

Program of The 2nd International Chemical Biology Frontier Symposium

Tokyo Medical and Dental University, School of Biomedical Science,
Medical Research Institute, and Institute of Biomaterials and Bioengineering

February 17th (Fri), 2006

Morning Session (*Talked in Japanese*)

Chairperson: Hiroyuki Kagechika (Tokyo Medical and Dental University, Japan)

10 : 00 – 10 : 05 Takashi Tsubata (Tokyo Medical and Dental University, Japan)

Welcome and Introduction

10 : 05 – 10 : 30 Tetsushi Furukawa (Tokyo Medical and Dental University, Japan)

New trends of ion channel drug discovery

10 : 30 – 11 : 00 Hiroshi Handa (Tokyo Institute of Technology, Japan)

A New Mechanism of Methotrexate Action Revealed by Target Screening with Magnetic Affinity Beads

11 : 00 – 11 : 30 Hiroyuki Osada (RIKEN, Japan)

Bioprobe development of microbial origin and identification of target proteins

11 : 30 – 12 : 00 Kiyoshi Furuichi (Astellas Pharma Inc, Japan)

Discovery of Seeds to Invent "New Medicine at The Next Generation"
-Target Discovery & High Through-put Screening (HTS)-

12 : 00 – 13 : 30 Lunch Break

Afternoon Session (*Talked in English*)

Chairperson: Hirokazu Tamamura (Tokyo Medical and Dental University, Japan)

13 : 30 – 14 : 00 Kazuya Kikuchi (Osaka University, Japan)

Design, Synthesis and Biological Application of Fluorescent Sensor Molecules Which Convert Biological Responses to Chemical Output

14 : 00 – 14 : 30 Lak Shin Jeong (Ewha Womans University, Korea)

Development of Selective A₃ Adenosine Receptor Agonists as Antitumor Agents

14 : 30 – 15 : 00 Gang Liu (CAMS & PUMC, China)

‘Scaffold-directed’ Small Molecular Heterocyclic Compounds Libraries Synthesis

15 : 00 – 15 : 20 Break

Chairperson: Tetsushi Furukawa (Tokyo Medical and Dental University, Japan)

15 : 20 – 15 : 50 Michio Murata (Osaka University)

Drug-Membrane Interactions Viewed through NMR-Based Structures

15 : 50 – 16 : 20 Takashi Owa (Eisai Co., Ltd)

Exploring Druggable Chemical Space Using Transcriptomic and Quantitative Proteomic Analyses

16 : 20 – 16 : 50 Masatoshi Hagiwara (Tokyo Medical and Dental University)

Protein kinase inhibitors and their clinical potential

17 : 00 Laboratory Tour for TMDU Chemical Biology Screening Center (Open 2006)

Mixer