Investigator : Tim Mckinsey

Project : Givinostat(ITF-2357)

**To-do**

1. Edit volcano plots of genesets
   1. Re run GSEA with increased permutation until all P-values are revealed (trial and error which takes a long time to process)
   2. Extract results from remote server
      1. Might be able to SCP GSEA results to another server if not local
   3. Apply new results to procedure for Volcano creation
2. Create RMD report encompassing all results and procedures

**5/22/2020**

1. Ask CIDA if i can get more pvalues from GSEA
   1. Perhaps lower geneset count?
   2. Manual stat test for pvalue of genesets?
   3. Discuss with Lauren, Andrew, and Katerina

**5/27/20**

1. Determine precisely how Pvalues is determined what test. KS statistic?
   1. Derived from permutations?
2. Lauren suggested using a Chi square test on a 2 x 2 table indicating results that the volcanos try to visualize
3. Create a more descriptive methods sections for manuscript

**6/5/20**

1. Stick to a naming convention
2. Get access to shared R drive in Tims lab to add folder and subfolders for all deliverables
3. Identify all genesets of interest using an excel document that contains this annotation similar to the broad institutes descriptions
4. Provide list of all genesets including those not of particular interest for supplemental information
5. Redo fishers exact test on new results
6. Input < 2.2e-16 as 2.2e-16 is just the lowest that R can resolve
7. Add Pvalue dashed line equivalent to FDR < .5
8. Ask lauren or tech support for the geneset annotations list
9. Have all this by mid next week ideally.