



Virtual International Conference on Advances in Mitochondrial Medicine and Translational Research

Jointly Organised by

Society for Mitochondria Research and Medicine-India (SMRM)
Manipal School of Life Sciences, MAHE, Manipal

Scientific Program (6 November 2020)

Day 1 Moderators: Ravi, Aditi

14:00-14:05: Welcome address

14:05-14:15: Prof. K. Thangaraj, *Secretary, Society for Mitochondria Research and Medicine-India (SMRM)*

14.15-14:20: Lt. Gen. (Dr.) M. D. Venkatesh ^{VSM (Retd)}

Vice Chancellor, Manipal Academy of Higher Education, Manipal, India

14:20-14:30: Prof. K. Satyamoorthy, *President, Society for Mitochondria Research and Medicine-India (SMRM)*

Session 1: Mitochondrial Disorders: Clinical & Genomics Perspectives

Chair

14:30-15:05

Dr. Bindu Parayil Sankaran, *Children's Hospital at Westmead, Australia*

Dr. K. Thangaraj

15:05-15:40

Dr. Robert Taylor, *Newcastle University, UK*

15:40-16:15

Selected abstract presentation

SP1: Identification of novel inhibitors against protein that promotes mitochondrial biogenesis in cancers

Ayushi Chaurasiya, *Jawaharlal Nehru University, New Delhi, India*

SP2: DNA methylation at regulatory elements of TFAM and mitochondrial genome regulates mitochondrial biogenesis: Implications in mild traumatic brain injury-induced mitochondrial dysfunction

Nagalakshmi Balasubramanian, *Savitribai Phule Pune University, Pune, India*

SP3: Lead-induced mitochondrial DNA mutation and alteration in mtDNA copy number

Dr. Herman S. D'Souza, *Manipal School of Life Sciences, MAHE, Manipal, India*

Dr. Gayathri N

Session 2: Mitochondria in Cancer

Chair

16:15-16:50

Dr. Rana P. Singh, *Jawaharlal Nehru University, New Delhi, India*

Dr. K. Satyamoorthy

16:50-17:25

Dr. Benu Brata Das, *Indian Association for the Cultivation of Science (IACS), Kolkata, India*

17:25-18:00

Dr. Keshav K. Singh, *University of Alabama at Birmingham, USA & Vice-President, Society for Mitochondria Research and Medicine-India (SMRM)*

**Scientific Program (7 November 2020)****Day 2 Moderators: Divya, Supriti****Session 1: Mitochondrial Metabolism and Disorders****Chair****15:00-15:35** Dr. Yau-Huei Wei, *Changhua Christian Hospital, Changhua City, Taiwan***15:35-16:10** Dr. Lene J. Rasmussen, *University of Copenhagen, Copenhagen, Denmark***16:10-16:45** Dr. Ullas Kolthur-Seetharam, *Tata Institute of Fundamental Research (TIFR), Mumbai, India***16:45-17:20** Dr. Ganesh Nagaraju, *Indian Institute of Science (IISc), Bengaluru, India***Dr. Benu Brata Das****Selected abstract presentation**

SP4: Mitochondrial coupling is involved in insulin resistance of muscle cells: insulin vs palmitate model

Krako Jakovljević, Univ Belgrade, Serbia**17:20-17:55** SP5: In silico analysis of mitochondrial DNA mutations in High altitude pulmonary edema (HAPE) susceptibility**Swati Sharma, DRDO, New Delhi, India**

SP6: Chloroquine and Hydroxychloroquine impair mitochondrial oxidative phosphorylation in H9C2 cardiomyoblasts

Ashok S, SCTIMST, Thiruvananthapuram, India**Dr. Rana P Singh****Session 2: Mitochondrial Disease and Therapy****Chair****17:55-18:30** Dr. Swasti Raychaudhuri, *CSIR-Centre for Cellular and Molecular Biology (CCMB), Hyderabad, India***18:30-19:05** Dr. Marni J. Falk, *Children's Hospital of Philadelphia, Philadelphia, USA***19:05-19:40** Dr. Bruce H. Cohen, *Akron Children's Hospital, Akron, Ohio, USA***Dr. Keshav K. Singh****Closing Remarks****19:40-19:45:** Prof. K. Satyamoorthy, President, Society for Mitochondria Research and Medicine-India (SMRM)**19:45-19:50:** Prof. Keshav K. Singh, Vice-President, Society for Mitochondria Research and Medicine-India (SMRM)**19:50-19:55:** Prof. K. Thangaraj, Secretary, Society for Mitochondria Research and Medicine-India (SMRM)