

## Closing Thoughts

Genome Center  
University of California, Davis  
[settles@ucdavis.edu](mailto: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!!!**

## 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](mailto: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](mailto: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](mailto: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](mailto:training.bioinformatics@ucdavis.edu)

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