

## CIGS Ray Liu Seminar

### " The Promise and Fallacy of AI/ML for Pharma R&D "

- Date & time:** Tuesday, 15th October 2019 15:00-16:45 (Reception starts: 14:30)
- Venue:** The Canon Institute for Global Studies Conference room3  
(11F, Shin-Marunouchi Bldg., 5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan)
- Speaker:** Dr. Ray Liu  
(Senior Director of Advanced Analytics, Takeda Pharmaceutical Inc., Cambridge, MA, U.S.A.)
- Moderator:** Jun Kurihara, Research Director of CIGS
- Language:** English
- Capacity:** 50 participants
- Program:** 15:00-16:00 Lecture  
16:00-16:45 Q&A

#### Abstract of the Speech:

Pharma R&D can use a boost to improve efficiency. With the success in other industries, AI/ML is seen as a game changer for drug development. But unlike in consumer spaces where data are abundant and cheap to generate, pharma R&D has special constraints that could prevent the full potentials of AI/ML to be fulfilled.

In this presentation he will explain the challenges faced for AI/ML implementation in drug development and discuss right opportunities for AI/ML to shine.

#### Speaker profile:

Dr. Ray Liu is Senior Director of Advanced Analytics, Takeda Pharmaceutical Inc., based in Cambridge, Massachusetts. He is now one of the world's leading analysts in the fields of biomarker data and Big Data analyses with a 16-year pharmaceutical industry experience. Prior to joining Takeda in 2009, he had served as an analyst at prominent institutions such as the Neurological Institute at Columbia-Presbyterian Medical Center, PsychoGenics Inc., Weill Medical College of Cornell University, PsychoGenics Inc., and Pfizer Inc. He has extensive academic connections and served as an editor of two Springer books with various articles in statistical and biomedical journals. One of his edited books, *Recent Trends in Pharmaceutical Statistics*, was published in August 2019. He earned a PhD from the Mailman School of Public Health, Columbia University in 2003.