

CATALYSIS at Okayama University



Brainstorming Session

Sat. January 9th, 2016 12:30~ 工学部棟1号館 3階 大講義室 (C-302)
(Open to all faculty and students. No registration required.)

CATALYSIS is a main topic at Okayama University although all researchers are pretty scattered all over the various faculties of the University and many of them do not know much about their colleagues in the same field of research. Organising a brainstorming session is thus very important to understand the power of CATALYSIS at Okayama University, and possibly to foresee large collaborative projects.

All OU scientists involved to some degree (including 0 degree) in CATALYSIS are invited to participate.

Program

12:25 – 12:30 Opening

Shinichi YAMAMOTO, Executive Director (Research) / Vice President
Dr. Bernard CHENEVIER, Senior URA

Session 1 - Chairman: Takahiro OHKUBO

12:30 – 12:50

1 – “Synthesis of Polycyclic Aromatic Hydrocarbons by Palladium-Catalyzed Annulation”
Masayuki IWASAKI

12:50 – 13:10

2 – “Bridge between heterogeneous and homogeneous catalysis”
不均一系触媒と均一系触媒の相互理解 (担体=添加 or 配位子)
Yuta NISHINA

13:10 – 13:30

3 – “Development of Highly Active Nucleophilic Catalyst for Acyl Transfer reactions”
Hiroki MANDAI

13:30 – 13:50

4 – “Identification of the proteins that catalyze biomineral formation”
Michiko NEMOTO

Session 2 - Chairman: Jun KANO

13:50 – 14:10

5 – “Efficient Synthesis of pi-Extended Molecules with Transition Metal Catalysis” 遷移金属触媒を用いた新奇拡張π電子系分子の効率的合成
Koichi MITSUDO

14:10 – 14:30

6 – “Molecular evolution of [NiFeSe] hydrogenase by phylogenetic study and molecular dynamics simulations”
Takashi TAMURA

14:30 – 14:50

7 – “Structural analysis and bio-engineering of amino acid oxidase”
Kenji INAGAKI

Session 3 - Chairman: Yuta NISHINA

14:50 – 15:10

8 – “Catalytic properties assisted by ferroelectric polarization fluctuations”
Jun KANO

15:10 – 15:30

9 – “Specific chemical reaction based on nano-confinement effect”
ナノスペースの化学：ナノ制約効果に基づく特異な化学反応
Takahiro OHKUBO

15:30 – 15:50

10 – “Fabrication and Photosensitizing Property of Coaxial Nanowires Having Carbon Nanotube Core”
Yutaka TAKAGUCHI

15:50 – 16:10

11 – “Tetrathionate hydrolase, a unique enzyme involved in RISCs oxidation metabolism in Acidithiobacillus ferrooxidans”
Tadayoshi KANAO

16:10 – 16:30 Coffee-Break

Session 4 - Chairman: Yutaka TAKAGUCHI

16:30 – 16:50

12 – “Metal - graphite composites for electrochemical reactions”
Kazuma GOTOH

16:50 – 17:10

13 – “Plasmonic & catalytic surfaces for enhanced dimerization applications: self assembly of noble metallic nano particles obtained by wet chemistry”
Nobuyuki TAKEYASU

17:10 – 17:30

To be decided

17:30 – 17:50

To be decided

17:50 – 18:00 Closing

18:15 – 20:25 Networking Reception (Venue: Room A-218)

Networking Reception is free to attend. Please register through the following website to attend.



<http://densuke.biz/list?cd=BHRa4vM6LgzPx6Lq>

Organising Committee (in collaboration with the URA division)

- ◇ Research Core for interdisciplinary Sciences - Yuta NISHINA
- ◇ Grad School of Environmental & Life Science - Yutaka TAKAGUCHI, Tadayoshi KANAO
- ◇ Grad School of Natural Science & Technology - Jun KANO, Koichi MITSUDO, Takahiro OHKUBO