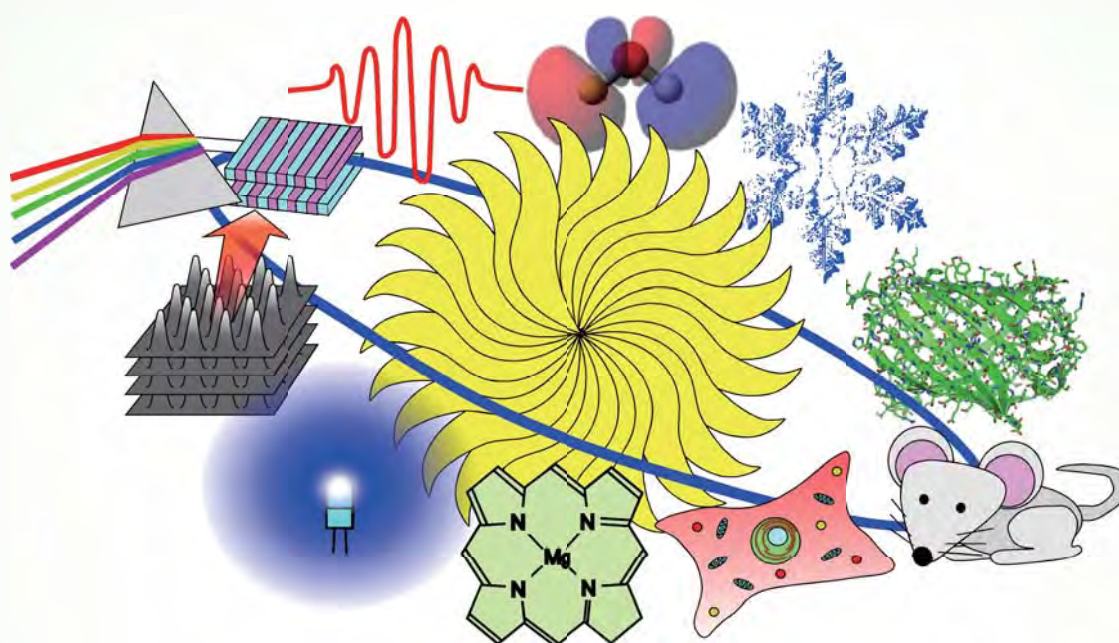


Symposium
of
JST PRESTO Project

Innovative use of light and materials/life



March 6 (Thu.) – 7 (Fri.), 2014

Ichijo Hall

(Yayoi Campus, The University of Tokyo)

<http://www.a.u-tokyo.ac.jp/yayoi/map.html>

Administration Fee : Free

Registration <http://www.jst.go.jp/presto/raisha/2014.html>

Contact TEL : 0743-72-3875 FAX : 0743-71-2011

Organized by Japan Science and Technology Agency

JST PRESTO Project

Innovative use of light and materials/life

March 6 (Thu.)

13:00-13:30 Registration



13:30 Opening Remarks
Research Supervisor

13:40 **Hiroshi Masuhara**



13:40 **Super-resolution microscope based on transfer optics and in-vivo observation of mesoscopic dynamics**

14:05
*National Institute for Materials Science
Photonic Materials Unit*

Masanobu Iwanaga



14:05 **Design and demonstration of a quantum interface composed of a single ion and a single photon**

14:30
*University of Sussex(England)
Department of Physics and Astronomy*

Hiroki Takahashi



14:30 **Spatio-temporal manipulation and imaging of condensed-phase wave functions**

14:55
*Nara Institute of Science and Technology
Graduate School of Materials Science*

Hiroyuki Katsuki

14:55-15:10 Break



15:10 **Functional analysis and application of a photoactivated transcription regulator in diverse algae**

15:35
*Ritsumeikan University
College of Life Sciences*

Fumio Takahashi



15:35 **Molecular and physiological analyses of photosensory proteins responsible for mammalian ultraviolet photoreception**

16:00
*The University of Tokyo
Graduate School of Science*

Daisuke Kojima



16:00 **Single molecule imaging of neurons with photo-functional quantum dots**

16:25
*Kyoto University,
Institute for Integrated Cell-Material Sciences (iCeMS)*

Yasuko Osakada

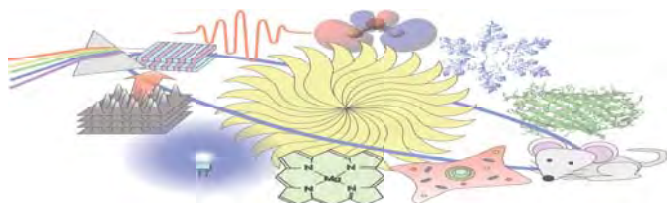


16:25 **Invention of high performance bright luminescent proteins used as a nanolight source**

16:50
*Osaka University
The Institute of Scientific and Industrial Research*

Takeharu Nagai

16:50-17:20 Poster Session



March 7 (Fri.)

9:30-10:00 Registration

10:00-10:10 Opening Remarks



10:10 **Development of CW atom laser and its application to micro-fabrication**

10:35
*The University of Electro-Communications
Graduate School of Informatics and Engineering*

Tetsuo Kishimoto



10:35 **Light propagation control utilizing Magneto-Optical Effect**

11:00
*University of Yamanashi
Graduate School of Medicine and Engineering*

Atsushi Syouji



11:00 **Optical generation and wave control of heat eigenstates**

11:25
*Ritsumeikan University,
College of Science and Engineering,*

Akitoshi Koreeda



11:25 **Ultrafast coherent spin manipulation with femtosecond shaped laser pulses**

11:50
*The University of Tokyo
Institute of Industrial Science*

Takuya Satoh

11:50-13:00 Lunch/Poster Session



13:00 **[INVITED TALK]**

The future of rhodopsin studies

13:40
*Kyoto University,
Graduate School of Science*

Yoshinori Shichida



13:40 **[INVITED TALK]**

Future perspective of plasmonic chemistry

14:20
*Hokkaido University
Research Institute for Electronic Science*

Hiroaki Misawa

14:20-14:35 Break



14:35 **Development of photodecomposable magneto-fluorescent bimodal nanoprobe for imaging and phototherapy of cancer**

15:00
*National Institute of Advanced Industrial Science and Technology
Health Research Institute*

Vasudevan Pillai Biju



15:00 **Chemical donors for two-photon uncaging of gaseous cellular mediators to probe oxidative stress**

15:25
*Nagoya City University
Graduate School of Pharmaceutical Sciences*

Hidehiko Nakagawa



15:25 **In-situ measurement of interfacial photoreaction in atmosphere and living system**

15:50
*Kyoto University
The Hakubi Center*

Shinichi Enami

15:50-16:00 Closing Remarks

16:00-16:30 Poster Session