2022 年 12 月 16 日
財團法人張榮發基金會 1008

Biology

Time	Speaker	Topic	Affiliation
13:50~14:20	Li-An Chu	MOCAT: Combination of long-term tissue preservation and fast-speed organ-level imaging in cellular resolution	Institute of Biotechnology, National Tsing Hua University
14:20~14:35 (250037)	Dhrubajyoti Das[1] Cheng-Wen Lin[2] Han-Sheng Chuang[1,3]	Rotational Brownian Motion Combined with LAMP for Detection of SARS-CoV-2 On Chip	[1]Department of Biomedical Engineering, National Cheng Kung University [2]Department of Medical Laboratory Science and Biotechnology, China Medical University [3]Medical Device Innovation Centre, National Cheng Kung University
14:35~14:50 (250252)	Yu-Ting Lin[1] Kin Fong Lei[1,2]	Microfluidic device for combined anti-cancer drug therapy	[1]Department of Biomedical Engineering, Chang Gung University [2]Department of Radiation Oncology, Chang Gung Memorial Hospital
14:50~15:05 (250284)	Chun-Yu Lin Yu-Yu Hsueh Pen-hsiu Grace Chao	Wavy structures control vascular smooth muscle cell phenotype	Department of Biomedical Engineering, National Taiwan University
15:05~15:20 (250378)	Long Yi Chan[1] Chin-Yu Lin[1,2,3]	Cre/LoxP Genetic Recombination Sustains Cartilage Anabolic Factor Expression in Hyaluronan Encapsulated MSCs Alleviates Intervertebral Disc Degeneration	[1]Institute of New Drug Development, College of Medicine, China Medical University [2]Tsuzuki Institute for Traditional Medicine, Collage of Pharmacy, China Medical University [3]Master Program for Biomedical Engineering, Collage of Biomedical Engineering, China Medical University
15:20~15:40	Coffee Break		
15:40~16:10	Chen-Hui Chen	In toto imaging of skin and muscle cell dynamics in live zebrafish	Institute of Cellular and Organismic Biology, Academia Sinica
16:10~16:25 (250418)	Cheng-Hsin Wu Hsuan Hu Chin-Yu Lin	Self-assembly mRNA polymeric nanomedicine applied on calvarial bone regeneration through endochondral ossification	Institute of Translational Medicine and New Drug Development, China Medical University
16:25~16:40 (250451)	Kai Wu	Dynamic metrology of biomedical cell	ULVAC Technologies, Inc.

16:40~16:55 (250463)	Yueh-Feng Wu[1] Nai-Wen Chang[2] Li-An Chu[3,4] Hsin-Yu Liu[5] Hsin-Yuan Tan[6,7] Sung Jan Lin[1,2,8,9]	Single-cell Transcriptomics Reveals Cellular Heterogeneity and Complex Cell-cell Communication Networks in Mouse Cornea	[1]Department of Biomedical Engineering, College of Medicine and College of Engineering, National Taiwan University [2]Department of Medical Research, National Taiwan University Hospital and College of Medicine [3]Department of Biomedical Engineering and Environmental Sciences, National Tsing Hua University [4]Brain Research Center, National Tsing Hua University [5]Department of Ophthalmology, National Taiwan University Hospital and College of Medicine [6]Department of Ophthalmology, Chang Gung Memorial Hospital, Linkou [7]College of Medicine, Chang Gung University [8]Department of Dermatology, National Taiwan University Hospital and College of Medicine [9]Research Center for Developmental Biology and Regenerative Medicine, National Taiwan University
16:55~17:10 (250482)	Hsin-Hsiung Huang[1] Si-Ru Chen[1] An-Shun Liu[2] Peng-Ting Chen[1]	Difficulties in Biomedical Device Innovation from the perspective of innovation barriers	[1]Department of Biomedical Engineering, National Cheng Kung University [2]Taiwan Instrument Research Institute, National Applied Research Laboratories