CBC SEMINAR ANNOUNCEMENT

Dr Hideaki Fujita
RIKEN Center for Biosystems Dynamics Research, Japan
Using Raman Scatter from Single Cell to predict the Cell State

Mammalian cells can take various states depending on their role which will change by the cue from the environment. Traditional methods to detect cell state such as Western blot analysis, quantitative RT-PCR or immunofluorescent microscopy, where cells will be distracted during analysis. Microscopy using reporters or FACS using surface markers enable to detect the cell state without distraction, however, comprehensive analysis is difficult due to the limitation of the number of reporters that can be used. In this seminar, I will introduce Raman scattering analysis to predict the cell state without labeling and cell distraction. Using Raman scattering from a cell, cell-type, cell differentiation, cell activation can be predicted.

For Zoom registration:
Date: 16th October 2020 (Friday)
Time: 3.00 pm to 5.00 pm
Venue: Zoom Platform
Host: Dr Ken Lee

Biography