2026 Bilateral Symposium

Genomics Research Center, Academia Sinica and School of Science, Osaka University

2026 09:00–17:20 | Friday, January 16, 2026

Auditorium, Genomics Research Center, Academia Sinica

09:00-10:35

Studies on targeted α-particle therapy and elucidation of its mechanisms of antitumor immune activation
Koichi Fukase (The University of Osaka)

Reinforcement of glycoprotein-protein interaction by glycan hydration shell effect
Yasuhiro Kajihara (The University of Osaka)

Discovery of small molecule-based modulators toward sugar-processing enzymes and their potential applications
Wei-Chieh Cheng (Academia Sinica)

11:00-12:30

New mechanisms of lymphocyte trafficking in health and disease
Kazuhiro Suzuki (The University of Osaka)

Finding the vulnerabilities of ovarian clear cell carcinoma
Wendy W. Hwang-Verslues (Academia Sinica)

Adaptive metabolic responses in tumour and the stroma during cancer development
Eric Chi-Ching Cheung (Academia Sinica)

14:00-15:30

Modulating immunogenicity and reactogenicity in mRNA–lipid nanoparticle vaccines through lipid component optimization
Yasuo Yoshioka (The University of Osaka)

Mitochondrial calcium signaling promotes thermogenic adipocyte differentiation and improves glucose homeostasis
Chih-Hao Wang (Academia Sinica)

Synthesis and functions of bacterial lipid A for safe vaccine adjuvant development
Atsushi Shimoyama (The University of Osaka)

15:45-17:20

Protein N-a-acetylation: Epigenetics, development and disease
Li-Jung Juan (Academia Sinica)

Molecular pathogenesis of ALS based on RNA metabolic dysfunction
Seiichi Nagano (The University of Osaka)

TDP-43 oligomer-specific antibody detects misfolded TDP-43 in ALS and rescues phenotypes in ALS iPSC-derived motor neurons and mouse models
Yun-Ru (Ruby) Chen (Academia Sinica)