

CNSI – Kyushu University Global COE Joint Symposium on Molecular NanoSystems

Monday, January 28th, 2008

15:45 – 16:30 **Tour of the CNSI led by David Lundberg**

16:30 – 18:00 **Welcome Reception**
CNSI Presentation Space

Tuesday, January 29th, 2008

8:00 – 8:20 **Name Badge Pick-up and Light Refreshments**

8:20 – 8:30 **Welcoming Remarks – Leonard H. Rome**, Interim Director, CNSI

8:30 – 8:50 **Introduction of the Global COE Program – Hirotaka Oku**, Ministry of Education, Culture, Sports, Science and Technology, Japan

8:50 – 9:00 **Introduction of the Kyushu University Global COE Program – Nobuo Kimizuka**, Kyushu University, Leader of G-COE
“Future Molecular Systems”

9:00 – 9:30 **Keynote Speech: Wataru Koterayama**, Kyushu University, Vice President
“Research Activities and Strategy, University-Industry Collaboration at Kyushu University”

9:30 – 10:10 **Keynote Speech: Omar Yaghi**, UCLA, Chemistry and Biochemistry, Inorganic Chemistry
“Pores without Walls for Clean Energy”

10:10 – 10:30 **Coffee Break**

10:30 – 12:10 **Presentations**

10:30 – 10:55 **Atsushi Takahara** (Kyushu University)
“Preparation of Novel Polymer Hybrids from Imogolite Nanofiber”

10:55 – 11:20 **Tim Deming** (UCLA)
“Self-Assembling Polypeptide Amphiphiles”

11:20 – 11:45 **Nobuo Kimizuka** (Kyushu University)
“Self-Assembling Nanofibers and Their Functions”

11:45 – 12:10 **Miguel Garcia-Garibay** (UCLA)
“Amphidynamic Materials and Molecular Machines - A New Frontier in Molecular and Crystal Engineering”

12:10 – 13:40 **Lunch Break**

13:40 – 15:45 Presentations

13:40 – 14:05 Hiroyuki Furuta (Kyushu University)
“Confusion Approach to Near-Infrared Porphyrinoids”

14:05 – 14:30 Tom Mason (UCLA)
“Curvature dependence of viral protein structures on encapsidated nanoemulsion droplets”

14:30 – 14:55 Toshihiko Imato (Kyushu University)
“Multiplex Flow Immunoassay Based on Surface Plasmon Resonance Sensor and Magnetic Microbeads”

15:00 – 17:30 Poster Preview, Session and Reception
CNSI, Presentation Space

Wednesday, January 30th, 2008

8:20 – 8:40 Light Refreshments

8:45 – 9:25 Keynote Speech: Seiji Shinkai, Kyushu University, Chemistry and Biochemistry
“Supramolecular Architectures Created Using ‘Polymers’ as Building Blocks”

9:25 – 10:05 Keynote Speech: Jeff Zink, UCLA, Chemistry and Biochemistry, Inorganic Chemistry, Physical Chemistry
“Meso-structured Nanoparticles and Molecular Machines for Drug Delivery and On-Command Release”

10:05 – 10:30 Coffee Break

10:30 – 12:10 Presentations

10:30 – 10:55 Hiroshi Kitagawa (Kyushu University)
“Solid-State Nano Protonics”

10:55 – 11:20 Yoshio Hisaeda (Kyushu University)
“Bioinspired Catalysts Learned from Vitamin B12 Enzyme”

11:20 – 11:45 Sarah Tolbert (UCLA)
“Controlling assemblies through polymer templating – from optical to magnetic materials”

11:45 – 12:10 Yoshiki Katayama (Kyushu University)
“Co-development of Diagnosis and Therapy Using Intracellular Signal-responsive Molecular System”

12:10 – 13:40 Lunch Break

13:40 – 15:00 Panel Discussion – Academia- Industry Relationship
Moderated by Ken Polasko, OIPA

- **Megumi Takata**, IMAQ, Director of Technology Transfer
- **Jeff Green**, NanoH₂O, Chief Executive Officer
- **Dina Lozofsky**, CNSI, Director of Technology Commercialization

15:00

Closing Address

Leonard H. Rome, Interim Director, CNSI

Nobuo Kimizuka, Professor, Kyushu University

15:10

Exploration of Collaborative Research

17:00 – 18:30

Reception

CNSI, Presentation Space