Computational methods for fast protein docking

PROJECT DESCRIPTION

Computational drug design relies on the development of fast and efficient computational tools. Large data sets of possible drug molecules need to be systematically scanned for molecules that can bind to a given target. In this project I am working with a drug development company: Syndemedic. The intern will work with me and with researchers from Syndemedic to develop fast docking methods. Knowledge in programming and machine learning is helpful.

FACULTY-DEPARTMENT

Sciences - Math and Stat Sciences

OPEN TO STUDENTS FROM THE FOLLOWING INSTITUTIONS

Chinese universities participating in the *Double First-Class Initiative*.

DESIRED FIELD OF STUDENT STUDY

programming skills, machine learning, basic Math skill.

INTERNSHIP LOCATION

Edmonton Campus

NUMBER OF INTERNSHIP POSITIONS

2

INTERNSHIP DATES

Start: April 15 or September 1, 2019

End: July 15 or November 30, 2019

ARE THE DATES FLEXIBLE?

I prefer to supervise the two interns at the same time.