

International Symposium on Molecular Recognition of DNA: Biological Applications

iCeMS International Symposium

Date: Thursday, September 18, 2008

Venue: 2nd F. Int'l Conference Hall II & III, Clock Tower Centennial Hall, Kyoto Univ.

Co-hosted by:

- GCOE: International Center for Integrated Research and Advanced Education in Materials Science, Kyoto Univ.
- Institute for Integrated Cell-Material Sciences (iCeMS), Kyoto Univ.

Public Lectures: 10:00 ~ 17:00 | Free of Charge

10:00 *Therapeutic Application of PI Polyamides as a Gene Silencer*

Noboru Fukuda, Associate Professor, Advanced Research Institute for the Sciences and Humanities, Life Science, Nihon University

10:50 *Strategy against Cancer: an Approach using Pyrrole-Imidazole Polyamide Molecules*

Hiroki Nagase, Professor, Division of Cancer Genetics, Department of Advanced Medical Science, Nihon University

11:40 Lunch

13:00 *A Modular Strategy for Tailoring Ribonucleopeptide-based Fluorescent Sensors*

Takashi Morii, Professor, Biofunctional Science Research Section, Institute of Advanced Energy, Kyoto University

13:50 *DNA-mediated Signaling of Oxidative Damage and Repair*

Jacqueline K. Barton, Arthur and Marian Hanisch Memorial Professor and Professor of Chemistry, Division of Metal-Nucleic Acid Chemistry, California Institute of Technology

14:50 Break

15:10 *Recognition of Mismatched Base Pairs by Small Synthetic Ligands*

Kazuhiko Nakatani, Professor, Department of Regulatory Bioorganic Chemistry, Institute of Scientific and Industrial Research, Osaka University

16:00 *Structural Basis for the Allosteric Modulation of DNA by Sequence Specific DNA Binding Polyamides*

Peter B. Dervan, The Bren Professor of Chemistry, Division of Chemistry and Chemical Engineering, California Institute of Technology

Reception: 18:00~20:00 | Charge: JPY 1,000 for students. JPY 5,000 for non-students.

Registration:

Required. Please email us the following information:

- your name
 - organization you belong to and your title (or grade if you are a student)
 - whether you intend to attend the Reception
- at bando@kuchem.kyoto-u.ac.jp for registration.

Please note that the seats will be reserved for the first 200 to contact us.

Contact:

Professor Hiroshi Sugiyama

Department of Chemistry, Graduate School of Science
Kitashirakawa-Oiwakecho, Sakyo-Ku, Kyoto 606-8502
Phone: +81-75-753-4002 | Fax: +81-75-753-3670



KYOTO UNIVERSITY
Global COE Program

INTEGRATED
MATERIALS SCIENCE