**9.21 Weekly Report**

Caiya Zhang

What you have done in the past week:

1. Quickly read over the four papers mentioned in “Literature Review”, and I’ve had a general understanding of the task mentioned in the proposal.
2. A github repository was created to upload weekly report, and this is the repo link: <https://github.com/Caiya-Zhang/gnn_pro_mut>

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

1. Whether I can develop my project basing on the code of the recommended project, or is there a recommended framework. If I need to start from scratch, I may first build the framework as I'm used to and may modify later.

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

1. For the binding affinity changes equation given in the proposal, I am not particularly sure how this equation is actually applied in code. I may need Frederic's help.
2. Focus on reading and understanding the DATA and METHOD parts of mCSM-PPI2 and MutaBind2. Hopefully, through these, I can **have an initial idea of the form of data I need to use for training and how to apply the objective function**. I hope I can get some inspiration from this.