Single cell. Big picture.

Analyze and visualize cytometry data sets

[貝克曼庫爾特專題演講]
CytoBank--training

時間：10/20(三) 10:00-12:00
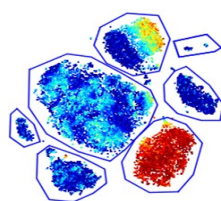Speaker：
Shirly Phoon,
Regional Technical Sales Support of Cytobank,
Beckman Coulter Life Sciences
報名網址: https://reurl.cc/0x1jok

Abstract:
With the advancement of technology in the cytometry field, we are now able to measure more and more parameters simultaneously on a single cell level. The dimensionality of datasets has increased from traditional 4-5 color to 10-20 color or even more with many of the advanced instruments on the market. The sample size is also getting increasingly larger in terms of the number of events and number of samples collected. To handle data with high complexity, many machine learning algorithmic tools are developed for dimensionality reduction and clustering.
In this seminar, we will present Cytobank, a cloud-based cytometry data analysis platform that enables biologists to perform machine learning algorithms like viSNE, SPADE, FlowSOM, and CITRUS at your fingertips without programming. You will explore the power of those algorithms to make discovering the next generation of biomarkers and rare cell populations easier than ever.
In this session, you will learn how each algorithm works and how they facilitate your data analysis workflow. We will also touch base on data management with easy collaboration and sharing among colleagues with Cytobank.

BECKMAN COULTER
Life Sciences