

Closing Thoughts

Dr. Matthew L. Settles

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

Sponsored by Lexogen

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!!!

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 2017-06-18 2017-06-24 6-days
- workshop2 INACTIVE 2017-06-25 2017-07-02 7-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