

Research Theme: Computational Biology; Functional Genomics

MSc Research Project Title:

Machine learning approaches to improve protein-ligand binding affinity prediction

Principal Investigator/Supervisor: Mu Yuguang

Co-supervisor/ Collaborator(s) (if any):

Project Description

- a) Background: Our group have developed OnionNet ML tools to predict protein-ligand binding affinity.
- b) Proposed work: To improve the OnionNet models by including more ligand chemical properties.
- c) Preferred skills: computation work on data analysis would be a big plus, but not indispensable

Supervisor contact:

If you have questions regarding this project, please email the Principal Investigator:
ygm@ntu.edu.sg

SBS contact and how to apply:

Associate Chair-Biological Sciences (Graduate Studies) : AC-SBS-GS@ntu.edu.sg

Please apply at the following:

Application portal:

<https://venus.wis.ntu.edu.sg/GOAL/OnlineApplicationModule/frmOnlineApplication.ASPX>