

Conference Schedule

2024 8th International Conference on Biomedical Engineering
and Applications (ICBEA 2024)

March 18-21, 2024 | Tokyo, Japan

Liberty Tower, Surugadai Campus, Meiji University

Organized By



Supported By



<http://www.icbea.org>

Conference Venue

Liberty Tower, Surugadai Campus, Meiji University, Tokyo, Japan

Website: <http://www.meiji.ac.jp/cip/english/about/campus/surugadai.html>

Address: 1-1 Kanda-Surugadai, Chiyoda-ku, Tokyo 101-8301

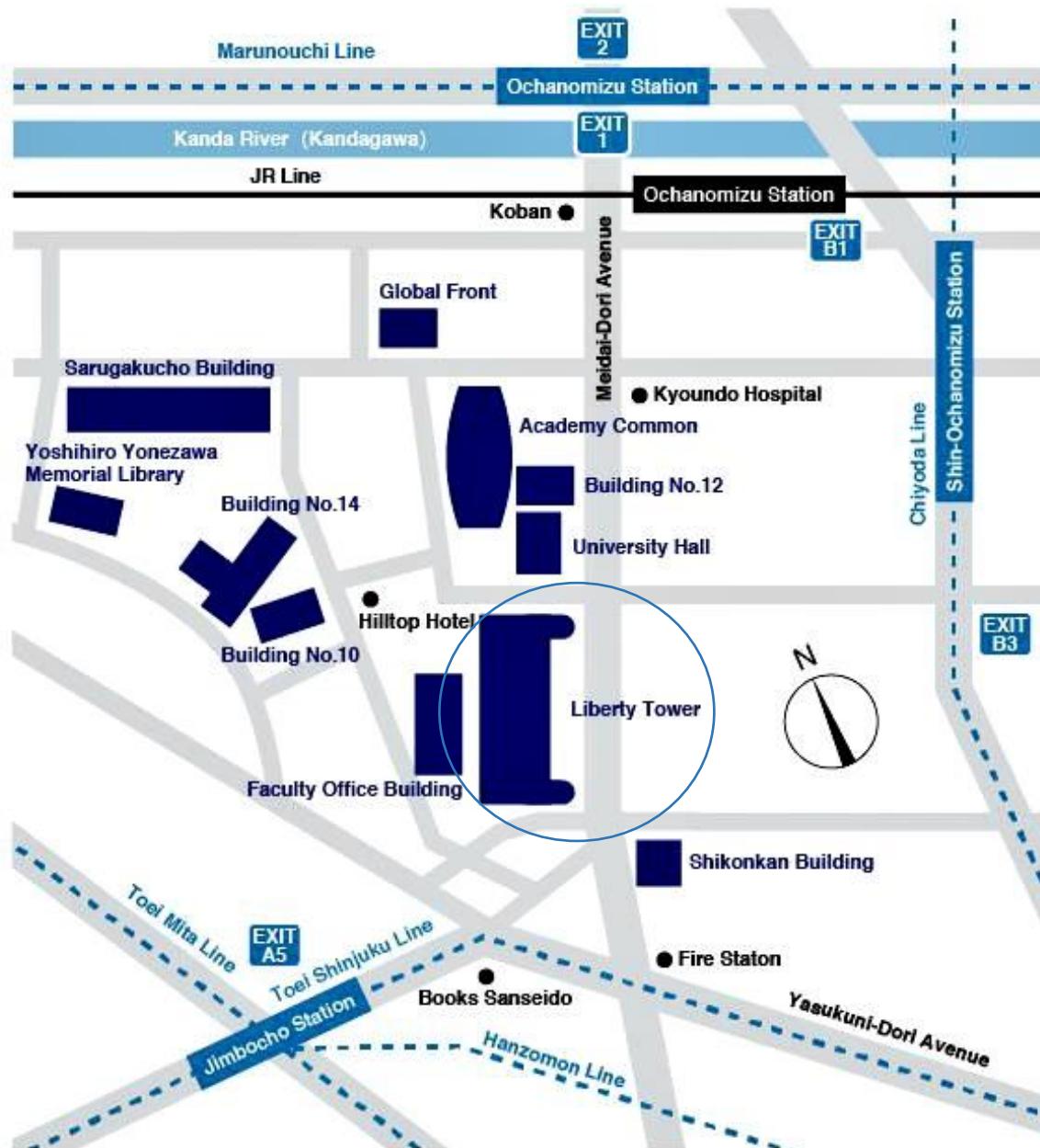


Surugadai Campus is the traditional home to Meiji University. The campus is located in the Kanda Surugadai area which, while retaining a strong atmosphere of a students' town, is located in proximity to Kasumigaseki, Otemachi, and other areas that are home to companies and government ministries and agencies that are pivotal to Japan's politics and economy. The campus houses various educational and research facilities centering around the Liberty Tower, which has become a landmark, and the Academy Common. In January 2013, the Global Front was completed, where liberal arts graduate schools, research facilities, Organization for the Strategic Coordination of Research and Intellectual Properties, and Organization for International Collaboration are gathered under the concept of "a state-of-the-art research cultivation hub that transmits to the world."

Hotel Recommendation

- Sotetsu Fresa Inn Ochanomizu-Jimbocho
<https://sotetsu-hotels.com/fresa-inn/jimbocho/>
- APA Hotel Kanda Jimbocho Eki Higashi No.228
<https://www.apahotel.com/hotel/syutoken/tokyo/kanda-jimbocho-ekihigashi/>
- Dormy Inn Akihabara
<https://dormy-hotels.com/dormyinn/hotels/akihabara/>

Note: The registration fee does not cover the accommodation. It is suggested that you should do an early reservation because of peak season. The organizing group won't book hotels for participants. Please do not share your personal credit card information with unrelated persons.



Direction:

- 3 minutes on foot from JR Chuo/Sobu Line and Subway Marunouchi Line, Ochanomizu Station
- 5 minutes on foot from Subway Chiyoda Line, Shin-Ochanomizu Station
- 5 minutes on foot from Subway Mita, Shinjuku, and Hanzomon Lines, Jimbocho Station

URL: http://www.meiji.ac.jp/koho/campus_guide/suruga/access.html

Agenda Overview

Day 1, March 18, 2024, Monday (GMT+9)

Arrival Registration & Online Test		
Duration	Event	
10:00-17:00	Arrival Registration & Conference Material Collection	Venue: Room 1081 (8F)
Note: the arrival registration can be done on Mar. 19, 2024 & Mar. 20, 2024.		
	Online Test	
10:00-11:00	Online Session 1 MT0041, MT0051, MT2098, MT0054, MT2107 MT2110, MT0025, MT2015, MT2105	
11:00-12:00	Online Session 2 MT2083, MT2104, MT2008, MT2052-A, MT0024 MT2088, MT0031, MT2108, MT0049, MT0055	

Day 2, March 19, 2024, Tuesday (GMT+9)

Duration	Event	Venue
09:30-09:40	Opening Remarks Prof. Hiroyuki Kudo, Meiji University, Japan Prof. Ming Chen, Zhejiang University, China Prof. Jun Ohta, Nara Institute of Science and Technology, Japan	Room 1083 (8F)
09:40-10:20	Keynote Speaker I Chair Prof. Yu Huang, City University of Hong Kong, Hong Kong Speech Title: "Hemodynamic Regulation and Vascular Homeostasis"	
10:20-10:45	Group Photo & Coffee Break	
10:45-11:25	Keynote Speaker II Chair Prof. Ying Xu, Southern University of Science and Technology, China Speech Title: "Studies of Disease Biology Need New Theoretical Frameworks"	Room 1083 (8F)
11:25-12:05	Keynote Speaker III Prof. Yasubumi Sakakibara, Keio University, Japan Speech Title: "Deep Generative Model for Constructing Chemical Latent Space to Design and Discover Novel Drug Structures"	
12:10-13:10	Lunch---Venue: Liberty Tower-Restaurant (17F)	

Day 2, March 19, 2024, Tuesday (GMT+9)

Duration	Venue: Room 1087 (8F)	Venue: Room 1088 (8F)
13:10-13:35	<p>Invited Speaker I Assoc. Prof. Shiyang Ma, Shanghai Jiao Tong University School of Medicine, China Speech Title: "Fine-Mapping Gene-Based Associations via Knockoff Analysis of Biobank-Scale Data"</p>	<p>Invited Speaker II Assoc. Prof. Ming Huang, Nagoya City University, Japan Speech Title: "Unlocking Sleep's Secrets: Transforming Sleep Stage Classification with Deep Learning"</p>
13:35-15:35	<p>Oral Session 1- Biomedical Materials and Non-invasive Detection MT2048-A, MT3002-A, MT2045-A, MT2034 MT2080-A, MT3003-A, MT2081-A, MT2053</p>	<p>Oral Session 2- Modeling and Analysis of Biomechanics MT2054-A, MT2035, MT2070, MT2007 MT2055-A, MT2017, MT2056-A, MT2068</p>
15:35-15:50	Coffee Break-Venue: Room 1089 (8F)	
15:50-16:15	<p>Invited Speaker III Dr. Weimin Zhou, Shanghai Jiao Tong University, China Speech Title: "Generative AI for Objective Assessment of Medical Imaging Systems"</p>	<p>Invited Speaker IV Assoc. Prof. Daniele Takahashi, Bahia Federal University, Brazil Speech Title: "In Silico Molecular Docking of Agathisflavone Isolated from Brazilian Flora Plants: A Possible Inhibitor for Kinesin Eg5"</p>
16:15-18:30	<p>Oral Session 3- Biomedical Imaging and Medical Image Processing MT2030, MT1001-A, MT0020-A, MT0038 MT0030, MT2057, MT2076, MT2106</p>	<p>Oral Session 4- Computational Models for Biomedical Data Processing and Medical Informatics MT0017, MT0039, MT0043, MT0046-A, MT2066, MT0005, MT0008-A</p>
18:30-20:00	Dinner---Venue: Room C5 at Global Front (17F)	


Poster Session Venue: Room 1089 (8F)		
15:00-17:00	<p>Poster Session 1-Biomedical Data Processing and Disease Diagnosis MT1006, MT0045, MT2004-A, MT2038, MT2047-A MT2096-A, MT2049-A, MT0029-A, MT2072</p>	<p>Poster Session 2- Bioinformatics and Multi-Omics MT0004-A, MT0034-A, MT0037, MT2002-A MT0010, MT2090, MT2036, MT2065</p>

Day 3, March 20, 2024, Wednesday (GMT+9)

Duration	Event	Venue
09:30-10:10	Keynote Speaker IV Prof. Tuan D. Pham, Queen Mary University of London, UK Speech Title: "Mandibles, Forensics, Tooth Loss, and Cardiovascular Disease: An AI Perspective"	Room 1083 (8F)
10:10-10:50	Keynote Speaker V Prof. Mohamad Sawan, Westlake University, China Speech Title: "Closed-loop Neuromorphic Neuromodulation to Manage Brain Diseases"	
10:50-11:15	Group Photo & Coffee Break	
11:15-11:40	Invited Speaker V Prof. Xinghua Lu, University of Pittsburgh, USA Speech Title: "From Big Data to Bedside (DB2B): The Role of Artificial Intelligence in Precision Oncology"	Room 1083 (8F)
11:40-12:05	Invited Speaker VI Prof. Zhifu Sun, Mayo Clinic, USA Speech Title: "Non-invasive Early Cancer Diagnosis Biomarkers – Find a Needle in a Haystack with Different Lens"	
12:05-12:30	Invited Speaker VII Dr. Min Zhao, University of the Sunshine Coast, Australia Speech Title: "TICCI: A Novel Bioinformatics Tool for Trajectory Inference with Cell-Cell Interaction at Single Cell Level"	
12:30-13:30	Lunch---Venue: Room 1089 (8F)	

Duration	Venue: Room 1087 (8F)	Venue: Room 1088 (8F)
13:30-13:55	Invited Speaker VIII Assoc. Prof. Lv Meng, Beijing Institute of Technology, China Speech Title: "The Application and Challenges of Hyperspectral Imaging Technology in Clinical Auxiliary Diagnosis"	Invited Speaker IX Assoc. Prof. Lee Poh Foong, Universiti Tunku Abdul Rahman, Malaysia Speech Title: "Enhanced Conflict Monitoring via a Short-Duration, Video-Assisted Deep Breathing in Healthy Young Adults: An Event-Related Potential Approach Through the Go/NoGo Paradigm"
13:55-15:40	Oral Session 5- Biomedical Electronics and Biosensors MT2082, MT2040-A, MT2005 MT2091-A, MT2084, MT2095-A, MT2111	Oral Session 6- Bioinformatics and Biological Sequence Analysis MT0026-A, MT0013, MT0040 MT0050, MT2078, MT0053, MT0048-A
15:40-15:55	Coffee Break--Venue: Room 1089 (8F)	
15:55-17:25	Oral Session 7- Biomedical Signal Analysis and Processing MT0007, MT0033, MT2041 MT2100, MT2012, MT2101	Oral Session 8- Protein-Protein Interaction and Molecular Biology MT0003-A, MT2050-A, MT0011-A MT0006-A, MT0023-A, MT0056

Day 3, March 20, 2024, Wednesday (GMT+9)

 Online Session	
13:30-15:45	Online Session 1- Bioinformatics and Biomedical Image Processing MT0041, MT0051, MT2098, MT0054, MT2107, MT2110, MT0025, MT2015, MT2105
15:45-15:55	Break
15:55-18:25	Online Session 2- Biomedical Materials, Biochemistry and Biomedical Informatics MT2083, MT2104, MT2008, MT2052-A, MT0024, MT2088, MT0031, MT2108, MT0049, MT0055

Tips:

Please arrive at the Conference Room or log in the ZOOM Room 15 minutes ahead of the session. The duration for Keynote Speech: about 35 minutes of presentation and 5 minutes of Q&A. The duration for Invited Speech: about 20 minutes of presentation and 5 minutes of Q&A. The duration for Regular Presentation: about 12 minutes of presentation and 3 minutes of Q&A.