**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](http://example.com).

**DESIREDFIELD 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.