**Notes for first lecture**

* Class concept
  + Bioinformatics increasingly essential tool for science
  + We don’t want to teach students how to be programmers, but some coding knowledge can open access to powerful bioinformatics tools
  + The overall class goal is to provide basic bioinformatic fluency
    - Tilted toward tool concepts and use vs. technical understanding or creating new tools
  + Class divided into five parts
    - Python as a bioinformatic tool
    - Tools for nucleic acid analysis
    - Networks to visualize and analyze biological data
    - Protein structure and function analysis
    - Independent final project
  + Grades will be based on homework and the final project
* Git and Github
  + Git is the most common VCS (version control software)
  + Useful for us as a way of distributing files, including code
  + Github has 28 million repositories (repos) including many scientific tools
  + Papers often have links to Github repos