

Molecular Dynamics: Comparison of the Cytochrome P450 1A2 System

Tiffany Sun

Universiti Sains Malaysia

Penang, Malaysia

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Project(s)

My main project is on the molecular dynamic analysis on cytochrome P450 1A2 membrane-bound and waterbox systems.

Another project is on dengue (NS2B/NS3pro) with a master student, Rina. I'll be working on laboratory testing.

Progress

The progress this week is to observe the activity of the water molecules within the active site and compare the difference between the membrane bound and waterbox systems.

After a discussion with my mentor, Sy Bing about my project, I've planned out a list of different analysis that I can do on top of the scripts provided by my other mentor from UCSD, Luke.

Goal for next week

Work on more analysis work on the cytochrome P450 system with Dr. Sy Bing Choi. My goal for next week is to finish gathering all the calculation data, including RMSD, RMSF, hydration analysis, F-G loop, and binding site activities for both systems.

I'm meeting with Prof. Habibah's master student, Rina, to have a tour of the experimental lab for cytochrome P450 next Monday morning. I'll be discussing my wet-lab experimental project on dengues with Rina afterwards.

The call for prayer tower



The call for prayer call is 5 times a day, usually sung by a well respected male Muslim.

Indian dinner with Jenny



Eating curry rice on a banana leaf. It makes everything taste better!