The 3rd 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, Jüllich, Germany
“Field-Effect Biosensing - Selected Examples”

Academic-Industrial Collaboration Session

Sadato Hongo, TOSHIBA CORPORATION
“A New Approach to Virus Detection Using Nanopore Technologies”

Tomonori Tsukita, 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”

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

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Web Site: http://www.RNBS.hiroshima-u.ac.jp/ISBE2018/
### The 3rd International Symposium on Biomedical Engineering

#### Program

**November 8 (11月8日)**

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<td>13:10~13:20</td>
<td>Introduction of Research Center for Biomedical Engineering</td>
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<td>13:20~14:45</td>
<td>Session A</td>
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<td>14:45~16:15</td>
<td>Poster Session 1 &amp; Coffee Break</td>
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<td>16:25~18:05</td>
<td>Academic-Industrial Collaboration Session</td>
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<td>Networking</td>
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### Organizing Committee:

- Yuji Miyahara, Tokyo Medical and Dental University
- Kohji Mitsubayashi, Tokyo Medical and Dental University
- Kenji Kawashima, Tokyo Medical and Dental University
- Takeshi Hatusawa, 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

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- Takeshi Hatusawa, Tokyo Institute of Technology
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- Shin Yokoyama, Hiroshima University
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- Koji Mori, Shizuoka University
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- Tetsuo Tabei, Hiroshima University
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- Tomomi Ishikawa, Hiroshima University