5th International Bio/Medical Interface Symposium 2024

IBMI 2024

March 9-10th, 2024
Taipei Medical University, Taipei, Taiwan R.O.C.

Hosted by
Taipei Medical University (TMU)

Cooperated by
Tokyo University of Science (TUS), Taipei Medical University (TMU)
National Yang Ming Chiao Tung University (NYCU) and University of the Ryukyus (U. Ryukyus),

Organizing Chair: Kohei SOGA(TUS)
Organizing Co-Chairs:
Tsungrong KUO (TMU), Bing-Shiang YANG (NYCU), Hidehiro KISHIMOTO (U. Ryukyus)
Symposium Web Site: https://ksoga.com/ibmi

Local Chair and Co-Chair
Prof. Jen-Chang YANG (TMU)
Prof. Tsung-Rong KUO

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- National Chiao Tung University (NCTU)
*Prof. Bing-Shiang YANG (Device and Robotics)
(NCTU/ITRI)

SCHEDULE

Schedule	
Sat. Mar 9th	
9:00	Registration
9:20	Opening Remarks
9:30-11:30	Session A. Materials
13:30-15:30	Session B. Device and Robotics
15:45-17:45	Session C. Pharmaceutics
Sun. March 10th	
9:30-11:30	Session D. Medicals
11:30	Closing Remarks

PROGRAM

Session A Materials (9:30-11:30, Sat. Mar 9th)

Chairs: Porf. Akihiko KIKUCHI (TUS), Prof. Jen-Chang YANG (TMU)

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A1 9:30	Prof. Jen-Chang YANG "The biocompatibility and hemostatic efficacy of silk fibroin nanofibrils fabricated by shear-Induced phase separation process"	*TMU*	2
A2 9:50	Prof. Yi-Ping CHEN "Mesoporous Silica Nanomedicine:Targeting Tumor Metastasis and Angiogenesis"	*TMU*	3
A3 10:10	Prof. Chih-hsin LIN "A machine learning liver-on-a-chip system for safer drug formulation"	*TMU*	5
A4 10:30	Porf. Akihiko KIKUCHI "Thermo-sensitive particles as biomaterials"	*TUS*	9
A5 10:50	Prof. Shuuhei KOMATSU "Organic-inorganic capsules based on liquid-liquid phase separation for treatment of bone defects"	*TUS*	11
A6 11:10	Prof. Masao KAMIMURA "Stimuli-Responsive Polymer Nanomaterials Based Cell Manipulation"	*TUS*	13

Session B. Device and Robotics (13:30-15:30, Sat. Mar 9th)

Chairs: Prof. Hiroshi TAKEMURA (TUS), Prof. Bing-Shiang YANG (NYCU/ITRI), Prof. Yu-Jui FAN (TMU)

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B1 13:30	Dr. Curtis KUAN "The Development of Precision Medical Robot System"	*ITRI*	16
B2 13:50	Prof. Bing-Shiang YANG "Development of Human-Robot Collaboration to Facilitate Care"	*NYCU/ ITRI*	18
B3 14:10	Prof. Takuya Hashimoto "Musculoskeletal Model for Analysis of Swallowing Function"	*TUS*	20
B4 14:30	Prof. Takumi ASAKURA "Numerical simulation of vibroacoustic transmission characteristics via human middle ear"	*TUS*	22

Session C. Pharmaceutics (15:45-17:45, Sat. Mar 9th)

Chairs: Prof. Masakazu UMEZAWA (TUS), Prof. Er-Yuan CHUANG (TMU)

Session D. Medicals (9:30-11:30, Sun. March 10th)

Chairs

Prof. Hidehiro KISHIMOTO (U. Ryukus), Prof. Jiunn-Horng KANG (TMU)