

The 10th Japan-Taiwan Bilateral Symposium on Nanomedicine

April 21st to April 23rd, 2025

Yokohama, Japan



Theme: Forum on Translational Medicine and Nanotechnology

Venue: Education and Culture Hall, Yokohama National University



Sponsor

YNU 横浜国立大学
YOKOHAMA National University

臺灣奈米生醫學會
Taiwan Nanomedicine Society, TNS

Schedule for the 10th Japan-Taiwan Bilateral Symposium on Nanomedicine

Program on April 22nd

Venue: Education and Culture Hall, Yokohama National University

9:15 Registration

9:30- Opening remarks

Salutation Organizer Prof. Yuko Ichiyanagi, Yokohama National University

Prof. Chen-Sheng Yeh, President of Nanomedicine Society Taiwan

Chair Yuko Ichiyanagi (Yokohama National Univ.)

9:40-10:05 Prof. Koichi Kato, Hiroshima University

“Designing Scaffold-binding Growth Factors”

10:05-10:30 Prof. Chi-An Cheng, National Taiwan University

“Small Packages, Big Impact: The Next Wave of Extracellular Vesicle
Research Innovations”

10:30-10:55 Prof. Junji Fukuda, Yokohama National University

“Microfabrication for 3D tissue engineering”

Chair Peilin Chen (Academia Sinica)

10:55-11:20 Prof. Dehui Wan, National Tsing Hua University

“Unlocking the Potential of Surface-Enhanced Raman Scattering in
Precision Medicine”

11:20-11:45 Prof. Masaru Tanaka, Kyushu University

“Design of multi-functional biomaterials for nanomedicine based on
the intermediate water concept”

Group Photo

11:45-13:00 Lunch break

Chair Koichi Kato (Hiroshima Univ.)

13:00-13:25 Prof. Peilin Chen, Academia Sinica

“Mesoporous Silica Nanoparticles in Cancer Therapy: Overcoming
Biological Barriers, Suppressing Metastasis, and Enhancing Drug Delivery”

13:25-13:50 Prof. Koji Miyazaki, Kyushu University

“Measurements of Thin Wires Thermal Diffusivity with Infrared Microscopy”

13:50-14:15 Prof. Ping-Ching Wu, National Cheng Kung University

“Pulmonary Precision Therapy: Inhalable PLGA Nanoparticles Co-Delivering FTY720 and Nobiletin Against ALI/ARDS”

14:15-14:30 Coffee break

Chair Chi-An Cheng (National Taiwan Univ.)

14:30-14:55 Prof. Kazutoshi Iijima, Yokohama National University

“The effect of polyethylene glycol on dispersion state of polysaccharide polyelectrolyte complex particles”

14:55-15:20 Prof. Wei-Peng Li, Kaohsiung Medical University

“Scalable Functionalization of Vesicles via Membrane Lipid Exchange Mechanisms and Their Applications”

15:30-17:30 Poster session

P1. Cheng-Hung Luo, Chia-Jui Yen (National Cheng Kung University)

“Targeted HCC Tumor Drug Delivery Using Hollow-Mesoporous Organosilica Nanoparticles: Combination of Extracellular Vehicles Guiding and Glutathione-Responsive Biodegradation”

P2. Ju-Ming Wang (National Cheng Kung University)

“PTX3 inhibitor JWs attenuate pathological scar through suppressing extracellular matrix protein expression”

P3. Li-Chan Chang, Wen-Pin Su (National Cheng Kung University)

“Overcoming Immunosuppression and Immune Checkpoint Blockade Resistance in the Pancreatic Tumor Microenvironment via Nanoformulated Pan-BET Inhibitors on a Mesoporous Silica Nanoparticle System”

P4. Ying-Chi Chen (National Cheng Kung University)

“Harnessing electron-capturing gold nanoparticles with electroactive liposome membranes for redox disruption in targeted cancer therapy”

P5. Chen-Sheng Yeh (National Cheng Kung University)

“Utilizing Electron-Sink-Enhanced Nanoshells for Amplified Nanoplasmonic SERS-Based In Situ Detection of Cancer Cells, Linking Signal Enhancement with Cellular Damage”

18:30 Banquet at Ginger’s Beach Yokohama