PROGRAMME

SATURDAY, 10 MAY (TOKYO)

9:00-9:05 WELCOME ADDRESS

Yuji Shimogonya (Department of Bioengineering and Robotics, Tohoku University)

Chair: L. Liu (Tohoku University)

9:05-9:25	Functional Differentiation of Human Neural Stem Cells into Neurons expressing particular neurotransmitter phenotypes
	Viknish Krishnan Kutty (Graduate Programme in Bioengineering, NUS)
9:25-9:45	A Dynamic Force-strain Control System for Isolated Actin Bundles Tsubasa Matsui
	(Department of Bioengineering and Robotics, Tohoku University)
9:45-10:05	Quantitative optical imaging of cellular morphology
	Shalin Mehta (Graduate Programme in Bioengineering, NUS)
10:05-10:20	BREAK

Podium 2

Chair: T. Matsui (Tohoku University)

10:20-10:40	Development of Material Close to Anatomy: Experimental Apparatus to Measure Acoustic Properties
	Osamu Yamashita
	(Department of Bioengineering and Robotics, Tohoku University)
10:40-11:00	Fabrication of mineralized electrospun polymeric nanofibrous composites for bone tissue engineering
	Michelle Ngiam Limei
	(Graduate Programme in Bioengineering, NUS)
11:00-11:20	Characteristics of Force Generated by Outer Hair Cell Motility in the Guinea Pig Cochlea -Theoretical Considerations-
	Shinpei Sato (Department of Bioengineering and Robotics, Tohoku University)
11:20-11:30	Adjournment
	Viknish Krishnan Kutty
	(Graduate Programme in Bioengineering, NUS)
18:30-20:30	BANQUET KKR HOTEL TOKYO Room Hakucho (11th floor)

Monday, 12 May (Sendai)

13:00-13:05 OPENING ADDRESS

Viknish Krishnan Kutty (Graduate Programme in Bioengineering, NUS)

Tutorial Lecture 1

Chair: Y. Shimogonya (Tohoku University)

13:05-13:50 Dirty Surface – Cleaner Cells? Some Observations with a Bio-Assembled Extracellular Matrix

Michael Raghunath

(Associate Professor, Division of Bioengineering, Faculty of Engineering, National University of Singapore and Department of Biochemistry, Yong Loo Lin School of Medicine, National University of Singapore)

Podium 3

Chair: Y. Ueki (Tohoku University)

13:50-14:10 DEP based Lab on a chip: Dielectrophoretic force calculation

Kalpesh Mehta (Graduate Programme in Bioengineering, NUS)

14:10-14:30Pulmonary Airflow Simulation using Subject-specific Model and Cartesian Adaptive
Mesh Refinement Method
Takahito Miki
(Department of Bioengineering and Robotics, Tohoku University)

14:30-14:45 BREAK

Tutorial Lecture 2

Chair: S. Kumano (Tohoku University)

14:45-15:30 Collective Motions of Locomotive Cells in a Suspension

Takuji Ishikawa (Associate Professor, Dept. of Bioengineering and Robotics, Tohoku University)

Podium 4

Chair: Shalin Mehta (NUS)

15:30-15:50 Mitochondrial Drug Delivery System for Cancer Treatment: A Preliminary Study Bramasta Nugraha

(Graduate Programme in Bioengineering, NUS)

15:50-16:10 Dynamic transfer of two-dimensional cellular patterns into hydrogels

Takeaki Kawashima (Department of Bioengineering and Robotics, Tohoku University)

16:10-16:25 BREAK

Podium 5

Chair: Michelle Ngiam Limei (NUS)

 16:25-16:45 Surface Modification of Polycaprolactone for Vascular Tissue Engineering Abhishek Ananthanarayanan (Graduate Programme in Bioengineering, NUS)
16:45-17:05 Collagen I Distribution as a Marker for Liver Fibrosis

Balakrishnan Chakrapani Narmada (Graduate Programme in Bioengineering, NUS)

17:05-17:15 ADJOURNMENT

Takami Yamaguchi (Professor, Graduate School of Engineering, Tohoku University, Leader, Tohoku University Global COE Program "Global Nano-Biomedical Engineering Education and Research Network Centre")

18:00-20:00 BANQUET Komorebi Cafe (School of Engineering, Tohoku University)