



# Ingenuity Pathway Analysis (IPA) Hands-on Training

Sponsored by Indiana CTSI

## INGENUITY PATHWAY ANALYSIS

This [live web-based](#) hands-on training session is geared for 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 from our OmicSoft data repository 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.

**Follow along on your computer!**

### Choose from 3 sessions:

**When:** Tuesday, May 19<sup>th</sup>, 9:00-12:00pm  
Wednesday, May 20<sup>th</sup>, 1:00-4:00pm  
or Thursday, May 21<sup>st</sup>, 1:00-4:00pm

**Where:** Zoom meeting. Details to follow upon registration

**Instructor:** Shawn Prince, Ph.D.,  
Field Applications Scientist, QIAGEN Digital Insights

**Register:** via online registration at [https://is.gd/IPA\\_training](https://is.gd/IPA_training)  
by **Friday, May 15<sup>th</sup>**

