

5th YOSHIMASA HIRATA MEMORIAL LECTURE

and

The 1st Global COE International Symposium on Elucidation and Design of Materials and Molecular Functions

Program

January 12 (Mon)

18:00-20:00 Welcome Reception (Shiratori, Nagoya Mielparque Hotel)

January 13 (Tue)

9:30-9:35 Welcome Address

9:35-9:50 Opening Remarks: **Yoshihito Watanabe** (G-COE Leader, Nagoya Univ.)

Chair; Kazuyuki Tatsumi

9:50-10:40 **PL-01 Ian Dance** (Univ. New South Wales, Australia)
Opportunities for New and Unusual Metal-Carbon Systems

10:40-11:00 *Coffee Break*

Chair; Toshiya Endo

11:00-11:40 **IL-01 Kazuya Kikuchi** (Osaka Univ.)
Development of Visualization Probes with Tunable Chemical Switches for Biological Applications

11:40-12:10 **R-01 Yoshihito Watanabe** (Nagoya Univ.)
Molecular Design of Organometalloproteins

12:10-12:30 **R-02 Tohru Yoshihisa** (Nagoya Univ.)
Dynamics of tRNA in the Cell and the Genome – New Aspects of Classical "Non-Coding RNA"–

12:30-13:30 *Lunch* (Hananoki)

13:30-15:00 Poster Session (Toyoda Auditorium)

Chair; Shigehiro Yamaguchi

5th Yoshimasa Hirata Memorial Lecture

15:00-15:10 *Awarding Ceremony* Presenter: **Daisuke Uemura**(Keio Univ.)

15:10-16:00 **Scott J. Miller** (Yale University, USA)
Asymmetric Catalysis with Amino Acids and Peptides:
Some Structures and Functions

16:00-16:30 **R-03 Kazuaki Ishihara** (Nagoya Univ.)
2-Iodoxybenzenesulfonic acid (IBS) as an Extremely Active Catalyst for the Selective Oxidation of Alcohols to Aldehydes, Ketones, and Carboxylic Acids with Oxone®

16:30-16:50 **R-04 Tsuyoshi Matsumoto** (Nagoya Univ.)
Reversible H₂ Activation by Hetero-dinuclear Ru/Ge Complexes:
A Functional Hydrogenase Model

16:50-17:10 *Coffee Break*

Chair; Masato Kitamura

17:10-18:00 **PL-02 Scott E. Denmark** (Univ. Illinois, USA)
A New Paradigm for Catalysis

18:10-20:00 *Banquet* (Toyoda Auditorium))

January 14 (Wed)

Chair; Kunio Awaga

9:30-10:20 **PL-03 Kim R. Dunbar** (Texas A&M Univ., USA)
Magnetic and Conducting Materials based on Metal-Cyano Bridged Units

10:20-10:40 *Coffee Break*

Chair; Hisanori Shinohara

10:40-11:20 **IL-02 Keiko Nishikawa** (Chiba Univ.)
Novel Thermal Behavior of Ionic Liquids

11:20-11:50 **R-05 Shigehiro Yamaguchi** (Nagoya Univ.)
Main Group Approach Toward Functional π -Electron Materials

11:50-12:10 **R-06 Kenichi Okazaki** (Nagoya Univ.)
Sputter Deposition of Ultrafine Gold-Silver Alloy Nanoparticles onto
Ionic Liquids

12:10-13:30 *Lunch*

Chair; Eiji Yashima

13:30-14:10 **IL-03 Myongsoo Lee** (Yonsei Univ., Korea)
Self-Scrolling of Rod-Coil Layers into Solid Tubules and Their Practical
Implications

14:10-14:40 **R-07 Masami Kamigaito** (Nagoya Univ.)
Metal-Catalyzed Living Radical Polymerization and Radical Polyaddition

14:40-15:00 **R-08 Atsushi Noro** (Nagoya Univ.)
Supramacromolecular Assembly and Built-in Function: Several Routes to
Nano-Structure Construction

15:00-15:20 *Coffee Break*

Chair; Yushu Matsushita

15:20-16:10 **PL-04 Timothy P. Lodge** (Univ. Minnesota, USA)
Block Copolymers and Ionic Liquids: A New Class of Functional
Nanocomposites

16:10- Closing Remarks: **Yushu Matsushita** (G-COE Vice Leader, Nagoya Univ.)