



Structural Biology & Drug Discovery

Venue: The Alumni Hall "Frate" Kita15, Nishi7, Sapporo, Graduate School of Medicine, Hokkaido University

September 29 Thursday 10:30 – 17:00

- 1 **Cell Signaling by Receptor Tyrosine Kinases; from Basic Principles to Cancer Therapy**
Joseph Schlessinger, Ph.D (Yale University School of Medicine, USA)
- 2 **Getting Prepared for Future Virus Outbreaks: Structure-based Discovery of Antivirals for Emerging RNA Viruses**
Rolf Hilgenfeld, Ph.D (Institute of Biochemistry, University of Luebeck, GER)
- 3 **Drug Discovery of a Melatonin Agonist to Advance Towards Natural Sleep**
Shigenori Ohkawa, Ph.D (Takeda Pharmaceutical Company Limited, JPN)
- 4 **Structure-guided Development of Molecular-targeting Antiviral Agents for Treatment of HIV Infection and AIDS**
Hiroaki Mitsuya, M.D., Ph.D (Faculty of Life Sciences, Kumamoto University, JPN)
- 5 **Molecular Imaging Science for Medical Innovation**
Yasuyoshi Watanabe, M.D., Ph.D (RIKEN Center for Molecular Imaging Science, JPN)

16:00 – 16:50 Special Lecture by Nobel Laureate in Chemistry 2010

- 6 **Cross-Coupling Reactions of Organoboranes: An Easy Way for Carbon-Carbon Bonding**
Akira Suzuki, Ph.D (Hokkaido University, JPN)

17:30 – 19:30 Welcome Reception Party : Faculty House "Enreiso"

September 30 Friday 9:00 – 12:30

- 7 **Probing Cancer Cell Signaling by NMR**
Mitsuhiko Ikura, Ph.D (Ontario Cancer Institute, University of Toronto, CAN)
- 8 **Antibiotic Fusidic Acid Trapping EF-G in the Ribosome and mRNA Quality Control in Translation by Bacterial Toxin RelE**
Yonggui Gao, Ph.D (School of Biological Sciences, Nanyang Technological University, SIN)
- 9 **Structural Studies of Influenza RNA-polymerase for Novel Drug Design**
Sam-Yong Park, Ph.D (Protein Design Laboratory, Yokohama City University, JPN)
- 10 **Functional Analyses of Membrane Proteins by NMR**
Ichio Shimada, Ph.D (Graduate School of Pharmaceutical Sciences, The University of Tokyo, JPN)

12:30 – 14:00 Lunch & Poster Sessions