

Program

Day 1, December 3

11:30~ Check-in/Registration at Reception Desk

Opening Session

Chair: Masakazu Kimura, Shizuoka University

12:40~12:45 **Opening Remarks:** Kazuyuki Hizume, President, Shizuoka University

12:45~12:50 **Greeting:** Koji Yanagisawa, Director - University Research Facilitation
Division, Research Promotion Bureau, MEXT

12:50~13:00 **Introduction of Research Center for Biomedical Engineering:**
Hiroyuki Kagechika, Director of Laboratory for Biomaterials and
Bioengineering, Institute of Science Tokyo

Session A

Chair: Yoshikazu Nakajima, LBB, Institute of Science Tokyo

13:00~13:30 Masamitsu Kanada, Michigan State University, USA
“Elucidating the Intricate Mechanisms Underlying Extracellular Vesicle-Mediated
Macromolecular Transfer in Intercellular Signaling”

13:30~14:00 Daisuke Ishikawa, Institute of Science Tokyo
“Structural DNA Nanotechnology-based Material Devices”

14:00~14:30 Misato Shimizu, Institute of Science Tokyo
“Assessment of mandibular landmark specification: correspondence between two-
dimensional radiography and three-dimensional computed tomography”

14:30~15:00 **Photo Session**

15:00~16:30 **Poster Session 1 & Coffee Break**

15:00~16:00 Poster Session 1

Session B

Chair: Masato Sone, FIRST, Institute of Science Tokyo

16:30~17:00 Chi-Hua Yu, National Cheng Kung University
“Deep Generative Approach for Protein Design”

17:00~17:30 Yusuke Kanno, Institute of Science Tokyo
“Electrochemical Biosensing Based on Advanced Systems and Materials”

17:30~18:00 Yuta Kurashina, Tokyo University of Agriculture and Technology
“Study of drug delivery system using powerful ultrasonic actuators”

Networking

Chair: Masanori Koshimizu, Shizuoka University

18:30~20:00 @Act City Hamamatsu Congress Center Room 43 & 44

Day 2, December 4

8:30~ Check-in/Registration at Reception Desk

Session C

Chair: Shin-Ichiro Kuroki, Hiroshima University

9:00~ 9:30 Lia Aprilia, National Research and Innovation Agency (BRIN)
“Microcantilever sensor: fabrication and chemical sensor application”

9:30~10:00 Mao Sifeng, Tokyo Metropolitan University
“Microchemical Pen: Microfluidic approach for biological applications”

10:00~10:30 Yoriko Tominaga, Hiroshima University
“Synthesis of compound semiconductors using microorganisms”

10:30~13:30 Poster Session 2 & 3 + Lunch Break

10:45~11:45 Poster Session 2

11:55~12:55 Poster Session 3

Session D

Chair: Wataru Inami, Shizuoka University

13:30~14:00 Yuan Luo, National Taiwan University
“Advanced Optical Systems through Flat Optics for Biomedical Applications”

14:00~14:30 Hiroki Kase, Shizuoka University
“Mixed Reality Integration for Real-Time 3D DICOM Viewer in Medical Procedures”

14:30~15:00 Toshitaka Yamakawa, Quadlytics Inc.
“Physiological measurements using wearable devices and their clinical and healthcare applications”

Closing Session

Chair: Masanori Koshimizu, Shizuoka University

15:00~15:15 Award Ceremony

Closing Remarks: Akinobu Teramoto, Director of Research Institute for
Semiconductor and Engineering, Hiroshima University