

OBJECTIVE and AIM

Overview

The nanomedicine molecular science (NMMS) international symposium will be held at the University of Tokyo, on October 8th – 10th.

Nanomedicine Molecular Science

(NMMS) focuses on molecular reactions in the cells, which constitute the living organism and control its biological activities. The cellular environment, however, differs from the chemical reaction environment. The goal of this project is to derive molecular reaction parameters to quantify and examine such reactions.

The studies, therefore, are part of a scientific initiative focusing on cells and have the following main objectives: establishing the theoretical basis of molecular reactions in the cell, and understanding the cellular environment and intracellular chemical reaction mechanisms.

The achievement of these objectives will promote the understanding of and facilitate multidisciplinary discussion about the system that coordinates molecular reactions in individual cells and living organisms.

Chair Kazuhiko ISHIHARA, Ph.D.
Nanomedicine Molecular Science (NMMS)

Organizing Committee

Kazuhiko ISHIHARA (The University of Tokyo)
Nobuhiko YUI (Tokyo Med. and Dent. University)
Hideo HIGUCHI (The University of Tokyo)
Atsushi MARUYAMA (Tokyo Inst. of Tech.)
Norio FUKUDA (The Jikei Univ. School of Med.)

CALL FOR POSTERS (BY September 20th, 2013)

Poster session provides an interactive venue for all the participants to discuss their latest topics on nanomedicine molecular science based on biological science, biophysics, quantitative bioimaging, biomaterial science and any other events related to the symposium theme.

Those who wish to contribute a poster are strongly encouraged to submit their abstracts to the committee (nanomedicine.ibb@tmd.ac.jp) no later than **September 20th, 2013** in order to be included in the abstract book.

Abstract template will be downloaded from following URL address
(<http://www.tmd.ac.jp/nanomedicine/>)

Symposium Keyword

Cellular environment: Includes the cell membrane and intracellular substances and provides a molecular reaction field.
Molecular reaction parameters: Constants for molecular reactions, including reaction rate, activation energy, diffusion, binding, and intermolecular interaction.



2nd circular

International Symposium on Nanomedicine Molecular Science

NMMS 2013

October 8th – 10th, 2013

Sanjyo Conference Hall
The University of Tokyo



Grant-in-Aid for Scientific Research
on Innovative Areas
Research in a proposed area
Science and Engineering

Plenary lecture

Kazunori KATAOKA (The University of Tokyo)
Jöns HILBORN (Uppsala University)

Invited speakers

Hak Soo CHOI (Harvard University)
Jiro NAGATOMI (Clemson University)
Kazunari AKIYOSHI (Kyoto University)
Yoshiki KATAYAMA (Kyushu University)
Hiroyuki NOJI (The University of Tokyo)

From NMMS

Atsushi HARADA (Osaka prefecture University)
Takashi OHTSUKI (Okayama University)
Kohsuke GONDA (Tohoku University)
Naoki TANAKA (Kyoto Institute of Technology)
Kentaro KOGURE (Kyoto Pharmaceutical University)
Hironori UENO (Aichi University of Education)
Takakazu NAKABAYASHI (Hokkaido University)
Norio FUKUDA (The Jikei University School of Medicine)
Atsushi MARUYAMA (Tokyo Institute of Technology)
Hiromu KASHIDA (Nagoya University)
Kohki OKABE (The University of Tokyo)
Madoka SUZUKI (Waseda University)
Kanta TSUMOTO (Mie University)
Daisuke MIYOSHI (Konan University)
Nobuhiko YUI (Tokyo Medical and Dental University)
Eiji NAKATA (Kyoto University)
Jun MIYAKE (Osaka University)
Hiroo IWATA (Kyoto University)
Tadashi NAKAJI-HIRABAYASHI (University of Toyama)
Yasuhiko IWASAKI (Kansai University)
Noritada KAJI (Nagoya University)
Yusuke OGURA (Osaka University)
Hideo HIGUCHI (The University of Tokyo)
Tatsuro GODA (Tokyo Medical and Dental University)

Venue

- Sanjyo Conference Hall, Hongo Campus, The University of Tokyo
7-3-1, Hongo, Bunkyo-ku, Tokyo Japan (Seat capacity 150)
<http://www.sanjo.nc.u-tokyo.ac.jp>



Banquet will be held on October 9th at Hotel Chinzanso Tokyo
(Ito international research center at The University of Tokyo).

(Banquet ticket: ¥6,000)

Attendee will inform to the bureau office with E-mail
(nanomedicine.ibb@tmd.ac.jp) by September 20th.

- Chinzanso Tokyo <http://hotel-chinzanso-tokyo.jp/restaurant/u-tokyo/>
- Ito Inter. Res. Cent. <http://www.u-tokyo.ac.jp/ext01/iirc/en/index.html>

Secretariats

Tomohiro KONNO (The University of Tokyo)
Nobuhiko YUI (Tokyo Medical and Dental University)

Bureau

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