

Ingenuity Pathway Analysis (IPA) Seminar and Hands-on Training



University of Hawaii Cancer Center
February 24, 2020

INGENUITY
PATHWAY ANALYSIS

This IPA seminar is geared for new users and the hands-on training workshop is for both new and existing users. We will mainly focus on biological interpretation of expression data (including RNA-seq). Using IPA you will learn how to rapidly:

- Format, upload your data, run an IPA core analysis, and interpret the results
- Identify pathways that are likely to be impacted
- Find causal regulators and their directional effect on genes functions and diseases
- Build pathways and make connections between proteins, compounds, diseases and more, and overlay multiple datasets on a pathway or network
- Understand the impacted biological processes
- Comparison Analysis: use a heat map to easily visualize trends and clusters across multiple time points or samples
- Correlate your core analyses in IPA with thousands of other publicly available profiling data sets with Analysis Match

You will also learn to explore IPA's knowledge & discovery tools that allow you to relate the most recent literature findings to your research.

Sessions:

Monday, February 24th

10:00am-11:00am: Introductory IPA Seminar
For new users

1:30-4:30pm: Hands-on Training Workshop
For new and existing/advanced users

Laptop Required for hands-on portion

Both sessions will be at UH Cancer Center

Sullivan Conference Center

701 Ilalo St, Honolulu

Instructor: Devendra Mistry, Ph.D., Field Applications
Scientist, QIAGEN

Register by email to Carrie.Weston@qiagen.com

