**The University of Hong Kong - Biomedical Sciences**

It all kicked off when in grade 10, I was mesmerized by a video of Kurzgesagt – In a Nutshell shared by my Biology teacher, which depicted the friendship between T and B cells. B cells act as a frontier to invade pathogens, but they can get ‘exhausted’ after fighting extensively. Concerning this, T cells invigorate B cells, thereby enabling B cells to return vigorously to the war. This made me think that physiology could teach us important things about life and initiated my interest in the Biomedical Sciences. Due to this, I wanted to dive into the human body by enrolling in the HEAL Clinical Shadowing Program.

This program was held virtually each week. In the sessions, we were led by professional doctors. like Dr. Chris Behringer and Dr. Shivaan Oomrigar, who taught us how real patients were interviewed about their health condition. I studied a multitude of diseases, such as ulcerative colitis, hemorrhoids, Kawasaki disease, etc. I was taught how to diagnose with the information received from the patients, fill out SOAP, read a CT scan, do a physical exam on adults and infants, and other tasks. The program also widened my knowledge about medications and treatments. For instance, how scientists can identify a group A strep bacteria with just a swab. This attracted me to Biomedical Sciences.

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I hope to address the progressiveness of human diseases and their obscure root-causes and treatments. For instance, there are thousands of people who were unable to survive from lung cancer, because it is typically diagnosed at a severe stage and professionals were not able to treat it. According to Scientific American and Quanta Magazine, although there are technologies established to help detect and treat the lethal diseases, such as a robotic bronchoscope to know whether one’s lung is cancerous and a vagina on a chip to examine drugs against bacterial vaginosis, they still cannot prevent one from being afflicted with the disease. As a result, I aim to research intensely to understand everything important about various diseases, specifically the cardiovascular, so that people can treat them.

In addition, I participated in organizational activities, such as the Student Council. I learned how to think creatively when I became a group leader for the new tenth graders in the Student Orientation Program. At first, when the students did not want to get involved in the activities, I only thought of activities that I’d also done during my own orientation program. But when I asked the other group leaders for advice, they told me to think outside the box, do ‘atypical’ activities. This brought me to Mafia, charades, and cheer, which made them get familiar with each other. Apart from that, I presented our programs in front of a batch of students, discussed and arranged school events with others, and became a host in a Virtual Student Exchange Program, which I never imagined I could do. These skills will absolutely assist me in medicine, because doctors are occasionally subject to do presentations to professors and others and lead a team consisting of nurses and other medical personnels in a surgery, etc.

Additionally, I joined a couple of essay competitions – such as SejutaCita National Essay Competition and John Locke Institute Essay Contest – and volunteered as a Head of Content Writer in a youth-driven organization in which I wrote content on globally trending issues like burnout, womens’ equality, FOMO, and so on. These activities made me interested in essay writing and jumpstarted my blog, in which I explore different views revolving around the life of adolescents to adults, while evincing how admirably our body is formed.

The University of Hong Kong’s renowned Biomedical Sciences program interests me because …. I am certain that the university can help me master this major, because students will gain exposure to a vast range of learning experiences, such as problem-based learning, laboratory activities, researching, etc. HKU also bolsters students’ career in research and development particularly through the Summer Internship Program – which allows students to go on an exchange with leading universal institutions. There they get to work with researchers of the faculty, do laboratory research, and undergo a workplace in Biomedical Sciences outside the university. At last, there are a number of student organizations like the Biomedical Sciences Society that I would like to be a part of. I am incredibly excited to join the crowd, share diverse topics with them, and undergo the years of Biomedical Sciences with them. Hence, it is without doubt that The University of Hong Kong could assist me to completely understand the relation of human, health, and disease, figure out appropriate treatments for various diseases, and overall to become a dedicated biomedical scientist.

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