

The 2026 International Medical Metabolism Conference Agenda

Tuesday, May 12th, 2026

18:00~ Banquet

Wednesday, May 13th, 2026

09:00-09:20 Registration

09:20-09:40 Welcome & Opening Remarks

Huey-Kang Sytwu, M.D., Ph.D.

National Health Research Institutes, Miaoli, Taiwan

Session I. Immunometabolism

Chair Huey-Kang Sytwu

Co- Chair Shie-Liang Hsieh

09:40-10:20 **Plenary Speech**

Dr. M. Celeste Simon

Leveraging Metabolism to Treat Primary and Metastatic Kidney Cancer

10:20-10:40 Dr. Yeonseok Chung

Metabolic control of plasma cell longevity

10:40-11:00 Dr. Kuei-Pin Chung

Mitochondrial fatty acid oxidation orchestrates alveolar epithelial immunity

11:00-11:20 Break

Chair Shaw-Fang Yet

11:20-11:40 Dr. Shie-Liang Hsieh

11:40-12:00 Dr. Roni Nowarski

Tissue regulation of intestinal inflammation and tolerance

12:00-14:00 Poster Presentation & Lunch

Session II. Mitochondrial function in disease

Chair Yi-Ching Wang

Co- Chair Wen-Chun Hung

14:00-14:40 **Plenary Speech**

Dr. Kenneth Kun-Yu Wu

5-MTP restores cancer cell mitochondrial dynamics and reduces oncometabolites

14:40-15:00 Dr. Ting-Fen Tsai

Activation of C1SD2 as a protective strategy against doxorubicin-induced cardiotoxicity

15:00-15:20 Dr. Kai-Ti Lin

Revisiting the Warburg Effect: Linking Hydrogen Sulfide to Central Metabolic Regulation

15:20-15:40 Break

15:40-16:00 Dr. B. LinJu Yen

Fast & furious: the consequential role of the mitochondria in mesenchymal stromal/stem cell (MSC) osteogenic commitment

16:00-16:20 Dr. Ruey-Hwa Chen

Purinosome fuels mitochondrial DNA and RNA synthesis to mitigate cardiomyopathy

16:20-16:40	Dr. Yau-Sheng Tsai Mitochondrial Control of TGF β -Induced Cellular Plasticity
17:00~	Welcome Dinner

Thursday, May 14th, 2026

Session III. Cancer metabolism

Chair Hsing-Jien Kung

Co- Chair Su Hao Lo

09:00-09:40 Plenary Speech

Dr. Sarah-Maria Fendt

Metabolic Rewiring Driving Metastasis Formation

09:40-10:00 Dr. Alan Yueh-Luen Lee

Mitochondrial signaling tunes malignancy via the metabolism and immunity in the hostile tumor microenvironment

10:00-10:20 Dr. Wen-Ching Wang

Glutathione Sensing by PKM2 Allosteric Control Couples Glyco-Redox Signaling to Ferroptosis Vulnerability

10:20-10:40 Chun-Mei Hu

PanMETAI: A High-Performance Tabular Foundation Model for Early Pancreatic Cancer Diagnosis and Its Clinical Translation via Biofluid Evaluation

10:40-11:00 Break

Chair Kenneth Kun-Yu Wu

Co- Chair Su Hao Lo

11:00-11:40 Plenary Speech

Dr. Marcia C. Haigis

Lessons Learned studying Metabolism in Aging, Cancer, and Immunity

11:40-12:00 Dr. Wen-Chun Hung

12:00-12:20 Dr. Sang-Jun Ha

Identification and characterization of tumor-infiltrating regulatory T cell subsets

12:20-13:30 Lunch

Session IV. Metabolism in nutrition and aging

Chair Muh-Hwa Yang

Co- Chair Huang-Yu Yang

13:30-14:10 Plenary Speech

Dr. Hsing-Jien Kung

Metabolic Modulation of Dual Therapy Resistance of Prostate Cancer

14:10-14:30 Dr. Huang-Yu Yang

Asparagine deprivation enhances T cell antitumour response in patients via ROS-mediated metabolic and signal adaptations

14:30-14:50 Dr. Hua-Jung Li

14:50-15:10 Dr. Jae Myoung Suh

Hippo meets metabolism: divergent YAP/TAZ programs coordinate adipose plasticity and leptin production

15:10-15:30 Dr. Tse-Hua Tan

16:00~ Departure