Speakers

Plenary Speakers

Prof. Elias J. Corey
Harvard University (USA)
Abstract title: Catalysis by Chiral Cations

Prof. Shinya Yamanaka
Kyoto University (JAPAN) (Informal Consent)
Abstract title: Induction of Pluripotency by Defined Factors

Prof. Shizuo Akira
Osaka University (JAPAN)
Abstract title: Innate Immunity and Pathogen Recognition

Prof. Kyriacos Costa Nicolaou
The Scripps Research Institute and University of California (USA)
Abstract title:

Prof. Chi-Huey Wong
Academia Sinica (TAIWAN) / The Scripps Research Institute (USA)
Abstract title: Carbohydrate-based Drug Discovery

Dr. John C. Lechleiter
CEO, Eli Lilly and Company (USA)
Abstract title: BioPharma at the Crossroads: The Way Forward

Invited Speakers
Session 1 "Natural Products"

Prof. Daisuke Uemura
Keio University (JAPAN)

Abstract title: Natural Products as Drug Leads

Session 2 "Quantitative Structure-Activity Relationship"

Prof. Hiroshi Chuman
The University of Tokushima (JAPAN)

Abstract title: Toward a New Age of Quantitative Structure-Activity Relationship: Linear Expression by Representative Energy terms

Prof. Ismail Yalcin
Ankara University (TURKEY)

Abstract title: QSAR and Molecular Modelling Studies on Chemotherapeutic Active Benzazoles

Session 3 "Bio-Imaging"

Prof. Yasuteru Urano
The University of Tokyo (JAPAN)

Abstract title: Intraoperative Imaging of Tiny Tumor Sites with Rationally Designed Fluorescence Probes

Session 4 "Synthetic and Process Chemistry"

Prof. Yujiro Hayashi
Tokyo University of Science (JAPAN)

Abstract title: Organocatalyst in Total Synthesis

Session 5 "Computer-Assisted Drug Design"

Prof. Hualiang Jiang
Shanghai Institute of Materia Medica, Chinese Academy of Sciences (CHINA)

Abstract title: Computation-Aided Target Identification and Drug Discovery

Session 6 "Chemical Biology"
Session 7 “Frontier Methods for Drug Discovery 1”

**Prof. Reuben Jih-Ru Hwu**  
National Central University (TAIWAN)  
Abstract title: *Paclitaxel-containing New Compounds and Nanomaterials as Anti-cancer Leads*

**Dr. Richard M Soll**  
WuXi AppTec (CHINA)  
Abstract title: *The Value Proposition of Integrated Services*

Session 8 “Informatics/ Chemoinformatics and Bioinformatics”

**Prof. Kimito Funatsu**  
The University of Tokyo (JAPAN)  
Abstract title: *Drug Design Based on Integration of Chemical Information and Biological Information*

Session 9 “Nucleotides / Nucleosides / siRNA Therapeutics”

**Prof. Satoshi Obika**  
Osaka University (JAPAN)  
Abstract title: *Development of Nucleic Acid Analogues for Antisense Strategy*

Session 10 “Oncology” (EFMC Session)

**Prof. Roger Griffin**  
Newcastle Cancer Centre, Northern Institute for Cancer Research (UK)  
Abstract title:

**Dr. Giovanni Gaviraghi**  
Siena Biotech S.p.A. (ITALY)  
Abstract title:
Session 11 "Frontier Methods for Drug Discovery 2"

Prof. David Winkler
CSIRO (AUSTRALIA)

Abstract title: Design of Modulators of Stem Cell Fate

Session 12 "Infectious Diseases / Tropical / Emerging Diseases"

Dr. Jerome Guillemont
Janssen-Cilag / Tibotec (FRANCE)

Abstract title: Diarylquinoline; a novel class for the treatment of tuberculosis highlighted with TMC207

Session 13 "Neurological Disease"

Prof. Takeshi Iwatsubo
The University of Tokyo (JAPAN)

Abstract title:

Session 14 "Diabetes / Obesity" (ACS MedChem Session)

Dr. Jürgen Wess
National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health (USA)

Abstract title: Beta Cell G Protein-Coupled Receptors as Targets for the Treatment of Type 2 Diabetes

Session 15 "Regulatory Affairs"

Prof. Masahiro Nishijima
National Institute of Health Sciences (JAPAN)

Abstract title: Current Topics of Development and Manufacture of Drug Substances on Regulatory Affairs

Session 16 "Peptides and Peptidomimetics"

Prof. Joel P. Schneider
National Cancer Institute (USA)

Abstract title: Peptide-based Materials for Therapy
Session 17 “Structure Biology: Protein Structure, Dynamics and Functions”

**Prof. Jie-Oh Lee**
Korea Advanced Institute of Science and Technology (KOREA)

Abstract title: *Ligand Recognition by Toll-like Receptors*

Session 18 “Translational Research”

**Prof. Ichio Shimada**
The University of Tokyo (JAPAN)

Abstract title: *Dynamical Aspects of Membrane Protein by NMR*

Session 19 “Peptidases”

**Prof. Ryozo Nagai**
The University of Tokyo (JAPAN)

Abstract title: *Chronic Inflammation in Cardiovascular Remodeling and in Obesity*

Session 20 “Ion Channel and Others” (to be determined)

Session 21 “Drug Delivery/ Drug Targeting”

**Prof. Yoshiaki Kiso**
Kyoto Pharmaceutical University (JAPAN)

Abstract title: *Defying Difficult Diseases: Design and Synthesis of Transition-state Mimetic Protease Inhibitors*

**Prof. Kazunori Kataoka**
The University of Tokyo (JAPAN)

Abstract title: *Block Copolymer Micelles and Vesicles as Nanocarriers for Gene and Drug Delivery*