



May 14 & 15, 2014

Tokyo Metropolitan University

TMU International

Kick Off Workshop

for the Research Center

for **Gold Chemistry**

In December 2012 Tokyo Metropolitan University set up “**Research Center for Gold Chemistry(RCGC)**” which is directed by professor **Masatake Haruta**, a Nobel Prize candidate in chemistry. In order to celebrate the completion of a new building for RCGC, it will hold an international kick-off workshop on the topics of Physics, Chemistry and Biology of Gold: from Nanoparticles to Clusters by inviting distinguished scientists from domestic and overseas countries.

Program

May 14, 2014 at International House

[Theme] Physics, Chemistry, and Biology of Gold: from Nanoparticles to Clusters

Chair:

13:00-13:15	Opening Remarks (1)Fumio Harashima, Rector, TMU (2)Graham Hutchings, Director of Cardiff Catalysis Institute, Cardiff University (3)Masatake Haruta, Director of Research Center for Gold Chemistry, TMU
Chair: Masatake Haruta, TMU	
13:15-14:15	Opening Lecture by Sumio Iijima, Meijo University Low Dimension Structures: Synthesis, Characterization, and Applications
14:15-14:45	Invited Lecture 1 by Seiji Takeda, Inst. Sci. & Industrial Research, Osaka University Structures of the gold nanoparticulate catalysts in reaction environments
14:45-15:00	Coffee Break
Chair:	
15:00-15:30	Invited Lecture 2 by Takeshi Fujita, WPI Adv. Inst. Materials Res., Tohoku Univ. In-situ observation of catalytic nanoporous gold
15:30-16:00	Invited Lecture 3 by Motohiro Suzuki, Jpn. Synchrot. Radiat. Res. Inst./SPring-8 Unveiling the intrinsic magnetism in gold: X-ray spectroscopy study
16:00-16:30	Invited Lecture 4 by Weixue Li, Dalian Institute of Chemical Physics New insights on gold catalysis and its stability from first-principles
16:30-16:50	Coffee Break
Chair: Masatake Haruta, TMU	
16:50-17:40	Keynote Lecture 1 by Graham Hutchings, Cardiff University Redox catalysis using gold and gold-containing nanoparticles
17:40-18:10	Invited Lecture 5 by Ken Suzuki, Asahi Kasei Chemicals Corp. Development and commercialization of gold/nickel oxide nanoparticle catalysts with a core/shell structure for production of methyl methacrylate
18:10-18:20	Break
18:20-20:20	Buffet at Lever son Verre, TMU

Program **May 15, 2014** at International House

Chair:	
9:00-9:50	Keynote Lecture 2 by Avelino Corma, Technical University of Valencia Catalysis by gold nanoparticles and nanoclusters
9:50- 10:20	Invited Lecture 6 by Jiahui Huang, Dalian Institute of Chemical Physics Thermal stability: gold clusters versus gold nanoparticles
10:20-10:40	Coffee Break
Chair:	
10:40-11:30	Keynote Lecture 3 by Shu Kobayashi, The University of Tokyo Polymer-incarcerated gold nanoparticles as catalysts for green sustainable chemistry
11:30-12:00	Invited Lecture 7 by Tamao Ishida, Kyushu University Gold-catalyzed selective oxidations in liquid phase
12:00-13:20	Lunch
Chair:	
13:20-14:10	Keynote Lecture 4 by Tao Zhang, DICP Tuning activity/selectivity of Au-Pd catalysts by isolation of Au or Pd atoms
14:10-14:40	Invited Lecture 8 by Mizuo Maeda, RIKEN Double-helical DNA-functionalized gold nanoparticles for bio and chemical sensing
14:40-15:10	Invited Lecture 9 by Yoshie Fujimori, NBC Meshtec inc. Antiviral properties of supported gold catalysts against influenza virus
15:10-15:30	Coffee Break
Chair:	
15:30-16:20	Keynote Lecture 5 by Tatsuya Tsukuda, The University of Tokyo Nonscalable oxidation catalysis of gold clusters
16:20-16:50	Summary of the workshop and the role of RCGC, TMU Masatake Haruta
Chair:	
16:50-17:00	Closing Ceremony Dean Nishimura
17:00-17:30	Quick Laboratory Tour to RCGC

Registration

Please fill out and send us the following registration form. "Confirmation e-mail" will be sent to your address. Print out the "confirmation email" and bring it to the "Kick-off Workshop registration desk" during May 14 to 15, 2014.

※When the registration reaches the seating capacity, we will close the registration. In that case, we will inform you on the homepage.

※You are welcome to the buffet as far as you pay the fee (JPY5,000) at the registration desk. If you need a receipt, ask the registration desk.

Registration Form

Given name/Family name		
Job title		
Organization		
Work Phone		
Work Fax		
Email		
Workshop 1st day	<input type="checkbox"/> participation	<input type="checkbox"/> not participation
Workshop 2nd day	<input type="checkbox"/> participation	<input type="checkbox"/> not participation
Buffet:JPY5,000 (1st day)	<input type="checkbox"/> participation	<input type="checkbox"/> not participation
Optional research center tour	<input type="checkbox"/> participation	<input type="checkbox"/> not participation

Contact

Hiroshi KUNIMASA

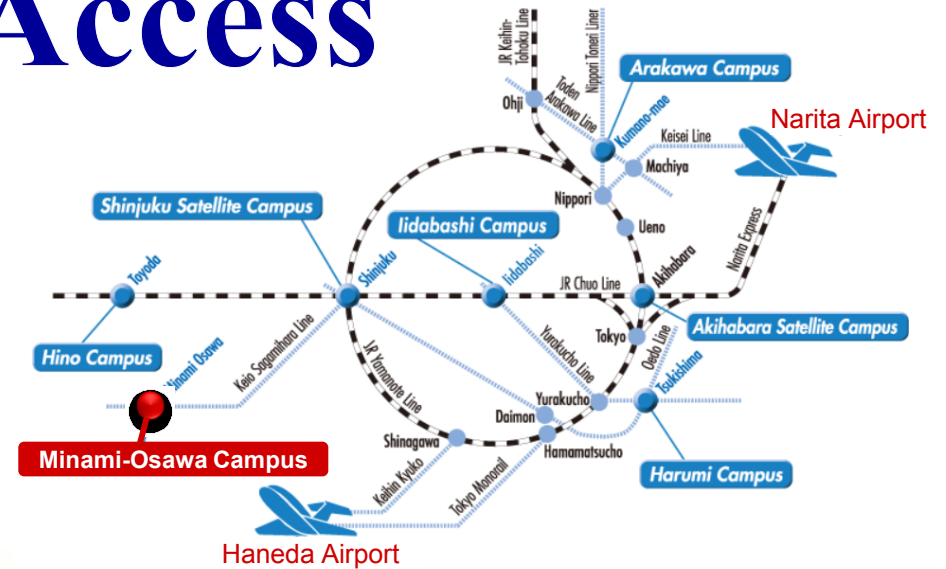
Tokyo Metropolitan University, Liaison Office

TEL +81-42-677-2729 FAX +81-42-677-5640

E-mail kunimasa-hiroshi@jmj.tmu.ac.jp

1-1 Minami-Osawa, Hachioji-shi, Tokyo, Japan 192-0397

Access



Minami-Osawa Campus of Tokyo Metropolitan University is a 15-minute walk from **Minami-Osawa Station, Keio Sagami Line**.

1. From Narita Airport to Minami-Osawa

- (1) Narita Airport St. → <JR Narita Express Line / 77min.> → Shinjuku St. → <Keio Line / Hashimoto-bound Express Train / 40min.> → Minami-Osawa St.
- (2) Narita Airport → <Limousine Bus / 140-170min.> → Minami-Osawa

2. From Haneda Airport to Minami-Osawa

- (1) Haneda Airport St. → <Keihin Kyuko Line / 19min.> → Shinagawa St. → <JR Yamanote Line / 19min.> → Shinjuku St. → <Keio Line / Hashimoto-bound Express Train / 40min.> → Minami-Osawa St.
- (2) Haneda Airport St. → <Limousine Bus / 120-150min.> → Minami-Osawa.