

**3rd Bioscience and Biotechnology
International Symposium**

***Innovative Approaches to Biological Systems: Light,
Motion, and Small Molecules***

Date: January 14, 2015

**Venue: Suzukake Hall, Suzukakedai Campus
Tokyo Institute of Technology**

**Jointly organized by
Graduate School of Bioscience and Biotechnology (SBB)
and
Education Academy of Computational Life Sciences (ACLS)
Tokyo Institute of Technology**

Program

3rd Bioscience and Biotechnology International Symposium

January 14, 2015, Suzukake Hall

Symposium (3F Main Hall)

13:00 – 13:05 Welcome address **Mitsuo Sekine** (Tokyo Tech, SBB, Dean)

13:05 – 13:10 Overview **Shinji Masuda** (Tokyo Tech SBB,
Symposium Organization Committee)

Chairperson: **Toshiaki Fukui** (Tokyo Tech, SBB)

13:10 – 14:00 **Klaas J. Hellingwerf** (University of Amsterdam)
Cyanobacterial bio-solar cell factories:
Dissecting control over their rate and level of product formation

14:00 – 14:30 **Hiroyuki Ohta** (Tokyo Tech, SBB)
Lipid remodeling under nutrient starvation in microalgae and higher
plants and its application for oil production

14:30 – 14:50 *Coffee break (20 min)*

Chairperson: **Takeshi Hata** (Tokyo Tech, SBB)

14:50 – 15:30 **Jaebum Choo** (Hanyang University)
Nanoplasmonics-based biosensor:
A new paradigm for early disease diagnosis

15:30 – 16:10 **Hidehiko Nakagawa** (Nagoya City University)
Caged compounds for gaseous mediators, nitric oxide and hydrogen
sulfide, and their biological applications

16:10 – 16:40 **Masaaki Wachi** (Tokyo Tech, SBB)
Treasure hunting: Screening of antibiotics with a new target of action

16:40 – 17:00 *Coffee break (20 min)*

Chairperson: **Takashi Suzuki** (Tokyo Tech, SBB)

17:00 – 17:40 **Masanori Matsuzaki** (National Inst. for Basic Biology)
Two-photon imaging of cortical ensemble dynamics during motor learning

17:40 – 18:20 **Hiroyuki Noji** (The University of Tokyo)
Digital biology

18:20 – 18:30 Closing remarks **Yutaka Akiyama** (Tokyo Tech, ACLS, Director)

18:30 – 18:40 Group photo

Banquet (3F Lounge)

Toshiaki Kamachi, Takashi Suzuki (Tokyo Tech,
SBB, Symposium Organization Committee)

18:45 – 18:50 Opening greeting **Satoshi Nakamura** (Tokyo Tech, SBB)

18:50 – 18:55 Greeting & Toast **Hideya Yuasa** (Tokyo Tech, SBB)

20:30 – 20:35 Closing remarks **Mitsuo Sekine** (Tokyo Tech, SBB, Dean)