Closing Thoughts

Genome Center
University of California, Davis
settles@ucdavis.edu

The forest through the trees

Experimental Design

Conduct Experiment

Prepare Samples
Extract RNA

Prepare Libraries Generate Sequence Data

Preprocess

Data (QA/QC)

Map Data to Genome

Assign Reads to Genes

Perform Differential Expression and other Downstream tests

Interpret

Be Consistent

BE CONSISTENT ACROSS ALL SAMPLES!!!

Prerequisites

- Access to a multi-core (24 cpu or greater), 'high' memory 64Gb or greater Linux server.
- Familiarity with the 'command line' and at least one programming language.
- Basic knowledge of how to install software
- Basic knowledge of R (or equivalent) and statistical programming
- Basic knowledge of Statistics and model building

The Bottom Line:

Spend the time (and money) planning and producing **good quality, accurate and sufficient data** for your experiment.

Get to know to your data, develop and test expectations

Result, you'll **spend much less time** (and less money) extracting biological significance and results during analysis.

Workshop week 2 reservation

workshop ACTIVE 2018-06-17 2018-06-30 13-days

My recommendation is to follow all of the instructions again, from the beginning on your own and send emails to

bioinformatics.training@ucdavis.edu

And we will be responsive to answering questions

Future workshops

UCSC Genome Browser Workshop

Aug. 20, 2018, 9 a.m. - Aug. 21, 2018, 5 p.m.

Organizer - Bioinformatics Core

Contact - UC Davis Bioinformatics Core, training.bioinformatics@ucdavis.edu

Variant Analysis Workshop 2018

Aug. 27, 2018, 9:30 a.m. - Aug. 31, 2018, 4:30 p.m.

Organizer - Bioinformatics Core

Contact - UC Davis Bioinformatics Core, training.bioinformatics@ucdavis.edu

Bioinformatics Prerequisites Workshop Sept 2018

Sept. 4, 2018, 9:30 a.m. - Sept. 7, 2018, 4:30 p.m.

Organizer - Bioinformatics Core

Contact - UC Davis Bioinformatics Core, training.bioinformatics@ucdavis.edu

http://registration.genomecenter.ucdavis.edu/