

# International Symposium on Environmentally Benign Synthesis

Date: October 22 - 23, 2010

Venue: Osaka University Nakanoshima Center

## Program at a Glance

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### Friday, Oct. 22

09:00 - 09:10	<i>Opening Remarks</i>	
09:10 - 10:00	Guy Lavigne	Invited lecturer
10:00 - 10:30	Tetsuro Murahashi	Osaka University lecturer
10:30 - 10:50	Takuto Nagano	Osaka University student
10:50 - 11:10	<i>Coffee Break</i>	
11:10 - 11:30	Ning Wang	Osaka University student
11:30 - 12:00	Hayato Tsurugi	Osaka University lecturer
12:00 - 14:20	<i>Lunch and POSTERS</i>	
14:20 - 15:10	John H. K. Yip	Invited lecturer
15:10 - 15:40	Shokyoku Kanaoka	Osaka University lecturer
15:40 - 16:00	Yukari Oda	Osaka University student
16:00 - 16:30	<i>Coffee Break</i>	
16:30 - 17:20	Kenichi Kuroda	Invited lecturer
17:20 - 18:10	Jun Okuda	Invited lecturer
18:30 -	<i>Banquet</i>	

### Saturday, Oct. 23

09:00 - 09:50	Abigail G. Doyle	Invited lecturer
09:50 - 10:10	Daijiro Tsukamoto	Osaka University student
10:10 - 10:30	Yusuke Ano	Osaka University student
10:30 - 11:00	Hitoshi Kuniyasu	Osaka University lecturer
11:00 - 11:50	Tomislav Rovis	Invited lecturer
11:50 - 12:00	<i>Closing Remarks</i>	

Afternoon *Excursion*

## Scientific Program

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**Friday, October 22, 2010**

**09:00 - 09:10** Opening Remarks Prof. Shunichi FUKUZUMI

Chair: Tomoo MIZUGAKI

**09:10 - 10:00** "On an Overgrown Path": Variations on the Theme of Carbenes  
**Guy LAVIGNE**

**10:00 - 10:30** Chemistry of Multinuclear Metal Sandwich Complexes  
**Tetsuro MURAHASHI**

**10:30 - 10:50** Catalytic Asymmetric Hydrogenation of 2-Substituted Quinoxalines  
using Halogen-Bridged Iridium Dinuclear Complexes  
**Takuto NAGANO**

*Coffee Break*

Chair: Yasuhiro SHIRAISHI

**11:10 - 11:30** Comprehensive Chemical Synthesis of Peptidoglycan Fragments for  
Exploring Recognition Proteins  
**Ning WANG**

**11:30 - 12:00** Hafnium-carbon Bond Mediated C-H Bond Activation of  
Heteroaromatic Compounds  
**Hayato TSURUGI**

*Lunch / Posters*

Chair: Mamoru TOBISU

**14:20 - 15:10** Developing Metal-Polycyclic-Aromatic-Hydrocarbons Into a New Class  
of Organometallic Emitters and Photosensitizers  
**John H. K. YIP**

**15:10 - 15:40** Living Cationic Polymerization: Recent Progress in Catalyst Systems and  
Shape-Controlled Polymers  
**Shokyoku KANAOKA**

**15:40 - 16:00** Synthesis of Block and Star-Shaped Copolymers with Various Functional Groups by Living Cationic Polymerization and Their Stimuli-Induced Self-Assembly  
**Yukari ODA**

*Coffee Break*

Chair: Yukari FUJIMOTO

**16:30 - 17:20** Design, Activity, and Mechanism of Antimicrobial Polymers and Macromolecules that Mimic Host-Defense Peptides  
**Kenichi KURODA**

**17:20 - 18:10** Single-Site Catalysts for the Stereoselective Synthesis of the Bioplastic Poly (lactic acid)  
**Jun OKUDA**

**18:30 -**

*Banquet*

## **Saturday, October 23, 2010**

Chair: Makoto YASUDA

**09:00 - 09:50** Catalytic Methods for Enantioselective Fluorination with Fluoride Sources  
**Abigail G. DOYLE**

**09:50 - 10:10** Highly Efficient Methyl Ketone Synthesis with Photoactivated Acetone and Olefins Assisted by Mg(II)-Exchanged Zeolite Y  
**Daijiro TSUKAMOTO**

**10:10 - 10:30** Palladium-Catalyzed Direct Alkynylation of Aromatic Carbon-Hydrogen Bonds  
**Yusuke ANO**

Chair: Tetsuya SATOH

**10:30 - 11:00** Facile Ligand Exchange Reaction for Evaluation of Relative  $\Delta G$  of the Oxidative Addition of Benzoyl Halide to Platinum(0) Complex  
**Hitoshi KUNIYASU**

**11:00 - 11:50** Green Ring-Forming Strategies in Asymmetric Catalysis  
**Tomislav ROVIS**

**11:50 - 12:00** Closing Remarks