



Beacon Asia Tour - Japan

Co-hosted by Kyoto University and Bruker Cellular Analysis

Date: May 29, 2025

Time: 3:30PM – 6:00PM

Location: Kyoto University Graduate School of Medicine, Medical Innovation Center ,1st Floor, Seminar room

About Speakers



Dr. Edward Xu Han, Dr. Edward Han joined Bruker Cellular Analysis (formally IsoPlexis and Berkeley Lights) in 2020 and works on the product management team focusing on single immune cell functional response applications on IsoSpark/IsoLight and Beacon platforms. He obtained his PhD in Biomedical Engineering from Yale University under the mentorship of Dr. Laura Niklason. His research interests include immunology, oncology, drug development, and tissue engineering.



Prof. Takero Shindo, Born in Hiroshima, Professor Shindo graduated from Kyoto University's Faculty of Medicine. Concurrent with his hematology clinical work, he researched transplantation immunology at Kyoto University and later held postdoctoral fellowships at the Fred Hutchinson Cancer Research Center and the Sylvester Comprehensive Cancer Center at the University of Miami. Following positions at Saga University and Kyoto University, he joined Hiroshima University in 2023. His expertise lies in transplantation immunology, with a focus on histocompatibility antigens and intracellular signaling.



Dr. Keisuke Ohta, With a Ph.D. in Molecular Biology and Radio-oncology (Tokyo Science University), Keisuke Ohta's career spans research at Toyo Suisan, R&D leadership, and roles at Thermo Fisher Scientific (Field Application Scientist, sales manager for GMP support) and GenScript Probio (Business Development Director). Since June 2023, he has been with Berkeley Lights, covering Sales/Marketing and Field Applications at Bruker Cellular Analysis.



Dr. Tomoko Sudo, Dr. Tomoko Sudo is a biotechnology specialist with broad expertise in human antibody development and nucleic acid therapeutics. She holds a Ph.D. in Molecular Biology from Osaka University, where focused on cell cycle regulation. With hands-on experience in both in vitro and in vivo research, she has contributed to therapeutic development at startups and prime-listed chemical companies. Dr. Sudo also brings extensive knowledge of commercialization, including IP strategy and development operations. As a Senior Field Application Scientist at Twist Bioscience, she supports innovation in synthetic biology and biopharma across Japan.

3:30 – 3:50	Registration
3:50 – 4:00	Opening Address Dr. Shinobu Suzuki, Program-Specific Professor, KUMBL Pheron Cheng, General Manager, APJ, Bruker Cellular Analysis
4:00 – 4:40	Revolutionizing Functional Immune Cell Screening and Therapy Development with Multimodal Single-Cell Analysis Dr. Edward Han, Product Manager, Bruker Cellular Analysis
4:40 – 5:10	BCR discovery targeting HLA in transplant immunology Dr. Takero Shindo, Associate Professor, Hiroshima University
5:10 – 5:20	Break
5:20 – 5:30	Beacon Technology / Innovative Drug Discovery Through Multi-Modal Live Analysis Dr. Keisuke Ohta, Sales Manager, Bruker Cellular Analysis
5:30 – 5:50	Single B Cell Antibody Discovery from Mouse, Alpaca, and Rabbit Using Beacon Optofluidics Dr. Tomoko Sudo, Senior Field Application Scientist, APAC, Twist Bioscience

You can register the event here !

If you have any inquiry, please contact sales-jp@brukercellularanalysis.com !

