00- 17.00 h	Registration	
17.00 – 18.00 h	Mito Workshop	
19.30 h	Dinner	
29 th Nov. 2018	Day 2	
08.30 onwards	Registration	
09:00-09.30 h	Inauguration and Welcome Address	Dr. Tapas K Kundu, Dr K Satyamoorthy
	Session - 1: Dr. Lalji Singh Memorial Lecture Award Presentation	
09.30-10.30 h	Dr Anurag Agrawal <i>Director, CSIR-IGIB, New Delhi</i>	Targeting Mitochondria for Preventing and Treating Lung Disease: from Microbes to Stem Cells
10.30-11.00 h	High tea	
	Session - 2: Mitochondria: cell biology and model organisms (Chairperson: Dr K Satyamoorthy)	
11.00-11.30 h	Prof. Keshav Singh <i>Univ of Alabama, USA</i>	Reversing Wrinkled Skin and Lost Hair in Mice by Restoring Mitochondrial Function
11.30-12.00 h	Prof Yau-Huei Wei <i>Centre for Mitochondrial Medicine, Taiwan</i>	Metabolic Reprogramming and Alteration of Antioxidant Enzyme Expression in Stem Cell Differentiation and iPSCs Formation from the Skin Fibroblasts of MERRF Patients
12.00-12.30 h	Dr Rajesh Singh <i>MS University, Baroda</i>	NODs: NLRX1: Beyond immunity emerging role in mitochondria
12.30-13.00 h	Dr Richa Rikhy <i>IISER, Pune</i>	Mitochondrial morphology control of differentiation
13.00-14.00 h	Lunch Break	
	Session – 3: Mitochondria in cancer (Chairperson: Dr Shailja Bhattacharya)	
14:00-14.30 h	Prof. Hari K Bhat <i>University of Missouri-Kansas City, USA</i>	TIMBD: A potential chemotherapeutic agent with anticancer and antioxidant properties
14:30-15.00 h	Dr Rana P Singh <i>JNU, New Delhi</i>	Butyrate and flavonoids affect mitochondria in cancer cells
15:00-15.30 h	Dr. Sagar Sengupta <i>NII, New Delhi</i>	MITOL dependent ubiquitylation negatively regulates the entry of RECQL4 and PolIII α into mitochondria
15:30-16.00 h	Dr Archana Singh <i>AIIMS, New Delhi</i>	Complex activity and mtDNA copy number in pediatric lymphoblastic leukemia
16.00-16.30 h	Dr. Anil Shanker <i>Vanderbilt University, USA</i>	Lymphocyte interplay dependent on mitochondrial Ca ²⁺ response prevents cancer.

16.30-17.00 h	Tea Break	
	Session – 4: Genomics and signalling (Chairperson: Prof. Keshav Singh)	
16.30-17.00 h	Dr. K. Satyamoorthy <i>Manipal University, Manipal</i>	Exome sequencing of MELAS syndrome reveal possible multigenic etiology
17.00-17.30 h	Dr. Amit Singh <i>IISc, Bangalore</i>	Redox Signaling Coordinates HIV-1 Latency and Reactivation
17.30-18.00 h	Dr. Ullas K Seetharam <i>TIFR, Mumbai</i>	Substrate choice, protein acylation and anabolic signalling: mitochondria masterminds
18.00-18.30h	Dr. Ravi Manjithaya <i>JNCSAR, Bangalore</i>	Using cargoes as tools to understand regulation of autophagy flux
18.30 - 19.00 h	Tea / Coffee	
19.00 - 20.15 h	General body Meeting	
20.15 h	Dinner	

30th Nov. 2018	Day 3	
	Session – 5: Developmental Biology and Autophagy (Chairperson: Dr S K Puri)	
09:30-10.00 h	Dr Sandhya P Kaushika <i>TIFR, MUMBAI</i>	Mitochondrial positioning is regulated in non-myelinated neurons <i>in vivo</i> and co-relates with basal calcium spikes
10.00-10:30 h	Prof. Lene Rasmussen <i>Univ of Copenhagen, Denmark</i>	Mitochondrial Calcium Uniporter; a new nexus of AMPK signaling and lipid metabolism
10.30-11.00 h	Prof. Linda H Bergersen <i>Univ. of Oslo, Norway</i>	Lactate benefits the brain
11:00-11:30 h	Tea Break	
11:30-12:30 h	Flash Talks by Students	
12.30-14.30 h	Poster Session & Lunch	
	Session – 6: Mitochondrial Function and Disease (Chairperson: Dr Kishore K Srivastava)	
14:30-15:00 h	Dr. P. Govindaraj <i>NIMHANS, Bangalore</i>	Genotypic and phenotypic spectrum of OXPHOS disorders
15:00-15:30 h	Dr. K. Thangaraj <i>CCMB, Hyderabad</i>	Novel nuclear genes in mitochondrial dysfunction and diseases
15:30-16:00 h	Valedictory Function	
16:00-16:30 h	High tea	