Experimental work best practices

Safety

• All experimental work is to be performed with safety first and foremost in mind.

Project management in OSF

• All projects should be defined in OSF and include the following information:
  • project design
  • location of large datasets (e.g. sequencing)
  • location of any scripts used for the analysis
  • integration of relevant github repos and google drive folders
  • analyses formatted in a reproducible research format (html from rmarkdown or jupyter notebook)
  • An indication in the wiki of the project status (in progress, completed, abandoned)

Record keeping

• All experimental work needs to be recorded in a dated page in your lab book. This includes experimental failures.
• All experiments should use protocols available on the wiki.
• All new protocols should be added to the wiki, and improvements to protocols should be incorporated into the existing protocol on the wiki.

Large scale assays

• A record of sequencing experiments in the lab is maintained here: /Gresham Lab_Share/Gresham Lab Sequencing

Standard practices

• All reagents need to be clearly labeled and include your name (or initials, if unique) and the date that the reagent was made.
• No reagents should be kept for more than 6 months.