

The Scientific Program

The 11th Conference of Asian Society for Mitochondrial Research and Medicine

November 14, 2014 (Friday)	
08:00-08:50	Registration / Poster Display
08:50-09:20	Opening Ceremony
09:20-10:00	Plenary Lecture I <i>Chair: Min-Xin Guan, PhD (China)</i>
	The dialogue between mitochondria and calcium signaling - a delicate balance between life and death Michael R. Duchen, PhD (UK)
10:00-10:30	Coffee Break
10:30-12:10	Session 1: Mitochondrial Biology <i>Chairs: Horng-Mo Lee, PhD (Taiwan), Hideyuki Majima, DDS, PhD (Japan)</i>
	Mitochondrial function, biogenesis and morphology in cellular stress Karl Johan Tronstad, PhD (Norway)
	Tissue-specific KO mice of p32/gC1qR, a mitochondrial RNA chaperone: brain and heart Dongchon Kang, MD, PhD (Japan)
	Clinical and genetic heterogeneity of mitochondrial disorders: do the ancestry have any role? Kumarasamy Thangaraj, PhD (India)
	The functional study of mitochondrial NADH dehydrogenase (ubiquinone) Fe-S protein 8 and development of a therapeutic approach to rescue its deficiency Mou-Chieh Kao, PhD (Taiwan)
12:10-13:30	Lunch and Poster
12:10-12:30	Group Photo
12:30-13:00	Luncheon Seminar 1 <i>Chairs: Rong-Hong Hsieh, PhD (Taiwan), Dar-Bin Shieh, MD, PhD (Taiwan)</i>
12:30-13:30	ASMRM Council Meeting
13:30-14:10	Plenary Lecture II <i>Chair: Hong Kyu Lee, MD, PhD (Korea)</i>
	Sepsis, multiple organ failure and mitochondrial dysfunction Mervyn Singer, MD, FRCP (UK)
14:10-15:25	Session 2: Mitochondrial Dysfunction and DNA Mutation <i>Chairs: Kah-Leong LIM, PhD (Singapore), Chia-Wei Liou, MD (Taiwan)</i>
	Mitochondria retrograde signaling to control hepatoma cell invasiveness Gyesoon Yoon, PhD (Korea)
	Nuclear modifier genes for the phenotypic manifestation of LHON-associated mtDNA mutations Min-Xin Guan, PhD (China)
	Development of therapeutic drug of Sodium Pyruvate (SP) for lactic acidosis associated with mitochondrial disorders Yasutoshi Koga, MD, PhD (Japan)
15:25-15:40	Coffee Break
15:40-16:55	Session 3: Oxidative Stress, Aging and Neurodegenerative Disease <i>Chairs: Minho Shong, MD, PhD (Korea), Chin-San Liu, MD, PhD (Taiwan)</i>
	Mitochondrial dysfunction and Parkinson's disease- The Parkin-AMPK-PGC1 α axis Kah-Leong LIM, PhD (Singapore)
	Gradual wake-up of mitochondria during early reperfusion: The effect of inhibition of the malate-aspartate shuttle on mitochondrial function and ROS production against myocardial ischemia-reperfusion injury Takashi Yokota, MD, PhD (Japan)
	Mitochondrial loss and dysfunction in chronic kidney disease

	<i>Yau-Sheng Isai, PhD (Taiwan)</i>
16:55-17:25	Keynote Lecture <i>Chair: Lee-Jun C. Wong, PhD (USA)</i>
	Metabolic remodeling in human health: investigation on the genetic and microenvironmental determinants <i>Rodrigue Rossignol, PhD (France)</i>
17:25-17:35	Refreshment Break
17:35-18:45	Poster Scoring
18:45-20:30	Welcome Reception

Tentative Scientific Program
The 11th Conference of Asian Society for Mitochondrial Research and Medicine

November 15, 2014 (Saturday)	
08:00-08:30	Registration
08:30-09:10	Plenary Lecture III <i>Chair: Chung Y. Hsu, MD, PhD (Taiwan)</i> Keeping mitochondria in shape: a matter of life, death and differentiation Luca Scorrano, MD, PhD (Italy)
09:10-10:50	Session 4: Mitochondrial Dynamics and Quality Control <i>Chairs: Yasutoshi Koga, MD, PhD (Japan), Ding-I Yang, PhD (Taiwan)</i> Physiological roles of mitochondrial fission in cultured cells and in mice development Naotada Ishihara, PhD (Japan) Piecewise autophagic removal of Parkin-labeled mitochondria Wei-Yuan Yang, PhD (Taiwan) Molecular regulation of receptor-mediated mitochondrial autophagy Quan Chen, PhD (China) Energy homeostasis and mitochondrial signals in cancer cells under nutrient starvation Wan-Wan Lin, PhD (Taiwan)
10:50-11:10	Coffee Break
11:10-12:25	Session 5: Metabolic Syndrome and Diabetes <i>Chairs: Wayne Huey-Herng Sheu, MD, PhD (Taiwan), Makoto Yoneda, MD, PhD (Japan)</i> Role of mitochondrial stress in cell death and body metabolism- Effect of FGF21 as a mitochondrial stress hormone Myung-Shik Lee, MD, PhD (Korea) Mitochondrial dysfunction and dysregulation of Ca ²⁺ homeostasis in insulin insensitivity and diabetes Yau-Huei Wei, PhD (Taiwan) Diabetic risk factor: mitochondria-disrupting environmental chemicals in serum Youngmi Kim Pak, PhD (Korea)
12:25-13:30	Lunch and Poster
12:45-13:15	Luncheon Seminar 2 <i>Chairs: Shih-Yi Lin, MD (Taiwan), Hsiu-Chuan Yen, PhD (Taiwan)</i>
13:30-14:00	TSMRM Annual Meeting
14:00-14:40	Plenary Lecture IV <i>Chair: Yau-Huei Wei, PhD (Taiwan)</i> The control of mitochondrial DNA replication during development and tumorigenesis Justin C. St. John, PhD (Australia)
14:40-15:55	Session 6: Mitochondria in Reproductive Medicine <i>Chairs: Hong-Yuan Huang, MD (Taiwan), Shu-Huei Kao, PhD (Taiwan)</i> Mitochondrial dynamics during oocyte maturation Yoshiharu Morimoto, MD, PhD (Japan) Role of mitochondria in endometriosis and PCOS Chii-Ruey Tzeng, MD, MPH (Taiwan) Preventing the transmission of mitochondrial DNA disorders: selecting the good guys or kicking out the bad guys Hubert J. M. Smeets, PhD (the Netherlands)
15:55-16:10	Coffee Break / Poster Dismantle
16:10-16:20	Poster Awards <i>Chair: Tsu-Kung Lin, MD, PhD (Taiwan), Hsin-Chen Lee, PhD (Taiwan)</i>
16:20-16:30	Closing Ceremony

Mitochondrial Research From Bench to Clinic

For more information, please visit www.asmr2014.org

PLENARY LECTURES



Michael R. Duchon, PhD
(UK)



Mervyn Singer, MD, FRCP
(UK)



Justin C. St. John, PhD
(Australia)



Luca Scorrano, MD, PhD
(Italy)



Rodrigue Rossignol, PhD
(France)

KEYNOTE LECTURE

INVITED SPEAKERS

Chii-Ruey Tzeng, MD, MPH (Taiwan)
Dongchon Kang, MD, PhD (Japan)
Gyeosoon Yoon, PhD (Korea)
Hubert J. M. Smeets, MD, PhD (the Netherlands)
Kah-Leong LIM, PhD (Singapore)

Karl Johan Tronstad, PhD (Norway)
Kumarasamy Thangaraj, PhD (India)
Min-Xin Guan, PhD (China)
Mou-Chieh Kao, PhD (Taiwan)
Myung-Shik Lee, MD, PhD (Korea)

Naotada Ishihara, PhD (Japan)
Quan Chen, PhD (China)
Takashi Yokota, MD, PhD (Japan)
Wan-Wan Lin, PhD (Taiwan)
Wei-Yuan Yang, PhD (Taiwan)

Yau-Sheng Tsai, PhD (Taiwan)
Yasutoshi Koga, MD, PhD (Japan)
Yau-Huei Wei, PhD (Taiwan)
Yoshiharu Morimoto, MD, PhD (Japan)
Youngmi Kim Pak, PhD (Korea)

CALL FOR ABSTRACT

Submit an abstract of up to 2,400 letters in length for poster presentation during the 2014 ASMRM Conference. Abstract topics include

- Mitochondrial Biology
- Mitochondrial Dysfunction and DNA Mutation
- Oxidative Stress, Aging and Neurodegenerative Disease
- Mitochondrial Dynamics and Quality Control
- Metabolic Syndrome and Diabetes
- Mitochondria in Reproductive Medicine
- Others

Abstract Submission deadline: September 28, 2014

* IMPORTANT INFORMATION *

Registration is required for abstract submission. Submission form is available for download on conference website.

REGISTRATION Registration fees (for LOCAL participants)

Category	Regular (Aug 16 - Sep 15, 2014)	Onsite (Nov 14 - 15, 2014)
General #1	TWD 3,500	TWD 4,500
General - TSMRM #1	TWD 3,000	TWD 4,000
Student #1, #3	TWD 2,500	TWD 3,500
Student - TSMRM #1, #3	TWD 2,000	TWD 3,000
Accompanying person #2	TWD 2,000	TWD 2,000

#1 includes access to all academic activities, conference bag, program/abstract book, lunch, coffee break and welcome reception.

#2 includes welcome reception.

#3 A scanned copy of student ID should be emailed to the secretariat for validation. Please state the registration number in the email.



