QIAGEN Bioinformatics Day at Yale School of Medicine

May 10th

Ingenuity Pathway Analysis (IPA) Hands-on Training

CLC Onsite Seminar

Session 1: 9:00 AM to 11:30 PM
Sterling Hall of Medicine Room C-103,
333 Cedar St, New Haven, CT 06510

IPA Hands on Training

If you have gene (including RNAseq), protein and metabolic expression data, you should be using IPA to guide you with the biological interpretation of your data. Using IPA you will learn how to rapidly understand:

- Pathway involvement and change
- Effected biological processes
- Causal regulators and their directional effect on genes, functions and diseases across multiple time points or doses. You will also learn to explore IPA's knowledge and discovery tools that allow you to relate the most recent literature findings to your research.

Requirement: Laptop and active IPA account (Register for an IPA account)

Registration required here: http://schedule.yale.edu/event.php?id=1117400

Session 2: 1:00 PM to 3 PM
Sterling Hall of Medicine Room C-103,
333 Cedar St, New Haven, CT 06510

CLC Genomics Workbench

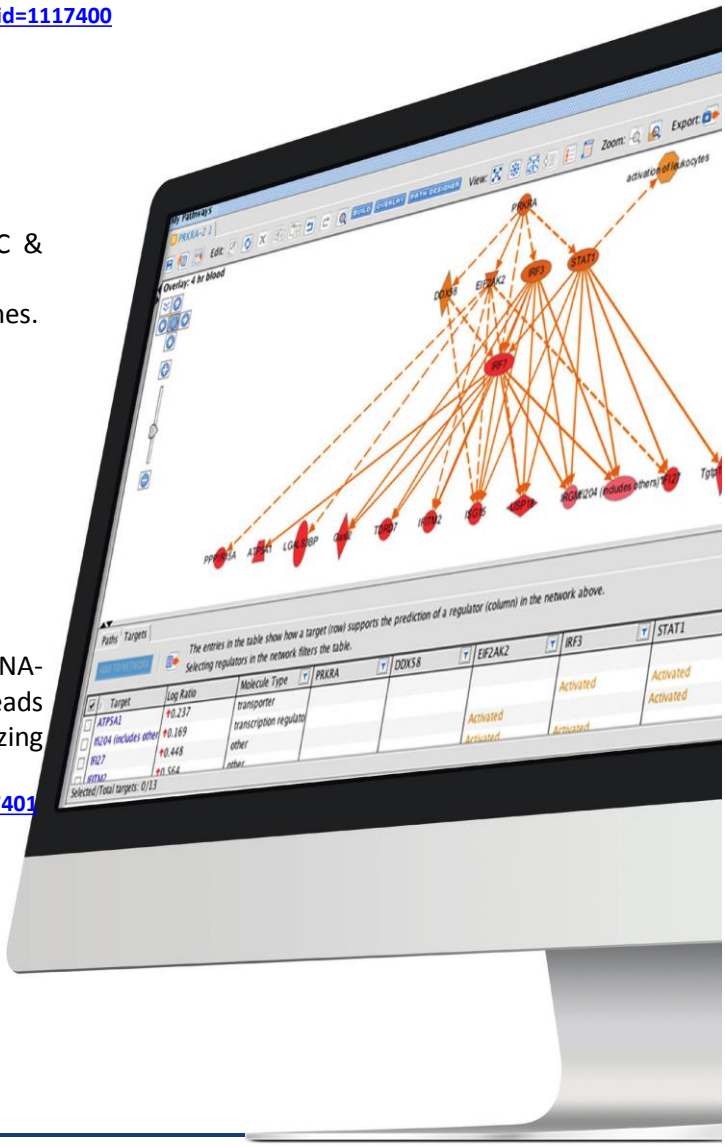
Overview of Application, Importing NGS read data, QC & Pre-processing

- De novo assembly – Genomes & Transcriptomes. Characterizing Contigs, Joining & Finishing
- Mapping/Alignment to Reference, Variant Calling, Annotation & Filtering
- RNA Seq Analysis Workflow & Tools
- Overview of Microbial Modules (Finishing & Microbial Genomics)

CLC Biomedical Workbench & Ingenuity Variant Analysis

- Prebuilt intuitive pipeline for your human DNA-seq data that allows you to quickly go from reads or called variants to identifying and prioritizing the casual variants.

Registration required: http://schedule.yale.edu/event.php?id=1117401



Instructor: Devendra Mistry, Ph.D.
Field Application Scientist,
Ingenuity Products, QIAGEN

Contact: Rolando.Milian@yale.edu