

Ingenuity Pathway Analysis Seminar

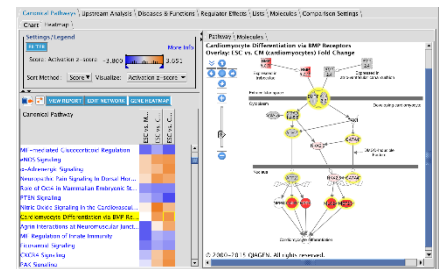
Date: Aug 31st , 2017
 Location: Lab3 C700room
 Description:



Ingenuity Pathways Analysis (IPA) is bioinformatics software is a web-based software application for the analysis, integration, and interpretation of data derived from 'omics experiments, such as RNAseq, microarray, metabolomics and proteomics, that generate gene and chemical lists. Powerful analysis and search tools uncover the significance of data and identify new targets or candidate biomarkers within the context of biological systems. The seminar will small case study using IPA about "Search and Explorer Biological content in IPA" and "Omics Data analysis in IPA".

Instructor: Mr. Hideo Tanaka (Tomy Digital Biology)
 Language: English
 Sessions:

- 1) Search and Explorer using IPA @ 10:00 – 11:00
- 2) Omics Data analysis using IPA @ 11:00 – 12:00



- Search and Explorer using IPA @ 10:00 – 11:00
- 10:00 – 10:30 Search using IPA
 - How to search?
 - What content in IPA search result?
 - 10:30 – 11:00 Explorer from search result
 - Which molecules upstream or downstream from specific molecule?
 - Which molecules have interaction from molecules which related to specific biological functions?
- Omics Data analysis using IPA @ 11:00 – 12:00
- 11:00 – 11:15 Data format and how to upload data to IPA
 - 11:15 – 12:00 Omics data analysis result from IPA
 - Related Canonical Pathway to dataset
 - Related Diseases and functions to dataset
 - Upstream regulators of dataset