



The 8th Joint Symposium between IBB/TMDU and Chulalongkorn University on “Biomedical Materials and Engineering”

Date: January 25, 2022 Venue: Online

Program:

Thailand	Japan	Topic/Speaker
8:00 – 8:10	10:00 – 10:10	Opening Remarks Prof. Dr. Supot Teachavorasinskun Dean of Faculty of Engineering, Chulalongkorn University
8:10 – 8:20	10:10 – 10:20	Regulation of proliferation and differentiation of osteoblast-like cells by titanium with micro/nano-topography designs Assist. Prof. Peng Chen, IBB, TMDU
8:20 – 8:30	10:20 – 10:30	GO/AgNPs and Inhibition of S.mutans biofilm Assoc. Prof. Viritpon Srimaneepong, Fac. of Dentistry, CU
8:30 – 8:40	10:30 – 10:40	Development of Functional Layered Calcium Phosphate Materials for Bone Repair Assoc. Prof. Taishi Yokoi, IBB, TMDU
8:40 – 8:50	10:40 – 10:50	ACET analysis of TiN coated 3D printed Ti6Al4V Assoc. Prof. Patama Visuttipitukul, Fac. of Eng., CU
8:50 – 9:00	10:50 – 11:00	mRNA therapeutics for central nervous system disorders Assist. Prof. Yuta Fukushima, IBB, TMDU
9:00 – 9:10	11:00 – 11:10	Repurposing small-molecule drugs as inhibitors targeting macrophages Dr. Nonthaneth Nalinratana, Fac. of Pharmaceutical, CU
9:10 – 9:20	11:10 – 11:20	Minimally invasive drug and cell delivery for retinal diseases Prof. Hirokazu Kaji, IBB, TMDU
9:20 – 9:30	11:20 – 11:30	The development of iloprost delivery system for tooth and bone regeneration Assoc. Prof. Chalida Limjeerajarus, DDS., PhD. Fac. of Dentistry, CU
9:30 – 9:40	11:30 – 11:40	Magnetically Controlled Microdevice for Assisted Reproductive Technology Prof. Masashi Ikeuchi, IBB, TMDU
9:40 – 9:50	11:40 – 11:50	Avian Red Blood Cell Counting Technique Assoc. Prof. Supatana Auethavekiat, Fac. of Eng., CU
9:50 – 10:00	11:50 – 12:00	To be announced Assoc. Prof. Ryo Matsumoto, IBB, TMDU
10:10 – 10:20	12:10 – 12:20	Development of Novel Chitosan-based Scaffold Incorporated with Biomolecules for Mineralized Tissue Regeneration Assoc. Prof. Ruchanee Ampornaramveth, DDS., PhD. Fac. of Dentistry, CU



10:20 – 10:30	12:20 – 12:30	To be announced Prof. Yoshikazu Nakajima, IBB, TMDU
10:30 – 11:30	12:30 – 13:30	Break
11:30 – 11:40	13:30 – 13:40	Measuring and imaging of volatile organic compounds emanated via the human skin Assist. Prof. Kenta Iitani, IBB, TMDU
11:40 – 11:50	13:40 – 13:50	Development of plant produced covid19 vaccine for phase 1 clinical trial Dr. Balamurugan Shanmugaraj
11:50 – 12:00	13:50 – 14:00	Medicinal Chemistry Based on Peptidomimetics Prof. Hirokazu Tamamura, IBB, TMDU
12:00 – 12:10	14:00 – 14:10	Development of plant-produced antibodies for cancer Immunotherapy Miss Christine Joy I. Bulaon
12:10 – 14:20	14:10 – 14:20	Development of Ryanodine Receptor 1 (RyR1) inhibitor Assist. Prof. Ryosuke Ishida, IBB, TMDU
12:20 – 12:30	14:20 – 14:30	Research experience in TMDU Mr. Satit Rodphukdeekul, Fac. of Eng., CU and IBB, TMDU
12:30 – 12:40	14:30 – 14:40	Learning opportunities at TMDU and Closing address Prof. Hiroyuki Kagechika, IBB, TMDU