

KPU International Symposium 2025

Joint with “KPU Educational Program for Next-Generation Cancer Specialists”
and “KPU Synergetic Research Project Seminar”

March 11(Tue)-12(Wed), 2025

Kyoto Pharmaceutical University Aigaku-kan building, A21 Lecture Hall

Day 1 (March 11)

Towards understanding and modulating biological phenomenon on the membrane

- 10:00-10:30 Takeshi Sato (Kyoto Pharmaceutical University)
Suggestion from the computational chemistry for EGFR and lipids
- 10:30-11:00 Hiroko Asahina (Kyoto Pharmaceutical University)
Strategy for structural analysis of membrane protein with semi-synthesis
- 11:00-11:30 Francisco Barrera (University of Tennessee, Knoxville)
Lipid control of receptor tyrosine kinase assembly and function
- 11:30-12:00 Kazuya Kabayama (Osaka University)
Regulation of dynamics of plasma membrane-associated molecules by glycosylation

Synthesis and application of molecular probe for membrane-related biological system

- 13:30-14:00 Takumi Furuta (Kyoto Pharmaceutical University)
Synthetic study of catalytically active head group functionalized phospholipid
- 14:00-14:30 Yukari Fujimoto (Keio University)
Immunomodulatory functions of cell membrane complex lipids: synthesis and selective activation
- 14:30-15:00 Xuefei Huang (Michigan State University, Department of Chemistry)
New hyaluronan like polysaccharides with enhanced CD44 affinity for molecular imaging and targeted drug delivery

Topics of translational research in diagnosis and therapy of various diseases using radioligands: From bench to bedside

- 15:30-15:50 Hidekazu Kawashima (Kyoto Pharmaceutical University)
Radiotheranostics of highly malignant tumors: Our approach targeting cancer-associated fibroblasts (CAFs)
- 15:50-16:20 Koki Hasegawa (Fukushima Medical University)
Innovative nuclear medicine techniques and radiopharmaceuticals: Bridging laboratory development and clinical requirements
- 16:20-17:00 Michael Decker (University of Würzburg)
Neuroprotective hybrid molecules and photopharmacology of cannabinoid receptor 2 ligands

Day 2 (March 12)

Cross-disciplinary research aimed at developing neurotheranostics for the diagnosis and treatment of neurodegenerative diseases

- 10:00-10:20 Kazuyuki Takata (Kyoto Pharmaceutical University)
Application of neurotheranostics in basic research of Alzheimer's disease
- 10:20-10:40 Masatoshi Inden (Gifu Pharmaceutical University)
Developing and analyzing cell models for protein aggregation in neurodegenerative diseases
- 10:40-11:20 Knut Woltjen (CiRA, Kyoto University)
Precision genome editing in human induced pluripotent stem cells
- 11:20-12:00 Wado Akamatsu (Juntendo University)
iPS cell-based disease modeling and drug discovery for neurological diseases

Advancement of cardiac disease therapy and application to new therapies using adipose-derived stem cells

- 13:30-14:00 Shinji Kobuchi (Kyoto Pharmaceutical University)
Therapeutic potential of human adipose-derived stem cell-conditioned medium in cardiac disease
- 14:00-14:30 Wan-Tseng Hsu (National Taiwan University)
Exploring mitochondrial protective strategies in the context of heart failure
- 14:30-15:00 Shin-Yi Lin (National Taiwan University)
Clinical utilization of direct oral anticoagulant concentration monitoring

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