NetID: au198
Aizhan Uteubayeva

Step 2
Final Project: Enrichment analysis using EnrichR
HIDS-7003-01

Goal: Use the t-test results and shortlist based on p-value < 0.001 in order to identify various functional groups of the selected genes

Workflow:
1) Import T-test results for further shortlisting
    a) File that contains group comparison results
2) Filtering/shortlisting
    a) Short listed the results based in p-value cut off (p-value <= 0.001)
3) Export the short listed results for reference
4) Clean gene names
    a) Genes name are clean and ready to proceed - 821
    b) Cleaning the gene list from duplicates and only leaving unique genes - 702 genes were discovered.
5) Loading Databases for EnrichrR package
    a) Use the list of databases for which enrichment analysis will be run
6) Calling function to run Enrichment