

The 65th Annual Conference of Japanese Society for Medical and Biological Engineering
Rising Asia : List of Oral Presentations

Registration Number	Presentation Number	Category	Title	Presentation Date
1	RA1-1	Rising Asia1	A Basic Study on a Gain-Variable PID-FES Controller for Wrist Angle: Verification Under Different Forearm Conditions and Target Trajectories	June 5, 2026 (Fri.)
3	RA1-2	Rising Asia1	3D Multiparametric Ultrasound Imaging for Diagnosis and Monitoring of Steatotic Liver Disease	June 5, 2026 (Fri.)
9	RA1-3	Rising Asia1	Deep Learning Pipeline for Label-Free Photoacoustic Cytopathology: Virtual Staining, Super-Resolution, and Adequacy Assessment	June 5, 2026 (Fri.)
10	RA1-4	Rising Asia1	Wavelet-Fourier Spectral Fusion for High-Fidelity Plane-Wave Ultrasound Reconstruction from RF Signals	June 5, 2026 (Fri.)
12	RA1-5	Rising Asia1	An In Vivo Animal Model of Pulmonary Artery Banding Mimicking Stenosis for Preclinical Evaluation of Pediatric Pulmonary Artery	June 5, 2026 (Fri.)
13	RA1-6	Rising Asia1	Noise-resilient entropy imaging for intraoperative monitoring of cardiac radiofrequency ablation with ultrafast intracardiac echocardiography	June 5, 2026 (Fri.)
16	RA1-7	Rising Asia1	A Novel Transapical Direct Puncture Cannula with an Axial Blood Pump for Cardiac Arrest	June 5, 2026 (Fri.)
17	RA1-8	Rising Asia1	Fluid Dynamics and Hemolysis Evaluation of a Left Ventricular Direct Puncture Centrifugal Blood Pump.	June 5, 2026 (Fri.)
19	RA1-9	Rising Asia1	Enhancing Titanium Implants with a Bioactive Antibacterial Coating	June 5, 2026 (Fri.)
178	RA1-10	Rising Asia1	Simulation Analysis for Evaluating the Layer Discrimination Capability of Red Dichromatic Imaging in Endoscopic Submucosal Dissection	June 5, 2026 (Fri.)
4	RA2-1	Rising Asia2	Reducing Unnecessary Thyroid FNA with Dual-Modal Photoacoustic-Ultrasound Imaging	June 5, 2026 (Fri.)
5	RA2-2	Rising Asia2	Mid-Infrared Dichroism-Sensitive Photoacoustic Microscopy for Quantitative Fibrous Tissue Assessment	June 5, 2026 (Fri.)
6	RA2-3	Rising Asia2	A Handheld Photoacoustic Probe for Rapid Imaging of Human Skin Microvasculature	June 5, 2026 (Fri.)
7	RA2-4	Rising Asia2	Rapid Handheld OR-PAM Enabled by Coaxial Integration of a Fiber Scanner and Transparent Transducer	June 5, 2026 (Fri.)
8	RA2-5	Rising Asia2	HD-PACT: Cost-effective 3D Multiparametric Photoacoustic Computed Tomography with Hybrid Diffusion Model	June 5, 2026 (Fri.)
11	RA2-6	Rising Asia2	Photoacoustic imaging for non-invasive analysis of skin hypopigmentation	June 5, 2026 (Fri.)
14	RA2-7	Rising Asia2	Large Field-of-view 3D Photoacoustic and Ultrasound Imaging System: System development and Translational Clinical Applications	June 5, 2026 (Fri.)
15	RA2-8	Rising Asia2	Non-invasive Monitoring of Cerebrospinal Fluid Dynamics by Photoacoustic Computed Tomography	June 5, 2026 (Fri.)
371	RA2-9	Rising Asia2	Fundamental study on thermal strain-based temperature monitoring in high-intensity focused ultrasound treatment	June 5, 2026 (Fri.)
370	RA2-10	Rising Asia2	Experimental Study on Thermal Coagulation Regions Induced by 3D Focal Scanning in Bubble-Enhanced Ultrasound Therapy	June 5, 2026 (Fri.)
46	RA2-11	Rising Asia2	Study of Depth Effect on Evaluation of Steatotic Liver Disease Using Photoacoustic Imaging	June 5, 2026 (Fri.)
345	RA2-12	Rising Asia2	A high-speed three-dimensional ultrasound imaging system for whole-brain blood flow dynamics in a mouse stroke-reperfusion model.	June 5, 2026 (Fri.)