

**The Second Asian Symposium on
Pharmaceutical Sciences in Nagasaki
(2nd ASPS)**

DATE

March 16 (Mon.)-18(Wed.), 2009

VENUE

**School of Pharmaceutical Sciences,
Nagasaki University, Multipurpose Hall**

1-14 Bunkyo-machi, Nagasaki 852-8521, Japan

TEL: +81-95-819-3251

<http://www.ph.nagasaki-u.ac.jp/ASPS/index.html>

Schedule at a Glance

Time	March 16 (Mon.)	March 17 (Tue.)	March 18 (Wed.)
AM 09:00		Opening Addresses	IL-10 (Dr. Tsukamoto)
		PL-1 (Dr. Utsumi)	IL-11 (Dr. Alkhalil)
10:00		IL-1 (Dr. Lu)	IL-12 (Dr. Maruyama)
		Coffee break	Coffee break
11:00		IL-2 (Dr. Jung)	IL-13 (Dr. Lee)
		IL-3 (Dr. Jiang)	IL-14 (Dr. M.-J. Wu)
12:00		Poster Introduction Session	IL-15 (Dr. Eustache)
		Lunch	Closing Remarks
PM 01:00			
02:00		Poster Session	
03:00		IL-4 (Dr. Y.-C. Wu)	
		IL-5 (Dr. Zhu)	
04:00		IL-6 (Dr. Yamaguchi)	
		IL-7 (Dr. Medebielle)	
		Coffee break	
05:00	Registration	IL-8 (Dr. Zhou)	
		IL-9 (Dr. Kai)	
06:00	Welcome Party		
07:00		Banquet	

Program

March 17 (Tue)

9:00~9:15 Opening Addresses

Dr. Susumi Hatakeyama
Dean, School of Pharmaceutical Sciences, Nagasaki University

Opening Remarks

Dr. Shigeru Katamine
President, Nagasaki University

Chair: Dr. Kenichiro Nakashima

PL-1 9:15~10:00

Dr. Hideo Utsumi
Graduate School of Pharmaceutical Sciences, Kyushu University
Development of New Modality, Overhauser-MRI for Simultaneous
Molecular Imaging of Redox Status in Oxidative Disease Model

IL-1 10:00~10:30

Dr. Jianzhong Lu
School of Pharmaceutical Sciences, Fudan University
Chemiluminescence Platforms in Immunoassay and DNA Analyses

10:30~10:45 Coffee Break

Chair: Dr. Koji Yamada

IL-2 10:45~11:15

Dr. Jee H. Jung
College of Pharmacy, Pusan National University
Anti-inflammatory Enone Fatty Acids and Jasmonate Analogues

IL-3 11:15~11:45

Dr. Zhi-Hong Jiang
School of Chinese Medicine, Hong-Kong Baptist University
Ginsenosides as Markers for Quality Assessment and Lead Compounds
for Drug Discovery

Poster Introduction Session 11:45~12:15

13:45~14:45 Poster Session

Chair: Dr. Takashi Tanaka

IL-4 14:45-15:15

Dr. Yang-Chang Wu

Graduate Institute of Natural Products, Kaohsiung Medical University

From Natural Products to Drug Discovery Exploring Formosan
Annonaceous Acetogenins to New Drugs

IL-5 15:15-15:45

Dr. Yi Zhun Zhu

School of Pharmaceutical Sciences, Fudan University

Cardioprotection and Antioxidant Effects of Three Natural Compounds
and Derivatives on Acute Myocardial Ischemia *in vivo* and *in vitro*

Chair: Dr. Deqi Yuan

IL-6 15:45-16:15

Dr. Yasuchika Yamaguchi

Faculty of Pharmaceutical Sciences, Nagasaki International University

ONCE UPON A TIME IN BASEL: Medicinal Chemistry Efforts in a Drug
Discovery Project

IL-7 16:15-16:45

Dr. Maurice Medebielle

*Institut de Chimie et Biochimie Moléculaires et Supramoléculaires,
Université Claude Bernard Lyon 1*

Reductive Cyclization Processes for the Synthesis of Original
Fluorinated Cyclic Structures

16:45~17:00 Coffee Break

Chair: Dr. Kiyoshi Ito

IL-8 17:00-17:30

Dr. Changlin Zhou

*School of Life Science and Technology, China Pharmaceutical
University*

Biotransformation of Novel Nucleosides: An Effective Way for the
Preparation of Antiviral and Antitumor Drugs

IL-9 17:30-18:00

Dr. Masaaki Kai

Graduate School of Biomedical Sciences, Nagasaki University

New Tools for the Research on HIV and Prion Diseases

19:00~21:00 Banquet

March 18 (Wed)

Chair: Dr. Koyo Nishida

IL-10 9:00-9:30

Dr. Kazuhiro Tsukamoto

Graduate School of Biomedical Sciences, Nagasaki University

DNA-based Diagnosis for Personalized Medicine

IL-11 9:30-10:00

Dr. Suleiman Alkhalil

School of Pharmacy, University of Jordan

Pharmaceuticals Industry in Jordan

IL-12 10:00-10:30

Dr. Toru Maruyama

Graduate School of Pharmaceutical Sciences, Kumamoto University

Development of Novel S-Nitrosylated Albumin and its Therapeutic Application

10:30~10:45 Coffee Break

Chair: Dr. Toshihide Maki

IL-13 10:45-11:15

Dr. Seung Ho Lee

College of Pharmacy, Yeungnam University

Anti-Melanogenesis Activity of Some Natural Components

IL-14 11:15-11:45

Dr. Ming-Jung Wu

Department of Chemistry, National Sun Yat-sen University

Transition Metal-Catalyzed Cyclizations of Eneidyne

IL-15 11:45-12:15

Dr. Jacques Eustache

Ecole Nationale Supérieure de Chimie, Université de Haute-Alsace

Ring-rearrangement Metathesis with Heterocyclic Relays: An Approach to Polyunsaturated Saccharides

12:15~12:30 Closing Remarks

Poster Session

- P-001 Xuan Wang, Shintaro Fumoto, Junzo Nakamura, Koyo Nishida**
(*Graduate School of Biomedical Sciences, Nagasaki University*)
A Comparison between Cationic Polymer Polyethyleneimine and Naked pDNA in Gene Delivery following Selective Liver Surface Instillation in Mice
- P-002 Kohei Etoh, Naoko Imai, Keisuke Takahashi, Jun Ishihara, Susumi Hatakeyama** (*Graduate School of Biomedical Sciences, Nagasaki University*)
Synthetic Studies on Oxazolomycin, Potent Antiviral and Antitumor Agent, Using Conia-Ene Reactions
- P-003 Shaheen M. Sarkar, Everlyne Nafuna Wanzala, Setsuya Shibahara, Keisuke Takahashi, Jun Ishihara, Susumi Hatakeyama** (*Graduate School of Biomedical Sciences, Nagasaki University*)
Synthetic Studies on Fostriecin and Phoslactomycins Using Organocatalytic Asymmetric Baylis-Hillman Reactions
- P-004 Samuel S. Libendi, Yosuke Demizu, Masami Kuriyama, Osamu Onomura** (*Graduate School of Biomedical Sciences, Nagasaki University*)
Selective Anodic Cyanation of Protected Amines at α -Position
- P-005 Ken Yonezawa, Koji Yamada, Isao Kouno** (*Graduate School of Biomedical Sciences, Nagasaki University*)
Bioactive Constituents from the Marine Bacterium
- P-006 Chohan Guo¹, Ge Liu¹, Sheng Xiong^{1,2}, Xianglei Gao², Yifei Wang², Kaio Kitazato¹** (*¹Graduate School of Biomedical Sciences, Nagasaki University, ²Biomedical R&D Center, Jinan University*)
Anti-HIV Activity of Recombinant Antiviral Protein Cyanovirin-N and its Derivatives
- P-007 Ge Liu¹, Chohan Guo¹, Yingjun Zhang³, Sheng Xiong^{1,2}, Yifei Wang², Kaio Kitazato¹** (*¹Graduate School of Biomedical Sciences, Nagasaki University, ²Biomedical R&D Center, Jinan University, ³Kunming Institute of Botany, Chinese Academy of Sciences*)
Anti-influenza Virus Activity of Compounds from *Phyllanthus emblica* Linn
- P-008 Yuichi Ohwaki¹, Ryosuke Araki^{1,2}, Rumi Tominaga², Hideyuki Terazono², Hideto To², Hitoshi Sasaki², Mikiro Nakashima¹** (*¹Graduate School of Biomedical Sciences, Nagasaki University, ²Nagasaki University Hospital of Medicine and Dentistry*)
Effects of Antiarrhythmic Agents on Beating Rhythm of Cultured Cardiomyocyte Networks on an Agarose Microchamber Chip
- P-009 Makoto Fukudome, Satoshi Kawamura, De-Qi Yuan, Kahee Fujita** (*Graduate School of Biomedical Sciences, Nagasaki University*)
Photochemical Preparation of Maltohexaose from Mono-azido- β -cyclodextrins

- P-010 Naoko Ishikawa¹, Masakazu Tanaka², Masaaki Kurihara³, Hiroshi Suemune¹** (*¹Graduate School of Pharmaceutical Sciences, Kyushu University, ²Graduate School of Biomedical Sciences, Nagasaki University, ³National Institute of Health Sciences*)
Design and Synthesis of Cyclic Amino Acid Having a Chiral Acetal Moiety and Conformational Analysis of Its Peptides
- P-011 Mitsuhiro Wada, Rie Ikeda, Kenichiro Nakashima** (*Graduate School of Biomedical Sciences, Nagasaki University*)
Chemiluminescent Assay for Evaluation of Antioxidative Activity of Medicinal Plant
- P-012 Rie Ikeda, Mitsuhiro Wada, Kenichiro Nakashima** (*Graduate School of Biomedical Sciences, Nagasaki University*)
HPLC Determination of Biologically Active Components in Asian Tropical Plants
- P-013 Tomasz Krawczyk, Huan Zhang, Takayuki Shibata, Tsutomu Kabashima, Masaaki Kai** (*Graduate School of Biomedical Sciences, Nagasaki University*)
Alginate Acid-based Macromolecular Probe for Chemiluminescent Detection of Protein
- P-014 Moses N. Wainaina, Takayuki Shibata, Tsutomu Kabashima, Masaaki Kai** (*Graduate School of Biomedical Sciences, Nagasaki University*)
Development of Sequence Determination Method for Peptides with Fluorogenic Edman Reagent, 4-(1'-Cyanoisindolyl)phenylisothiocyanate
- P-015 Zhi qiang Yu, Chen hong Tang, Tsutomu Kabashima, Takayuki Shibata, Masaaki Kai** (*Graduate School of Biomedical Sciences, Nagasaki University*)
Novel Fluorometric Assay for Identification of Mutant HIV Proteases with HPLC
- P-016 Hossain Md. Towhid, Tsutomu Kabashima, Takayuki Shibata, Masaaki Kai** (*Graduate School of Biomedical Sciences, Nagasaki University*)
Development of Simple Method for DNA Aptamer against Protein
- P-017 Masafumi Hongoh, Mamoru Haratake, Morio Nakayama** (*Graduate School of Biomedical Sciences, Nagasaki University*)
A study of Selenium Export Mechanism from Red Blood Cells
- P-018 Samuel Osei-Asante, Mamoru Haratake, Morio Nakayama** (*Graduate School of Biomedical Sciences, Nagasaki University*)
Preparation of Ionic Polymer Bead Supported Lipid System Using Naturally Occurring Phospholipids
- P-019 Mineyo Takasu¹, Hiroaki Nishioka¹, Masako Miki¹, Tsutomu Mawatari¹, Eiko Iwamoto¹, Shinji Kondo¹, Hiroyuki Yamaguchi², Katsumi Nakatomi², Yoichi Nakamura², Shigeru Kohno², Kazuhiro Tsukamoto¹** (*¹Graduate School of Biomedical Sciences, Nagasaki University, ²School of Medicine, Nagasaki University*)
Mutational Analysis of the EGFR Gene in Lung Adenocarcinoma

Patients Treated with Gefitinib

- P-020 Naomi Iio¹, Tatsuo Inamine¹, Shingo Higa¹, Fumie Noguchi¹, Ayumi Kawauchi¹, Shinji Kondo¹, Minoru Nakamura², Hiromi Ishibashi², Katsuhisa Omagari³, Kazuhiro Tsukamoto¹** (*¹Graduate School of Biomedical Sciences, Nagasaki University, ²National Hospital Organization Nagasaki Medical Center, ³Department of Nutrition, Siebold University of Nagasaki*)

Clinical Progression in Japanese Patients with Primary Biliary Cirrhosis is Associated with a Single-nucleotide Polymorphism of the Retinoid X Receptor Beta Gene

- P-021 Mizuho Shiota¹, Kayoko Sato¹, Yukiko Narumi¹, Shinji Kondo¹, Haruhisa Machida², Hajime Isomoto², Yohei Mizuta², Shigeru Kohno², Kazuhiro Tsukamoto¹** (*¹Graduate School of Biomedical Sciences, Nagasaki University, ²School of Medicine, Nagasaki University*)

Identification of the Disease-susceptible Gene for Crohn's Disease in the Japanese Population

- P-022 Long-Kwan Ho¹, Yosuke Matsuo¹, Mohammed N. Shuaibu^{1,2}, Takashi Tanaka¹, Isao Kouno¹** (*¹Graduate School of Biomedical Sciences, Nagasaki University, ²Institute of Tropical Medicine, Nagasaki University*)

Phytochemical Study of African Plants Having Trypanocidal Activity

- P-023 Sameh Ahmed¹, Naoya Kishikawa¹, Kaname Ohyama¹, Toshihide Maki¹, Hiromasa Kurosaki², Kenichiro Nakashima¹, Naotaka Kuroda¹** (*¹Graduate School of Biomedical Sciences, Nagasaki University, ²Graduate School of Pharmaceutical Sciences, Kumamoto University*)

Photo-induced Luminol Chemiluminescence Method for Determination of Quinones

- P-024 Lawrence Asamoah Adutwum, Naoya Kishikawa, Kaname Ohyama, Kenichiro Nakashima, Naotaka Kuroda** (*Graduate School of Biomedical Sciences, Nagasaki University*)

Sensitive Determination of 1- and 2-Naphthol in Human Plasma by HPLC-fluorescence Detection with DIB-Cl as a Labeling reagent

- P-025 Kanako Nakashima, Ryuji Yamazawa, Yoshitaka Nakajima, Kiyoshi Ito, Tadashi Yoshimoto** (*Graduate School of Biomedical Sciences, Nagasaki University*)

Crystal Structure of D-3-hydroxybutyrate Dehydrogenase Complexed with L-3-Hydroxybutyrate

- P-026 Yufan Wu, Koji Nakayama, Yoshio Nakano, Yoshitaka Nakajima, Kiyoshi Ito, Tadashi Yoshimoto** (*Graduate School of Biomedical Sciences, Nagasaki University*)

L-Methionine Gamma-lyase from *Porphyromonas gingivalis* Has a High Activity on Cysteine

- P-027 Toshiaki Sakamoto, Kei-ichi Ozaki, Nobuyuki Baba, Kosuke Fujio, Susumu Tanimura, Michiaki Kohno** (*Graduate School of Biomedical*

Sciences, Nagasaki University)

Blockade of Constitutively Activated ERK Signaling Enhances Cytotoxicity of HDAC Inhibitors in Tumor Cells

P-028 **Toshihide Maki, Nobuaki Tsuda** (*Joint Research Center, Nagasaki University*)

Simple Protocol for Detection of Tagged Amino Acids and Oligopeptides by Laser Desorption Ionization Mass Spectrometry