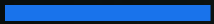# This Week

Today's Lecture

Functional
Analysis

Wednesday's Class – "Choose Your Adventure"

Will Post All MaterialsTuesday night.

There is in-person NO CLASS.

Use this 75mins to review the content on your own
(Each folder will contain data required to run RMD file)

- Gene Set Enrichment Analysis
  - Are you interested in interrogating your "gene-set" for one pathway of interest?
- Generating a Multi-panel Figure
- Metagenomic Analysis
- Diffbind Analysis or ssvQC (epigenetic analysis)

One-on-One Meetings (THIS WEEK)

I am available to meet with any students who have questions remaining about their counts files (.count)

This is the starting input for the R portion of the final project. You will need these processed files to proceed forward.

HW#7 is graded

Your next step will be to:

1) Transfer your "_gene.id.count" files off the VACC.

2) These files will be your input for DESeq2. You will make a metadata table to match SRR##### to sample names. You will want to follow this tutorial -

Please sign up to meet with me NEXT WEEK only.

Let's set up a time to meet to discuss how to proceed forward.

Please sign up to meet with me THIS WEEK and NEXT WEEK.

Sign Up Sheet Posted on BrightSpace

Please sign up to meet with me this week if suggested on your HW#7 feedback.

Brightspace –> Final Project Materials

(Check to see if you can edit EXCEL File)

Next Week

- Every student should be signing up to meet with me at least once during the week of Monday, April 21st to Friday, April 25th.

- We will use this 1-hour time to individually review your files, gameplan your analysis, and final project plan forward.

- For these meetings, please come prepared with:
  - Counts files (transfer these off the VACC)
  - Your paper – have the link ready
  - Your GEO – have the link ready
  - Your Homework #5 submission (green, blue, black)
  - Questions about Final Project Submission (see guidelines)
  - <u>Challenge</u>: It would be great if you come with a PCA plot made ready to interpret….

Final Project Guidelines have been posted for GRAD Students

Brightspace -> Final Project Materials

I will post the guidelines for UG today after class

Your Final Grade
have been "unhidden"

VACC clean up session (~10 mins)

Let's all spend the next 10 minutes deleting unnecessary files.

Those of us using R/Rstudio via VACC-OOD require space!

VACC files to delete (~10 mins)

📂 FASTQ files (if I stated in HW#7 you can delete)

📄 UNSORTED BAM files

▦ Take this time to organize and ask me questions.

✓ I will walk around to check the status of your final project folders