# UNC Remote Bioinformatics Workshop 2020

Course leads: Peri Bolton & Chris Balakrishnan

**Course Goal:**

This course is designed to develop practical bioinformatics skills for beginners, with a particular focus on analysis of RNAseq datasets. Although there are many graphical-user-interface and commandline tools out there for bioinformatics, we will focus on two commonly used commandline scripting languages:R and unix. By the end of this course participants should be capable of analyzing RNAseq datasets on their own.

**Strategy & delivery:**

This course will be delivered remotely, by instructor Dr Peri Bolton. It will consist of zoom-based contact at least once a day, as well as self-directed tutorials. Then, to maximise student retention of material, we will focus on student led discussion of relevant papers and an independent group assignment for presentation at completion of the course.

Peri will deliver lecture content, and on each day of tutorials there will be a face-to-face check in, as well as IM based support available over Slack.

**Assessment**

There will be student led discussions and a final assignment to complete. These will not be graded, but feedback will be provided. Students will work in pairs on a dataset, and work to produce a final 20 min + 10 min questions presentation on their findings.

**Schedule**

See Excel spreadsheet.