

## **RNA-seq workshop R and Rstudio installation and DESeq2 script execution instructions**

The BCBB team has made R and Rstudio software available on the Self Service tool (under 'Software' tab) for Macs or the Software Center tool for windows. You should be able to install these tools without IT.

Once R and Rstudio are installed, navigate to the code folder in the RNAseq\_workshop\_031819 folder and open the RNAseq\_DESeq2\_workshop.R script in Rstudio.

1. Place cursor on line 8 and execute line by pressing command-enter
2. Execute each individual package install, lines 13 through 25, using command-enter
  - a. For each package installation you may be prompted with "Update all/some/none? [a/s/n]:" - answer with a for all
  - b. May also be prompted with "Do you want to install from sources the packages which need compilation? (Yes/no/cancel)". - answer no
3. Once all packages installed you can execute each line of the R script, again using command-enter to execute the line that your cursor is currently on

Please don't hesitate to contact me if you are having any issues with R and Rstudio installation and R script execution – [brendan.jeffrey@nih.gov](mailto:brendan.jeffrey@nih.gov)