

JCCF8

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第8回 Combinatorial Chemistry 研究会

1999年4月26日、27日

千里ライフサイエンスセンター

[豊中市新千里東町1-4-2/電話06-873-2010]

主催：Combinatorial Chemistry研究会

共催：近畿化学協会、日本化学会近畿支部、日本薬学会近畿支部他

4月26日

10:00 開会 (opening)

- 10:10-11:00 IL-1 新堂裕久 (塩野義製薬研究所)
固相合成と多様性解析を用いたリード化合物の効率的構造最適化
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 伊藤嘉浩 (奈良先端科学技術大学院大学)
コンビナトリアル化学 (拡張進化分子工学) による分子認識高分子 (人工抗体、高分子触媒) の創成
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 杉村和久 (鹿児島大工)
生体制御分子の機能性ドメインのペプチドミミック
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 下東康幸 (九大院理)
ペプチドライブラリーを基盤とするリン脂質分解酵素インヒビターの構造活性相関
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 永井伸治 (日立製作所)
液相合成とパラレル精製装置を用いたコンビナトリアル合成のワークフロー
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 小林修 (東大院薬)
ライブラリー構築のための有機合成
Shu Kobayashi (Graduate School of Pharmaceutical Sciences, University of Tokyo)
Organic synthesis for library construction
- 18:00- 懇親会 (mixer)

4月27日

- 9:30-10:20 IL-5 中村努 (工技院・大工研)、巖倉正寛 (工技院・生命研)
円順列変異解析による蛋白質の構造エレメントと機能エレメントの探索
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. Haque¹, A. G. Skillman², C. E. Lee¹, H. Habashita^{1*}, I. Y. Gluzman³, T. J. A. Ewing², D. E. Goldberg³, I. D. Kunz², J. A. Ellman¹ (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.)
New Developments in Linear Based Microplate Robotic Processing for HTS including UHTS assay screening data.
- 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 土井隆行、土黒一郎*、高橋孝志 (東工大工)
固相合成を用いたビタミンD₃のライブラリー化
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 魚住泰広¹, 中根 哲^{1*}, H. P. Nestler², R. Sherlock², R. Liu²
(1. 名古屋市立大学薬学部, 2. コールド・スプリング・ハーバー研究所)
軸不斉ホスフィン認識分子へのコンビナトリアル・アプローチ
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- 閉会 (closing)