

International Symposium on Biomedical Engineering

Sponsored by Ministry of Education, Culture, Sports, Science and Technology (MEXT)

Date: **November 10-11, 2016**

Invited Speakers

Bruce J. Tromberg, University of California, Irvine
"Biophotonics and the future of personal healthcare"

Carlotta Guiducci, Institute of Bioengineering, EPFL
"Novel lab-on-chip technologies for high-throughput bioanalytics"

David Sampson, The University of Western Australia
"Parametric extensions of optical coherence tomography support enhanced contrast in dense scattering tissues"



Kazunori Kihara, Tokyo Medical and Dental University
"A robotization of surgeon (Robosurgeon): Introduction to urologic surgery"

Tae Hyun Nam, Gyeong Sang National University
"Shape memory and superelastic biomedical devices prepared by Ti-Ni based alloys"

Ugur Ozerdem, Yale University Medical School
"Breast Pathology: Potential parenchymal and stromal targets for novel detection (imaging) methods for neoplastic and non-neoplastic breast lesions"

Venue: Akio Suzuki Memorial Hall, M&D Tower, Tokyo Medical and Dental University

Access: JR line Ochanomizu station,
Subway Marunouchi line Ochanomizu station,
Subway Chiyoda line Shin-Ochanomizu station

東京医科歯科大学
M&D タワー 鈴木章夫記念講堂
(JR・地下鉄 御茶ノ水駅下車徒歩 2 分)

"The Research Center of Biomedical Engineering (RCBE) was established in April, 2016, by support of the Ministry of Education, Culture, Sports, Science and Technology (MEXT). The 1st international symposium on biomedical engineering is organized as a part of the activities in the RCBE. Through the collaborative research in the interdisciplinary field between medicine and engineering, we discuss the global issues on future medicine and healthcare and develop innovative technologies to realize a healthy aging society."

Organizers: Institute of Biomaterials and Bioengineering,
Tokyo Medical and Dental University
Laboratory for Future Interdisciplinary Research
of Science and Technology, Tokyo Institute of
Technologies
Research Institute for Nanodevice and Biosystems,
Hiroshima University
Research Institute of Electronics, Shizuoka University

主催：東京医科歯科大学 生体材料工学研究所／東京工業大学 未来産業技術研究所／広島大学ナノデバイス・バイオ融合科学研究所／静岡大学電子工学研究所

Submission deadline for poster presentation: August 31, 2016

The abstract submission is required for poster presentation. For preparation of the abstract, please visit the following website; <http://www.tmd.ac.jp/ibbc/symposium/>

Registration deadline: September 30, 2016

Registration is free. Please visit the following website for registration. <http://www.tmd.ac.jp/ibbc/symposium/>

ポスター発表申込締切 2016 年 8 月 31 日
参加申込締切 2016 年 9 月 30 日

Networking fee:

JPY6,000 for regular participants, and JPY3,000 for students
The networking fee should be paid on site at the registration desk.
Registration for the networking is required. Please visit the following website for detail.
<http://www.tmd.ac.jp/ibbc/symposium/>

参加費 6,000 円 (学生 3,000 円)



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Program

10th of November (11月10日)

13:00 – 13:10	Opening Remarks
13:10 – 13:30	Introduction of Research Center for Biomedical Engineering
13:30 – 14:50	Session I-1: Biosensing
14:50 – 16:50	Coffee Break and Poster Viewing
15:10 – 15:50	Session II-1: Diagnosis and Treatment
16:50 – 18:20	Poster Session
18:30 – 20:30	Networking

11th of November (11月11日)

10:00 – 12:00	Session II-2: Diagnosis and Treatment
12:00 – 13:30	Lunch
13:30 – 15:10	Session III: Biomaterials
15:10 – 15:30	Coffee Break
15:30 – 16:50	Session I-2: Biosensing
16:50	Closing Remarks

Organizing Committee:

Yuji Miyahara, Tokyo Medical and Dental University
Kohji Mitsubayashi, Tokyo Medical and Dental University
Kenji Kawashima, Tokyo Medical and Dental University
Fumio Koyama, Tokyo Institute of Technology
Hideki Hosoda, Tokyo Institute of Technology
Takamaro Kikkawa, Hiroshima University
Hidenori Mimura, Shizuoka University
Koji Mori, Shizuoka University

Technical Program Committee:

Yuji Miyahara, Tokyo Medical and Dental University
Kohji Mitsubayashi, Tokyo Medical and Dental University
Kenji Kawashima, Tokyo Medical and Dental University
Fumio Koyama, Tokyo Institute of Technology
Hideki Hosoda, Tokyo Institute of Technology
Takamaro Kikkawa, Hiroshima University
Hidenori Mimura, Shizuoka University
Koji Mori, Shizuoka University
Akira Matsumoto, Tokyo Medical and Dental University
Fumimasa Nomura, Tokyo Medical and Dental University
Takahiro Kanno, Tokyo Medical and Dental University
Tatsuro Goda, Tokyo Medical and Dental University
Koji Toma, Tokyo Medical and Dental University

お申し込み・お問い合わせ先

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