



北海道大学未来創薬・医療イノベーション拠点形成 第11回国際シンポジウムの開催について（お知らせ）

開催概要：

The 11th International Symposium for Drug Discovery and Medical Care

最先端創薬研究の現状-低分子医薬とバイオ医薬

Current strategy for development of biopharmaceuticals and small molecule drugs

創薬の基礎的な開発初期の部分を大学やベンチャー等が担う世界的な流れの中で、日本では化合物ライブラリー等の事業が展開され、化学をベースとする創薬基盤の整備が進められています。また、世界の売り上げ上位にある医薬品の半数以上がバイオ医薬品となってきており、新薬開発のストラテジーも大きく変化してきています。今回のイノベーション国際シンポジウムでは“Current strategy for development of biopharmaceuticals and small molecule drugs”（最先端創薬研究の現状-低分子医薬とバイオ医薬）というテーマで、化学とバイオの両面からの創薬開発について、国際的に著名な研究者をお招きしてシンポジウムを開催します。

日程：2013年8月1日（木）12：50～18：00，2日（金）8：57～13：30

場所：北海道大学理学部5号館低層棟 2階 大講堂

主催：国立大学法人北海道大学

言語：英語（通訳なし）

参加費：無料

お問い合わせ先

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理学部 5号館低層棟 2階 大講堂 (札幌市北区北10条西8丁目)



The 11th International Symposium for Future Drug Discovery and Medical Care Current Strategy for Development of Biopharmaceuticals and Small Molecule Drugs

August 1, Thursday

12:00 -	Registration	Venue : Large Auditorium, Graduate School of Science, Hokkaido University (Science Bldg. 5, 2nd floor) General Chairperson : Hajime Takayama, Ph.D. (Coordinating Office, HU)
12:50 - 13:00	Opening Remarks	Keizo Yamaguchi, Ph.D. (President, Hokkaido University (HU), JPN) Yasuyuki Igarashi, Ph.D. (Drug Discovery Research Project Leader, Faculty of Advanced Life Science, HU, JPN) Sotaro Ito (Senior Deputy Director-General, Science and Technology Policy Bureau, MEXT, JPN)
13:00 - 13:50	Invited Lecture	Chairperson Kenji Monde, Ph.D. (Faculty of Advanced Life Science, HU, JPN) Learning Nature's Strategies for Making Unusual Sugars: Mechanisms, Pathways, and Biosynthetic Applications Hung-wen Liu, Ph.D. (Department of Chemistry and Biochemistry, University of Texas at Austin, USA)
13:50 - 14:40	Invited Lecture	Chairperson Shin-Ichiro Nishimura, Ph.D. (Faculty of Advanced Life Science, HU, JPN) Natural product-inspired peptide drug discovery accelerated by RaPID system Hiroaki Suga, Ph.D. (Graduate School of Science, The University of Tokyo, JPN)
14:40 - 15:15	Educational Lecture	Chairperson Tsunehisa Arais, Ph.D. (Center for Innovation and Business Promotion, HU, JPN) Bioventures: Growth strategies for drug discovery and development Robert Kneller, J.D., M.P.H., M.D. (Research Center for Advanced Science and Technology, The University of Tokyo, JPN)
15:15 - 16:05	Invited Lecture	Chairperson Nagara Tamaki, M.D., Ph.D. (Graduate School of Medicine, HU, JPN) Integrated whole-body PET/MR: Current status and perspective Matthias Eiber, M.D. (Department of Nuclear Medicine, Technische Universität München, GER)
16:05 - 16:20	Coffee Break	
16:20 - 17:10	Invited Lecture	Chairperson Yoshikazu Tanaka, Ph.D. (Faculty of Advanced Life Science, HU, JPN) Specificity and Affinity of Antigen-Antibody Interactions: Thermodynamic analyses Kouhei Tsumoto, Ph.D. (Institute of Medical Science, The University of Tokyo, JPN)
17:10 - 18:00	Special Lecture	Chairperson Katsumi Maenaka, Ph.D. (Faculty of Pharmaceutical Sciences, HU, JPN) LIGAND RECOGNITION AND PLASTICITY IN HIV ENVELOPE GLYCOPROTEIN gp120 Wayne A. Hendrickson, Ph.D. (Department of Biochemistry & Molecular Biophysics, Columbia University, USA)
18:30 - 20:00	Welcome Reception Party	Faculty House "Enreiso"

August 2, Friday

08:30 -	Registration	
08:57 - 09:00	Greetings	Masanori Kasahara, M.D., Ph.D. (Dean, Graduate School of Medicine, HU, JPN)
09:00 - 09:50	Invited Lecture	Chairperson Toyoyuki Ose, Ph.D. (Faculty of Pharmaceutical Sciences, HU, JPN) Insights for novel therapeutic strategies from the molecular mechanisms of cell-cell signalling E. Yvonne Jones, FMedSci. (Nuffield Department of Clinical Medicine, University of Oxford, GBR)
09:50 - 10:40	Invited Lecture	Chairperson Yuji Kuge, Ph.D. (Central Institute of Isotope Science, HU, JPN) PET imaging for development of biopharmaceuticals and small molecule drugs Shintaro Nishimura, Ph.D. (Bioimaging Research Laboratories, Astellas Pharma Inc., JPN)
10:40 - 11:30	Invited Lecture	Chairperson Min Yao, Ph.D. (Faculty of Advanced Life Science, HU, JPN) Crystal structure of Histamine H₁ receptor and drug design Tatsuro Shimamura, Ph.D. (Graduate School of Medicine, Kyoto University, JPN)
11:30 - 12:20	Invited Lecture	Chairperson Fuyuhiko Inagaki, Ph.D. (Faculty of Advanced Life Science, HU, JPN) Structure-based drug design using chemical compound and peptide Osamu Nureki, Ph.D. (Graduate School of Science, The University of Tokyo, JPN)
12:20 -	Closing Remarks	Katsumi Maenaka, Ph.D. (Professor, Faculty of Pharmaceutical Sciences, HU, JPN)
12:30 - 13:30	Lunch & Poster Sessions	