ICBME 2026 - Program Overview

Venue	LT7A	Engineering Auditorium	EA-02-11	EA-06-02	EA-06-03	EA-06-04	EA-06-05	Others
Capacity	**380**	**250**	**90**	**80**	**80**	**60**	**60**	
Sunday, 6 December 2026								
08:00 - 18:00	**Registration**							
09:00 - 09:15	**Opening Ceremony**							
09:15 - 10:00	**Distinguished Lecture: Microrobots Go In Vivo: From Test Tubes to Live Animals** Joseph Wang, SAIC Endowed Chair and Distinguished Professor, University of California San Diego							
10:00 - 10:45	**Plenary Lecture 1: What do Medical Professionals and Patients Need in 2030?** Joseph Sung, Nanyang Technological University							
10:45 - 11:00	**Coffee Break @** *EA Level 1 Foyer and Level 6 Corridor*							
11:00 - 12:30	RT9: Policy, Entrepreneurship, Training & Society	RT3: Therapeutics, Biomaterials & Regenerative Medicine	RT1: Micro-to-Macroscale Biomedical Technologies	RT5: Human Performance, Biomechanics & Wearable Technologies	RT2: Biomedical Imaging, Sensing and Neuroengineering	RT4: Mechanobiology	RT6: Robotics, Devices & Assistive Technologies	
12:30 - 13:30	**Lunch** *EA Level 1 Foyer*							**Poster Session 1** *EA Level 1 Foyer*
13:30 - 14:15	**Plenary Lecture 2: Electronic Skins for Continuous Health Monitoring** Takao Someya, The University of Tokyo							
14:15 - 15:45	RT2: Biomedical Imaging, Sensing and Neuroengineering	RT3: Therapeutics, Biomaterials & Regenerative Medicine	RT1: Micro-to-Macroscale Biomedical Technologies	RT5: Human Performance, Biomechanics & Wearable Technologies	RT7: Digital Health, AI, Data & Immersive Technologies	RT4: Mechanobiology	SS07: Robotics in the Gut	
15:45 - 16:00	**Coffee Break @** EA Level 1 Foyer and Level 6 Corridor							
16:00 - 17:30	RT2: Biomedical Imaging, Sensing and Neuroengineering	RT3: Therapeutics, Biomaterials & Regenerative Medicine	SS01: Extracellular Vesicles: Advancing Diagnosis and Therapeutics Frontiers	RT5: Human Performance, Biomechanics & Wearable Technologies	SS10: Non-invasive Optical Diagnostics Technology	SS13: Lab-on-a-chip Analytical Methods for Cell Characterization		
17:30 - 18:00	**IEEE Cancer and Immuno Engineering Initiative** Metin Akay, John S Dunn Endowed Chair Professor, University of Houston							
18:00 - 20:00	**Welcome Reception** *NUS College of Design and Engineering, Blk EA, Level 1 Foyer*							
Monday, 7 December 2026								
08:00 - 16:00	**Registration**							
08:30 - 08:50	**Launch of the Biomedical Engineering Regional Engagement Chapter (BEREC), BES** Guest of Honour: Dr Hamid Razak (Member of Parliament, West Coast-Jurong West GRC)							
08:50 - 09:20	**Plenary Lecture 3: X Things We Need to Know About AI in Global Health** Mengji Chen, WHO Regional Office for the Western Pacific							
09:20 - 10:50	Global Health Track 1: Advancing Equity through Health AI	RT3: Therapeutics, Biomaterials & Regenerative Medicine	Serendipity Symposium	RT5: Human Performance, Biomechanics & Wearable Technologies	RT2: Biomedical Imaging, Sensing and Neuroengineering	RT4: Mechanobiology	RT6: Robotics, Devices & Assistive Technologies	
10:45 - 11:00	**Coffee Break @** EA Level 1 Foyer and Level 6 Corridor							
11:00 - 12:30	RT8: Health Systems, Sustainability & Global Health	RT3: Therapeutics, Biomaterials & Regenerative Medicine	Serendipity Symposium	RT5: Human Performance, Biomechanics & Wearable Technologies	RT2: Biomedical Imaging, Sensing and Neuroengineering	SS05: Bioinspired and Biomimetic Materials – Design, Assembly and Multifunctionality	SS11: Next-Generation Biomedical Optics for Structural and Dynamic Imaging	
12:30 - 13:30	Editors Panel	**Lunch** *EA Level 1 Foyer*						**Poster Session 2** *EA Level 1 Foyer*
13:30 - 14:15	**Plenary Lecture 4: Body-Interfaced Biosensors** Wei Gao, California Institute of Technology							
14:15 - 15:45	Global Health Track 2: Point-of-Need Biomedical Engineering: Bridging the Access Gap from Bhutan to Ethiopia	RT3: Therapeutics, Biomaterials & Regenerative Medicine	Serendipity Symposium	RT5: Human Performance, Biomechanics & Wearable Technologies	RT7: Digital Health, AI, Data & Immersive Technologies	SS15: Immuno-engineering with Biomaterials	SS06: Digital Twin for Personalized Healthcare	
15:45 - 16:00	**Coffee Break @** EA Level 1 Foyer and Level 6 Corridor							
16:00 - 17:30	Early Career Panel	Clinical Track	Serendipity Symposium	RT5: Human Performance, Biomechanics & Wearable Technologies	SS17: Application-Driven Design of Microfluidic Devices			
Tuesday, 8 December 2026								
08:30 - 13:30	**Registration**							
08:30 - 09:15	**Plenary Lecture 5: Programming Biological Function through Materials Engineering** Hai-Quan Mao, Johns Hopkins University							
09:15 - 10:45	APBEC Symposium	RT3: Therapeutics, Biomaterials & Regenerative Medicine	RT1: Micro-to-Macroscale Biomedical Technologies	RT5: Human Performance, Biomechanics & Wearable Technologies	RT2: Biomedical Imaging, Sensing and Neuroengineering	RT4: Mechanobiology	RT6: Robotics, Devices & Assistive Technologies	
10:45 - 11:00	**Coffee Break @** EA Level 1 Foyer and Level 6 Corridor							
11:00 - 12:30	Young Investigators Award	RT3: Therapeutics, Biomaterials & Regenerative Medicine	SS04: Emerging Technologies for Extracellular Vesicle Research	RT5: Human Performance, Biomechanics & Wearable Technologies	RT2: Biomedical Imaging, Sensing and Neuroengineering	RT4: Mechanobiology	RT6: Robotics, Devices & Assistive Technologies	
12:30 - 13:30	**Lunch** *EA Level 1 Foyer*							**Women (+) in BME Lunch / Poster Session 3** *EA Level 1 Foyer*
13:30 - 14:15	**Plenary Lecture 6: From Nature to Soft Robotics, and Back to Biology and Medicine** Cecilia Laschi, NUS							
14:15 - 15:45		Nokia-ARPA Student AgeWell Healthtech Challenge	SS02: Emerging Technologies in Osteoarthritis Research	RT5: Human Performance, Biomechanics & Wearable Technologies	RT7: Digital Health, AI, Data & Immersive Technologies	SS03: Microfluidic Technology for Cell Manipulation and Analysis	SS08: Advances in Skin Tissue Engineering and Wound Healing	
15:45 - 16:00	**Coffee Break @** EA Level 1 Foyer and Level 6 Corridor							
16:00 - 17:30	BME Rising Stars		RT1: Micro-to-Macroscale Biomedical Technologies	RT5: Human Performance, Biomechanics & Wearable Technologies	RT7: Digital Health, AI, Data & Immersive Technologies	SS12: Mechanobiology-Guided Tissue Engineering	SS09: Soft Materials for Regenerative Medicine	
18:30 - 22:00	**Gala Dinner**							
Wednesday, 9 December 2026								
08:30 - 09:15	**Plenary Lecture 7: Mechanobiology of Tissue Growth and Disease** Viola Vogel, ETH Zurich							
09:15 - 10:45		RT3: Therapeutics, Biomaterials & Regenerative Medicine	RT1: Micro-to-Macroscale Biomedical Technologies	RT5: Human Performance, Biomechanics & Wearable Technologies	RT7: Digital Health, AI, Data & Immersive Technologies	SS19: 3D Printing for Biomedical Engineering and Healthcare		
10:45 - 11:00	**Coffee Break**							
11:00 - 11:45	**Plenary Lecture 8: AI in Medicine: Current State-of-the-Art and Challenges** Tien Yin Wong, Tsinghua University							
11:45 - 12:00	**Awards and Closing Ceremony**							

Program subject to change without prior notice