

YESEOM (KAYLEY) CHO

Advice

Success is not a random act. If you put the effort and step out of your comfort zone, you will be able to seize the opportunity.

When I stepped out of my comfort zone and reached out to my professor, I was able to have the research experiences during my freshman year. When you have questions about anything, you can visit CUE, or reach out to any faculty members and professors. Although you don't have any research experiences, you can do anything if you have your motivation and passion. Once again, do not be afraid to start something new.

Current Research

There are still 85 incurable diseases such as HIV, Alzheimer's, and late-stage cancer in the current world. About 9.6 million people currently die due to cancer, and 38 million people are living with HIV disease.

To be able to treat incurable disease, researchers use siRNA (small interfering RNA) that can degrade the specific mRNA and prevent it from becoming a protein, which also means, silencing the disease. In contrast, siRNA has some barriers that limit their ability to go inside the cell and silence the disease. To be able to overcome such obstacles, my research group work on synthesizing different types of cell-penetrating peptides. The positively charged cell-penetrating peptide and other types of carriers would help siRNA to overcome their physicochemical properties and other barriers. Overall, my research group studies the effect of the cell-penetrating peptide on the cell, cytotoxicity, and efficiency.



Involvements

- Alpha Gamma Delta
- Student Scholar Ambassador

Awards & Distinctions

- Provost's Scholarship
- SURF Fellow