



# MAC 2021 | SINGAPORE MITOCHONDRIA, APOPTOSIS & CANCER VIRTUAL SYMPOSIUM

25<sup>th</sup> – 28<sup>th</sup> November 2021

08:00 – 10:30 EDT | 14:00 – 16:30 CET | 21:00 – 23:30 SGT

## **Session 1: November 25, 2021 - Mitochondrion: A multi-faceted Organelle**

**Chairs: Jiri Neuzil & Michelangelo Campanella**

**Time: 21:00 – 23:30 (SG)/ 08:00-10:30 (New York) / 14:00-16:30 (Central Europe)**

20:30 – 21:00 07:30 – 08:00 13:30 – 14:00	Admission of participants into the webinar
21:00 – 21:10 08:00 – 08:10 14:00 – 14:10	Opening Address/ Introduction: <b>Shazib Pervaiz</b> <i>Chair, MAC Singapore 2021 Organizing Committee</i> Yong Loo Lin School of Medicine, National University of Singapore
21:10 – 21:15 08:10 – 08:15 14:10 – 14:15	Introduction of Keynote Speaker & Session 1 Chair: <b>Jiri Neuzil</b> <i>Co-Chair, MAC 2021 Organizing Committee</i> School of Medical Science, Griffith University
21:15 – 22:00 08:15 – 09:00 14:15 – 15:00	<b>Keynote Lecture: Luca Scorrano</b> <i>Professor of Biochemistry, Department of Biology, University of Padova, Italy</i> <b>Keeping mitochondria in shape: a matter of cell life and death</b>
22:00 – 22:15 09:00 – 09:15 15:00 – 15:15	<b>Short talk - TBC</b>
22:15 – 22:20 09:15 – 09:20 15:15 – 15:20	<i>Intermission</i>
22:20 – 22:45 09:20 – 09:45 15:20 – 15:45	<b>Stephen Tait</b> <i>Professor, Beatson Institute for Cancer Research, University of Glasgow, UK</i> <b>Dead cells talking: Cellular Transfer of Apoptotic Resistance</b>
22:45 – 23:00 09:45 – 10:00 15:45 – 16:00	<b>Zuzana Nahacka</b> <i>Molecular Therapy Group, Institute of Biotechnology, Czech Academy of Sciences</i> <b>The role of Miro1 in mitochondrial transfer in cancer</b>
23:00 – 23:30 10:00 – 10:30 16:00 – 16:30	<b>Jessica Spinelli</b> <i>Whitehead Institute of Biomedical Research, MIT, USA</i> <b>Leveraging mass spectrometry to uncover mitochondrial adaptations to hypoxia exposure</b>
<b>END OF SESSION 1</b>	

## **Session 2: November 26, 2021 - Mitochondria and Metabolism**

**Chairs: Boris Zhivotovsky and Catherine Brenner**

**Time: 21:00 – 23:30 (SG)/ 08:00-10:30 (New York) / 14:00-16:30 (Central Europe)**

20:30 – 21:00 07:30 – 08:00 13:30 – 14:00	Admission of participants into the webinar
21:00 – 21:30 08:00 – 08:30 14:00 – 14:30	<b>Nathalie Mazure</b> <i>The French National Centre for Scientific Research (CNRS); France</i> <i>Senior Researcher, INSERM; The Mediterranean Centre for Molecular Medicine (C3M), France</i> <b>Cancer, Hypoxia and Primary Cilium</b>
21:30 – 21:45 08:30 – 08:45 14:30 – 14:45	<b>Short talk - TBC</b>
21:45 – 22:00 08:45 – 09:00 14:45 – 15:00	<b>Short talk - TBC</b>
22:00 – 22:05 09:00 – 09:05 15:00 – 15:05	<i>Intermission</i>
22:05 – 22:35 09:05 – 09:35 15:05 – 15:35	<b>Erik Norberg</b> <i>Associate Professor of Metabolism, Department of Physiology and Pharmacology, Karolinska Institutet, Sweden</i> <b>Deubiquitinating Lung Cancer Metabolism</b>
22:35 – 22:50 09:35 – 09:50 15:35 – 15:50	<b>Short talk - TBC</b>
22:50 – 23:20 09:50 – 10:20 15:50 – 16:20	<b>Emma M. Kerr</b> <i>RUK Werth Trust Fellow, Group Leader in Cancer Metabolism and Therapy, Patrick G. Johnston Centre for Cancer Research, Queen's University Belfast, UK</i> <b>Targeting mitochondrial metabolism to overcome drug resistance in Kras mutant cancers</b>
<b>END OF SESSION 2</b>	

## **Session 3: November 27, 2021 - Mitochondria and the Epigenome**

**Chairs: Ildiko Szabo and Boris Turk**

**Time: 21:00 – 23:30 (SG)/ 08:00-10:30 (New York) / 14:00-16:30 (Central Europe)**

20:30 – 21:00 07:30 – 08:00 13:30 – 14:00	Admitting of Participants into the webinar
21:00 – 21:30 08:00 – 08:30 14:00 – 14:30	<b>Wee Wei Tee</b> <i>Institute of Molecular and Cell Biology, A*STAR</i> Metabolic control of DNA methylation in pluripotent cells
21:30 – 21:45 08:30 – 08:45 14:30 – 14:45	<b>Hsin Yao Chiu</b> <i>Department of Physiology, National University of Singapore</i> Role of mitochondrial calcium in embryonal rhabdomyosarcoma
21:45 – 22:00 08:45 – 09:00 14:45 – 15:00	Short talk - TBC
22:00 – 22:05 09:00 – 09:05 15:00 – 15:05	<i>Intermission</i>
22:05 – 22:35 09:05 – 09:35 15:05 – 15:35	<b>Hsing-Jien Kung</b> <i>Academician, Academia Sinica; Chair Professor, Taipei Medical University; President Emeritus, NHRI; Distinguished Professor Emeritus, UC Davis</i> Arginine as an epigenetic regulator of mitochondrial activities in cancer cells
22:35 – 22:50 09:35 – 09:50 15:35 – 15:50	Short talk - TBC
22:50 – 23:20 09:50 – 10:20 15:50 – 16:20	<b>Graziano Martello</b> <i>Associate Professor of Histology, Department of Biology, University of Padova, Italy</i> Metabolic control of DNA methylation in pluripotent cells
<b>END OF SESSION 3</b>	

## **Session 4: November 28, 2021 - Mitochondria and Cell Fate**

**Chairs: Patrizia Agostinis and Shazib Pervaiz**

**Time: 21:00 – 23:30 (SG)/ 08:00-10:30 (New York) / 14:00-16:30 (Central Europe)**

20:30 – 21:00 07:30 – 08:00 13:30 – 14:00	Admission of participants into the webinar
21:00 – 21:30 08:00 – 08:30 14:00 – 14:30	<b>Eleonora Leucci</b> <i>Assistant Professor, Department of Oncology, KU Leuven, Belgium</i> LncRNA-orchestrated changes in mitochondrial translation and dynamics confer therapy resistance in melanoma
21:30 – 21:45 08:30 – 08:45 14:30 – 14:45	<b>Eu Jie Qing</b> <i>Cancer of Science Institute &amp; Department of Physiology, National University of Singapore</i> MDM2 mitochondrial translocation mediates metabolic reprogramming towards OXPHOS in TKI-resistant oncogene-addicted cancer
21:45 – 22:15 08:45 – 09:15 14:45 – 15:15	<b>Triona Ni Chonghaile</b> <i>Physiology and Medical Physics, Royal College of Surgeons in Ireland</i> Differentiation: a path to venetoclax resistance in leukemia
22:15 – 22:20 09:15 – 09:20 15:15 – 15:20	<i>Intermission</i>
22:20 – 22:35 09:20 – 09:35 15:20 – 15:35	<b>Stephen Jun Fei Chong</b> <i>Dana-Farber Cancer Institute, Department of Medical Oncology</i> Targeting BCL-2 family protein phosphorylation in venetoclax resistant lymphoid malignancies
22:35 – 23:40 09:35 – 10:40 15:35 – 16:40	Introduction of Keynote Speaker & Session 4 Chair: <b>Shazib Pervaiz</b> <i>Chair, MAC Singapore 2021 Organizing Committee</i> Yong Loo Lin School of Medicine, National University of Singapore
22:45 – 23:20 09:45 – 10:20 15:45 – 16:20	<b>Keynote Lecture: Jean-Claude Martinou</b> <i>Professor, Department of Cell Biology, University of Geneva, Switzerland</i> Metabolism of cysteine in cancer cells
23:20 – 23:30 10:20 – 10:30 16:20 – 16:30	MAC Portugal 2023: <b>Paulo J. Oliveira</b> Center for Neuroscience and Cell Biology, University of Coimbra, Portugal
23:30 – 23:45 10:30 – 10:45 16:35 – 16:45	Closing Address: <b>Shazib Pervaiz and Jiri Neuzil</b>
<b>END OF SESSION 4</b>	

