

# JCCF

Japan Combinatorial Chemistry Focus Group

FAX:6-6443-6685 E-mail: jccf@soc2.riken.go.jp <http://www.orgsyn.riken.go.jp/CombiChem.html>

## Eighth Conference on Combinatorial Chemistry, Japan

April 26-27, 1999

Senri Life Science Center

Toyonaka, Osaka, Japan

Sponsored by:

The Japan Combinatorial Chemistry Focus Group

Supported by:

The Kinki Chemical Society, Japan

The Chemical Society of Japan

The Pharmaceutical Society of Japan

## Program

April 26

10:00 opening

- 10:10-11:00 IL-1 Hirohisa Shindo (Shionogi & Co.,Ltd.)  
Development of high speed lead optimization using molecular diversity and parallel synthesis
- 11:00-11:20 O-1 David Stone (Biofocus)  
Integrating synthetic and computational chemistry for library design
- 11:20-11:40 O-2 Yoshihiro Ito (Nara Institute of Science and Technology)  
Extension of in vitro selection to create new kinds of aptamers and aptazymes
- 13:30-14:20 IL-2 Kazuhisa Sugimura (Faculty of Technology, Kagoshima University)  
Peptide mimics of the CTLA4 or CCR5-binding domain and their biological functions
- 14:20-14:40 O-3 Yasuyuki Shimohigashi (Graduate School of Science, Kyushu University)  
Structure-activity Studies of Phospholipase A2 Inhibitors Based on Peptide Library
- 14:40-15:00 O-4 Shinji Nagai (Hitachi, Ltd.)  
Work flow of combinatorial synthesis using liquid synthesis and parallel purifier
- 15:00-15:20 O-5 Michiko Kanai\* (Nihon Waters K.K.), Andrew Brailsford and Chris Chumsae (Waters Corporation)  
Mass-directed auto purification and characterization of combinatorial libraries
- 15:50-16:40 IL-3 Anthony D. Piscopio (Array BioPharma)  
New methods for the high speed parallel synthesis of functionalized heterocycles
- 16:40-17:00 O-6 Patrick Coffey (Dyax Corporation, Biotage Division)  
High throughput organic chemistry (HTOC): An automated system for purifying, characterizing and quantifying products of automated synthesis
- 17:00-17:50 IL-4 Shu Kobayashi (Graduate School of Pharmaceutical Sciences, University of Tokyo)  
Organic synthesis for library construction
- 18:00- mixer

April 27

- 9:30-10:20 IL-5 Tsutomu Nakamura\* (Osaka National Research Institute, AIST), Masahiro Iwakura (National Institute of Bioscience and Human Technology, AIST)  
Discrimination of structural and functional elements in proteins by circular permutation analysis
- 10:20-10:40 O-7 T. S. Haque<sup>1</sup>, A. G. Skillman<sup>2</sup>, C. E. Lee<sup>1</sup>, H. Habashita<sup>1\*</sup>, I. Y. Gluzman<sup>3</sup>, T. J. A. Ewing<sup>2</sup>, D. E. Goldberg<sup>3</sup>, I. D. Kunz<sup>2</sup>, J. A. Ellman<sup>1</sup>(1. University of California, Berkeley; 2. University of California, San Francisco; 3. Washington University)  
Directed combinatorial library of aspartyl protease inhibitors. Application to discovery of non-peptide inhibitors of malarial aspartyl protease plasmepsin II.

- 10:40-11:00 O-8 Jason Armstrong (HTS Consulting Ltd.)  
Comparisons of HTS mRNA assays that are alternatives to reporter assays, including their implementation of automation.
- 11:00-11:50 IL-6 Sung-eun Yoo (Korea Research Institute of Chemical Technology)  
Design of new linkers and a new analytical methodology for combinatorial chemistry
- 13:50-14:10 O-9 Takayuki Doi, Ichiro Hijikuro\*, Takashi Takahashi (Department of Chemical Engineering, Tokyo Institute of Technology)  
An efficient solid phase synthesis of the vitamin D3 system
- 14:10-15:00 IL-7 Jonathan A. Ellman (University of California, Berkeley)  
Design, synthesis and evaluation of small molecule libraries
- 15:00-15:20 O-10 Yasuhiro Uozumi, Tetsu Nakane\*, H. Peter Nestler, Rosemarie Sherlock, Ruiping Liu (Nagoya City University, Cold Spring Harbor Laboratory)  
A combinatorial approach to enantioselectors for axially chiral phosphines.
- 15:20-15:40 O-11 Clare Ruddick (Mettler Toledo Myriad)  
High performance automated synthesis successful advanced chemistry in an integrated system
- 15:40-16:30 IL-8 Chi-Huey Wong (The Scripps Research Institute)  
Libraries of carbohydrates and carbohydrate mimetics
- 16:30- closing

## INVITATION

On behalf of Japan Combinatorial Chemistry Focus Group, the Organizing Committee cordially invites you to the Eighth Conference on Combinatorial Chemistry, Japan (JCCF 8).

### Date and Place

The Conference will be held on Monday and Tuesday, April 26–27, 1999 at Senri Life Science Center: Shinsenrihigashi-machi 1-4-2, Toyonaka, Osaka, Japan, Phone (+81) 6-873-2010.

### Transportation to the Conference Hall

Take a direct flight to Osaka (Kansai) International Airport (KIX), from where JR train "Haruka" will reach JR Shin-Osaka Station, take the subway Midosuji-line for Senri-chuo station, then 5min on foot.

Take Osaka monorail to Senri-chuo station from Osaka Domestic Airport where some domestic flights come from New Tokyo International Airport (Narita).

### Conference Language

The conference language, written and spoken will be Japanese and/or English.

## GENERAL INFORMATION

### Advanced Registration

Those who wish to participate in the Conference are kindly requested to register in advance.

**FAX: (6)-6443-6685 [+81 (international), +0 (domestic)]**

Note: E-mail/Internet Registration is also acceptable: See, Internet Home Page at <http://www.orgsyn.riken.go.jp/CombiChem.html>

### Registration Fee

Advance registration (by April 9, 1999)

- associate member: no charge for up to 3 people  
(An associate member shall pay 100,000 Yen a unit per year. Only associate members can exhibit during the JCCF meetings.)
- regular member: commercial 15,000 yen

academic, government 8,000 yen  
student 3,000 yen

(A member shall pay 5,000 Yen (3,000 Yen for Student member) per year.)

- member of co-sponsors: commercial 20,000 yen  
academic, government 10,000 yen  
student 4,000 yen

(Co-sponsors: e.g., Chemical Society of Japan, Pharmaceutical Society of Japan, etc.)

- without membership: 30,000 yen

*On-site or late registration*

- regular member: commercial 20,000 yen  
academic, government 10,000 yen  
student 4,000 yen.
- member of co-sponsors: commercial 25,000 yen  
academic, government 12,000 yen  
student 6,000 yen
- without membership: 40,000 yen

Payment of the registration fee should be made in Japanese Yen by:

### Bank transfer to:

Name of Bank: Sakura Bank, Higobashi Branch  
Account No.: (Regular Savings) 3464685  
Account Name: Japan Combinatorial Chemistry Focus Group (JCCF)

## CORRESPONDENCE

All correspondence concerning this conference should be addressed to the Organizing Committee of the Conference by FAX or E-mail:

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