BIO Asia–Taiwan 2022 Conference

Session 11 – Novel Platforms for Biopharma Discovery

Date / Time: Friday, July 29, 2022 | AM09:00 – AM10:30

Venue: 701EF, 7F, TaiNEX2 / Online Event Platform

Organizer: Academia Sinica, Taiwan Bio Industry Organization

Session Chairman: Han-Chung Wu, Director, BioMedical Translation Research Center, Academia Sinica

Agenda:

09:00 – 10:30	Session 11 – Novel Platforms for Biopharma Discovery
09:00 – 09:05	**Opening Remarks** Han-Chung Wu, Director, Biomedical Translation Research Center (BioTReC), Academia Sinica, Taiwan
09:05 – 09:20	**Engineering Gene-Circuit-Enhanced Natural Killer Cell Therapies for Oncology** Timothy K. Lu, Associate Professor of MIT Biological Engineering and Electrical Engineering and Computer Science
09:20 – 09:40	**Preemptive Genetic Profiling for Drug Development and Health Management** Pui-Yan Kwok, Distinguished Research Fellow and Director, Institute of Biomedical Sciences; Academician, Academia Sinica
09:40 – 10:00	**1 Cell, 2 Weeks, 3D Culture to Find a Drug:** **Single Cell 3D Culture Technology Accelerating Precision Medicine** Ying Chih Chang, Professor, Genomics Research Center, Academia Sinica; CEO, AcroCyte Therapeutics
10:00 – 10:15	**Machine Learning Driven Protein Engineering** Tristan Bepler, Group Leader, Simons Machine Learning Center, New York Structural Biology Center; Co-Founder and CEO of OpenProtein.AI
10:15 – 10:30	**Conclusion Remarks** Jung-Hsin Lin, Research Fellow/Deputy Director, Biomedical Translation Research Center (BioTReC), Academia Sinica, Taiwan **Closing Remarks** Han-Chung Wu, Director, Biomedical Translation Research Center (BioTReC), Academia Sinica, Taiwan