

Brief Statement for Annual Progress

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From last summer and on, I did some research with Dr. Bhattacharya and Dr. Lau, mainly focusing on simulation about biological related polymers. I learned Fortran during the first month, read several basic books in that area, and then did a lot coding work with Fortran later. I got a clear view of what's called Molecular Dynamics, and had a deeper concept about the crossing field of physics and biology.

This semester, I'm taking 3 courses: Introduction to Structure and Dynamics of Biomolecules, Radiation Physics, and Radiation Therapy Physics, to fulfill the credits requirement for a master's degree in physics. In the first course with Dr. Bhattacharya, I learned a lot about the classical methods and theories in the field of Soft Condensed Matter. For example, when making a model, what are the major factors we have to consider, and what are the minor factors we can ignore temporarily and come back to them at the end. In the other two courses, I got the fundamental knowledge of medical physics, and got exposed to the up-to-date technology in the application of physics in medicine.

Of course, I worked for another year as Teaching Assistant. I kept on teaching PHY 2049L, the total number of students in last summer, last fall and this spring is about 75. I got more familiar with this course and more confident when teaching in the lab.