

# The 3<sup>rd</sup> International Symposium on Biomedical Engineering

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

November 8-9, 2018

## Invited Speakers

**Doron Shabat**, Tel-Aviv University, Israel

*"The Emergence of Aqueous Chemiluminescence: New Promising Class of Phenoxy 1,2-Dioxetanes"*

**Nora Dempsey**, Institut Néel, France

*"Magnetic Micro-Structures for Biomedical Engineering and Life Science Applications"*

**Declan O'Loughlin**, National University of Ireland, Galway

*"Translational Medical Device Research"*

**Michael J. Schoening**, Aachen University of Applied Sciences, Jülich, Germany

*"Field-Effect Biosensing - Selected Examples"*

## Academic-Industrial Collaboration Session

**Sadato Hongo**, TOSHIBA CORPORATION

*"A New Approach to Virus Detection Using Nanopore Technologies"*

**Tomonori Tsukiya**, National Cerebral and Cardiovascular Center Research Institute

*"Development and Preclinical Evaluation of Ventricular Assist Devices - Strategies for Regulatory Approval -"*

**Toshifumi Imamura**, A-R-Tec Corporation

*"CMOS-LSI for Breast Cancer Detection"*

**Yasushi Nakano**, KONICA MINOLTA, INC.

*"Quantitative Diagnostic Imaging of Cancer Tissues by Using Phosphor Integrated Dots(PID) with Ultra-High Brightness"*

## お申し込み・お問い合わせ先

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**Venue:** Satake Memorial Hall, Hiroshima University  
(Higashihiroshima Campus, Hiroshima, Japan)

**Access:** JR Sanyo Main Line Saijo station, Bus 15 min

**広島大学 東広島キャンパス**

**サタケメモリアルホール** (JR山陽本線西条駅バス15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 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

併催：広島大学ナノデバイス・バイオ融合科学研究所

共催：広島大学

後援：広島大学大学院先端物質科学研究科

広島大学 産学・地域連携センター

**Submission deadline for poster presentation: Sept. 25, 2018**

The abstract submission is required for poster presentation.

**Registration deadline: Oct. 25, 2018**

Registration is free. Pre-registration is preferable.

**ポスター発表申込締切**

**2018年 9月25日 (火)**

**参加申込締切**

**2018年10月25日 (木)**

## Networking fee:

JPY5,000 for regular participants, and JPY2,000 for students.  
The networking fee should be paid on site at the registration desk. Registration for the networking is required.

懇談会参加費：5,000円 (学生 2,000円)



**Web Site: <http://www.RNBS.hiroshima-u.ac.jp/ISBE2018/>**

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## Program

### November 8 (11月8日)

13:00~13:10	Opening Remarks
13:10~13:20	Introduction of Research Center for Biomedical Engineering
13:20~14:45	Session A
14:45~16:15	Poster Session 1 & Coffee Break
16:25~18:05	Academic-Industrial Collaboration Session
18:15~20:00	Networking

### November 9 (11月9日)

10:00~11:25	Session B
11:25~13:15	Poster Session 2 & Lunch
13:25~14:50	Session C
14:50~15:10	Coffee Break
15:10~16:35	Session D
16:35~16:50	Closing Remarks (Award Ceremony)

### Organizing Committee:

Yuji Miyahara, Tokyo Medical and Dental University  
 Kohji Mitsubayashi, Tokyo Medical and Dental University  
 Kenji Kawashima, Tokyo Medical and Dental University  
 Takeshi Hatsuzawa, Tokyo Institute of Technology  
 Hideki Hosoda, Tokyo Institute of Technology  
 Shin Yokoyama, Hiroshima University  
 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  
 Takeshi Hatsuzawa, Tokyo Institute of Technology  
 Hideki Hosoda, Tokyo Institute of Technology  
 Shin Yokoyama, Hiroshima University  
 Hidenori Mimura, Shizuoka University  
 Koji Mori, Shizuoka University  
 Takamaro Kikkawa, Hiroshima University  
 Masakazu Iwasaka, Hiroshima University  
 Anri Nakajima, Hiroshima University  
 Tetsushi Koide, Hiroshima University  
 Shin-ichiro Kuroki, Hiroshima University  
 Tetsuo Tabei, Hiroshima University  
 Yoshiteru Amemiya, Hiroshima University  
 Tomomi Ishikawa, Hiroshima University

