**9.28 Weekly Report**

Caiya Zhang

What you have done in the past week:

1. This week I focused on the dataset in mCSM-PPI2 and went through the general structure of input data for that project;
2. To understand how to get and prepare similar data in real code, I referred to a github project called GeoPPI, which was recommended by Yan;
3. Tried to retrieve one of the csv files in mCSM dataset (S4169) on Google Colab, and split each row of data according to the method used in GeoPPI;
4. Prepare for the short presentation of describing and handling the data.

What are major challenges/issues you need to discuss in the meeting?

1. I wonder is there a specific type of graph neural network is recommended for PPI prediction, such as GCN or CGAT, etc.

What you want to accomplish in the next week/weeks:

1. In next week, my plan is to reproduce the data preparation part of mCSM on Colab, following the idea of GeoPPI to obtain data and build graphs, and check the results by printing the matrix;
2. Ready to start writing a formal thesis proposal, which will be due on Oct 20th.