Health and Medical Research

An Australia-Japan Collaborative Research Highlight Webinar hosted by ANZOR Japan

Speakers

Prof. Shinya Kuroda, The University of Tokyo (UTokyo)

Prof. Shinya Kuroda has been a professor in the Department of Biological Sciences, Graduate School of Science, The University of Tokyo since 2006. He studied the mechanism of cellular signaling during his PhD at Osaka University and a post-doc period in Nara Institute of Science and Technology. He learned computation lab at ATR. He became an associate professor in the Department of Computer Science, The University of Tokyo in 2002, and started his lab for systems biology of cellular signaling of insulin action. He became a full professor at the current position in 2006. In 2014, he started collaborating with Prof. David E. James (University of Sydney) on the trans-omic analysis of insulin action by integrating multi-omic data.

A/Prof. Kathy Fuller, University of Western Australia (UWA)

A/Prof. Kathy Fuller is the Associate Professor of Translational Oncology at the University of Western Australia in Perth Australia. She is co-inventor of the immuno-flowFISH method, a world-first automated flow cytometry method that can detect chromosome signals inside cells identified by their immunophenotype. Her development of this patented method was awarded the Australian Museum ANSTO 2018 Eureka Prize for Innovative Use of Technology. In 2018, Kathy and her research team, Prof. Wendy Erber and Dr. Henry Hui, began collaborating with Mr. Kazuhiro Yamada and Mr. Yusuke Konishi from Sysmex Corporation to expand immuno-flowFISH to the assessment of multiple myeloma.

Dr. Mitra Safavi-Naeini, Australian Nuclear Science and Technology Organisation (ANSTO)

Dr. Mitra Safavi-Naeini is a Principal Physicist and Research Leader in Human Health at ANSTO. Mitra is a prolific researcher in the field of particle physics and medical radiation physics. Her two main research areas are: radiotherapy (proton and heavy ion therapy and flash photon therapy) - particularly in relation to treatment methods for cancers with poor prognoses - and image quantification (with a specific focus on positron emission tomography and its application to particle therapy). Mitra is one of the co-inventors of neutron capture enhanced particle therapy (NCEPT). She has brought together a multi-disciplinary team of expert scientists and established a large group of international industry and academic partners to form a consortium around the NCEPT project and its translation.

Moderator

Dr. Anika Prabhu, RIKEN

Dr Anika V. Prabhu is a research scientist who received her PhD studying disorders of cholesterol metabolism at The University of New South Wales in Australia. She completed a post-doc at the National Institutes of Health in the United States examining the role of sterols in neuron development. Currently, she is based at the RIKEN Center for Integrative Medical Sciences in Yokohama, Japan and supported by a fellowship from the Japanese Society for the Promotion of Science to investigate neurological disease at single-cell resolution. Her ongoing research into rare genetic disorders has involved collaborations with and support from other academics as well as pharmaceutical companies, clinicians, and patient families.

Event Details

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