

第 22 回内藤コンファレンス 「ケミカルバイオロジー[I]」 開催案内

開催日時： 2008年9月9日（火）～9月12日（金）

開催場所： シャトレーゼ ガトーキングダム サッポロ（札幌市）

組織委員：○磯部 稔先生： 名古屋大学高等研究院 教授
 長田 裕之先生： 理化学研究所中央研究所 主任研究員
 村田 道雄先生： 大阪大学大学院理学研究科 教授
 上田 実先生： 東北大学大学院理学研究科 教授
 上杉 志成先生： 京都大学化学研究所 教授
 ○：委員長

セッション：

セッション A： Key Natural Products 1
 セッション B： Key Natural Products 2
 セッション C： Bioanalytical Chemistry
 セッション D： Small-Molecule-Initiated Biology
 セッション E： Target Proteins

日 程：

	午 前	午 後	夜
9月9日（火）		<参加登録> 15:30 ~	<基調講演> 17:30 ~ <レセプション> 18:30 ~
10日（水）	開会挨拶：磯部先生 セッション A	セッション B	ポスターセッション (1)
11日（木）	セッション C	セッション D	ポスターセッション (2)
12日（金）	セッション E 閉会挨拶：長田先生		

September 9 (Tue.)

15:30 – 17:30

Registration

<i>Plenary Lecture:</i> Chairperson : Dr. Minoru Isobe		
17:30 – 18:30		Bioorganic Studies of Natural Products Department of Chemistry, Columbia University, USA Dr. Koji Nakanishi

18:30 – 20:00

Welcome Reception

September 10 (Wed.)

7:30 – 8:30

Breakfast

8:50 – 9:00

Opening Remarks: Dr. Minoru Isobe

<i>Session A : Key Natural Products 1</i> Chairperson : Dr. Dieter Seebach, Dr. Minoru Isobe		
9:00 – 10:00	A-1	Lessons from Studying β - and γ -Peptides Laboratorium fuer Organische Chemie, Department of Chemistry and Applied Biosciences, ETH Zuerich, Switzerland Dr. Dieter Seebach
10:00 – 10:30	A-2	Chemical Biology of Plant Movements using Bioactive Natural Products Laboratory of Organic Chemistry, Department of Chemistry, Tohoku University, Japan Dr. Minoru Ueda
10:30 – 11:00		Coffee Break
11:00 – 11:30	A-3	Bioactive Peptides with Posttranslational Modification Laboratory of Bioactive Natural Products Chemistry, Graduate School of Bioagricultural Sciences, Nagoya University, Japan Dr. Youji Sakagami
11:30 – 12:00	A-4	Diversity of Molecular Interaction between Natural Products and Target Proteins Institute of Advanced Research, Nagoya University, Japan Dr. Minoru Isobe
12:00 – 14:00		Lunch

Session B : Key Natural Products 2

Chairperson : Dr. Wilhelm Boland, Dr. Minoru Ueda

14:00– 14:30	B-1	Diverse Chemical Structures and Bioactivities of Marine Natural Products School of Science, Department of Chemistry, Nagoya University, Japan Dr. Daisuke Uemura
14:30– 15:00	B-2	Herbivore-Induced Indirect Defenses in Plants: Early and Late Events in Enemy-Recognition and Response Department of Bioorganic Chemistry, Max Plank Institute for Chemical Ecology, Germany Dr. Wilhelm Boland
15:00– 15:30	B-3	The Ecology, Chemistry and Evolution of Insect-Bacteria Mutualisms Department of Biological Chemistry and Molecular Pharmacology, Harvard Medical School, USA Dr. Jon C. Clardy
15:30– 16:00		Coffee Break
16:00 - 16:30	B-4	Identification of Bioactive Peptides and Proteins that Stimulate the Vomeronasal Pheromone Sensory Pathway for Socio-Sexual Communication in Mice Department of Integrated Biosciences, The University of Tokyo, Japan Dr. Kazushige Touhara
16:30– 17:00	B-5	Molecular Mechanisms of Self-Incompatibility of Plants Nara Institute of Science and Technology, Japan Dr. Akira Isogai
17:30 – 19:00		Dinner
19:00– 21:00		Poster Session (1)

September 11 (Thu.)

7:30 – 8:30

Breakfast

Session C : Bioanalytical Chemistry		
Chairperson : Dr. Anthony Watts, Dr. Michio Murata		
9:00 – 9:30	C-1	<p>Capturing the Value of Ultra-High Resolution Tandem Mass Spectrometry in Contemporary Chemical Biology</p> <p>Department of Chemistry, University of Illinois, USA</p> <p>Dr. Neil L. Kelleher</p>
9:30 – 10:00	C-2	<p>Analyzing Drug Binding Sites in Functionally Competent Membrane Receptors at Sub-Å Resolution</p> <p>Biochemistry Department, University of Oxford, UK</p> <p>Dr. Anthony Watts</p>
10:00– 10:30	C-3	<p>NMR Study on Protein Ligand Interaction</p> <p>Division of Physical Chemistry, Graduate School of Pharmaceutical Sciences, The University of Tokyo, Japan</p> <p>Dr. Ichio Shimada</p>
10:30 – 11:00		Coffee Break
11:00 – 11:30	C-4	<p>Molecular Assemblies in Biomembranes as Viewed by Solid State NMR</p> <p>Department of Chemistry, Graduate School of Science, Osaka University, Japan</p> <p>Dr. Michio Murata</p>
11:30 - 12:00	C-5	<p>Color Control Mechanism of Firefly Glowing: Crystal Structure and Mechanism of Luminescent Enzyme Luciferase</p> <p>Department of Structural Biology, Graduate School of Pharmaceutical Sciences, Kyoto University, Japan</p> <p>Dr. Hiroaki Kato</p>
12:00 – 14:00		Lunch

<i>Session D : Small-Molecule-Initiated Biology</i>		
Chairperson : Dr. Motonari Uesugi, Dr. Craig Crews		
14:00– 14:30	D-1	Design, Synthesis and Application of Bio-Imaging Probes which Convert Biological Signals to Chemical Output Graduate School of Engineering, Osaka University, Japan Dr. Kazuya Kikuchi
14:30– 15:00	D-2	New Methods for Protein Selective Labeling Department of Synthetic Chemistry and Biological Chemistry, Graduate School of Engineering, Kyoto University, Japan Dr. Itaru Hamachi
15:00– 15:30	D-3	Defining the Druggable ‘Cysteinome’ Department of Cellular & Molecular Pharmacology, University of California San Francisco, USA Dr. Jack Taunton
15:30– 16:00	Coffee Break	
16:00 - 16:30	D-4	The Protein Target of Marine Natural Product Aurilide Institute for Chemical Research, Kyoto University, Japan Dr. Motonari Uesugi
16:30– 17:00	D-5	A Small Molecule Approach to Cell Biology Department of Molecular, Cellular and Developmental Biology, Yale University, USA Dr. Craig M. Crews
17:30 – 19:00	Dinner	
19:00– 21:00	Poster Session (2)	

September 12 (Fri.)

7:30 – 8:30

Breakfast

<i>Session E : Target Proteins</i>		
Chairperson : Dr. Jun O. Liu, Dr. Hiroyuki Osada		
9:00 – 9:30	E-1	Application of Natural Products as Probes of Biological Processes Department of Pharmacology, Johns Hopkins School of Medicine, USA Dr. Jun O. Liu
9:30 – 10:00	E-2	From Marine Natural Products to Target Proteins: Integrative Approaches in Chemical Biology Department of Medicinal Chemistry, University of Florida, USA Dr. Hendrik Luesch
10:00– 10:30	E-3	Glyoxalase 1, a Target Molecule of Methyl-Gerberin which is an Inhibitor of Osteoclastogenesis RIKEN Antibiotics Laboratory, Japan Dr. Hiroyuki Osada
10:30 – 11:00		Coffee Break
11:00 – 11:30	E-4	Mapping Biochemical Pathways in Human Disease by Integrated Proteomics and Metabolomics The Scripps Research Institute, USA Dr. Benjamin F. Cravatt
11:30–12:00	E-5	A New PI3 Kinase Inhibitor ZSTK 474; identified by JFCR-39 Cancer Cell Panel Division of Molecular Pharmacology, Cancer Chemotherapy Center Japanese Foundation for Cancer Research, Japan Dr. Takao Yamori

12:00 – 12:10

Closing Remarks: Dr. Hiroyuki Osada

12:20 – 13:20

Lunch

当コンファレンスに参加を希望される方には、必ずポスター発表を行って頂きます。演題応募開始は、2008年3月3日（月）～4月4日（金）を予定しております。

財団ホームページ(<http://www.naito-f.or.jp>) にアクセスし、必要事項をご記入のうえお申込みください。組織委員会にて約60件を採択いたします。当日発表されたポスターの中から、組織委員会で優秀と認められた演題には、特定研究助成金（総額1050万円）を贈呈します。奮ってご応募ください。

以上