

Biosensor and Bioelectronics for Smart Health and Precision Medicine



September 29, 2021

Moderator



Dr. Chih-Wei Peng, PhD

Director, School of Biomedical Engineering,
Taipei Medical University, Taiwan

September 30, 2021








Dr. Tzu-Sen Yang, PhD

Director, Graduate Institute of Biomedical
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September 29, 2021 Google Meet: meet.google.com/kmt-pwpb-mbz



Taiwan Time	Activity
08:30~08:50	Registration
08:55~09:00	 Opening Remarks Dr. Jiunn-horng Kang, PhD Dean, College of Biomedical Engineer, Taipei Medical University, Taiwan
09:00~09:40	 Innovation in Internet of Medical Things: Advancing Wearable Systems and Machine Learning for Smart Health Dr. Ming-Chun Huang, PhD Associate Professor, Department of Electrical, Computer and Systems Engineering, Case School of Engineering, Case Western Reserve University, USA
09:40~10:20	 Biosensors for Physiological Signal Monitoring and Digital Medical Applications Dr. Jian-Chiun Liou, PhD Associate Professor, School of Biomedical Engineering, College of Biomedical Engineering, Taipei Medical University, Taiwan
10:20~11:00	 Understanding Transcription Factor-DNA Binding for The Design of Biosensors Dr. Tsu-Pei (Lester) Chiu, PhD Postdoctoral Research Fellow and Lecturer, Department of Quantitative and Computational Biology, University of Southern California, U.S.A
11:00~11:40	 Brain-Computer Interfaces (BCI) "Decode" Behavior from Recorded Neural Activity: Conflict Resolution in the Hippocampus and Orbitofrontal Cortex Dr. Kuang-Hsuan (Sherry) Chen, PhD Assistant Professor, School of Biomedical Engineering, College of Biomedical Engineering, Taipei Medical University, Taiwan

September 30, 2021 Google Meet: meet.google.com/ekh-txqm-von



Taiwan Time	Activity
08:30~08:50	Registration
08:55~09:00	 Opening Remarks Dr. Jen-Chang Yang, PhD Vice Dean, College of Biomedical Engineering, Taipei Medical University, Taiwan
09:00~09:40	 Skin Bioprinting Dr. Fateme Fayyazbakhsh, PhD Postdoctoral Research Fellow, Department of Mechanical and Aerospace Engineering, Missouri University of Science and Technology, Rolla, Missouri, US
09:40~10:20	 Functional Graphene Thin-Film Fabricated by Advanced Laser in Biosensor Application Dr. Zhao-Chi Chen, PhD Assistant Professor, Graduate Institute of Biomedical Optomechanics, College of Biomedical Engineering, Taipei Medical University, Taiwan
10:20~11:00	 Self-Powered Sensors for Healthcare Applications Dr. Zong-Hong Lin, PhD Professor, Institute of Biomedical Engineering, Department of Power Mechanical Engineering and Frontier Research Center on Fundamental and Applied Sciences of Matters, National Tsing Hua University, Taiwan
11:00~11:40	 IR-inspired Visual Display Fabricated Using Photothermal Liquid Crystals for Medical and Display Applications Dr. Yu-Cheng Hsiao, PhD Assistant Professor, Graduate Institute of Biomedical Optomechanics, College of Biomedical Engineering, Taipei Medical University, Taiwan

