

International Genetically
Engineered Machine Foundation

What is iGEM?

- iGEM is a foundation that holds the iGEM competition each year for the advancement of synthetic biology!
- Competitions for both high school, college, and enterprenurial level



Competition



- Teams are given a kit of biological parts
- Teams use these parts along with parts of their own making to build a new, operational biological system
- Teams present their projects to compete for prizes



High School iGEM



- Registration in February and Jamboree in June

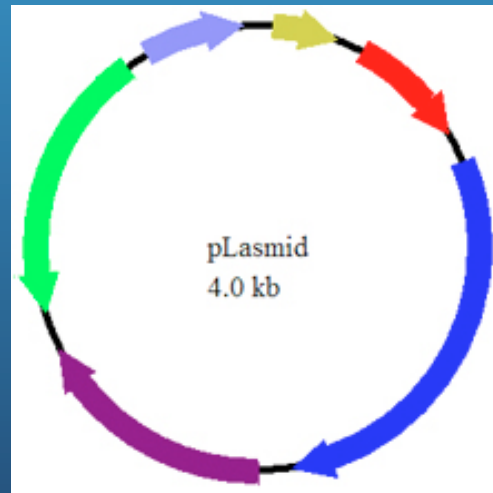
College iGEM

- International competition from most continents



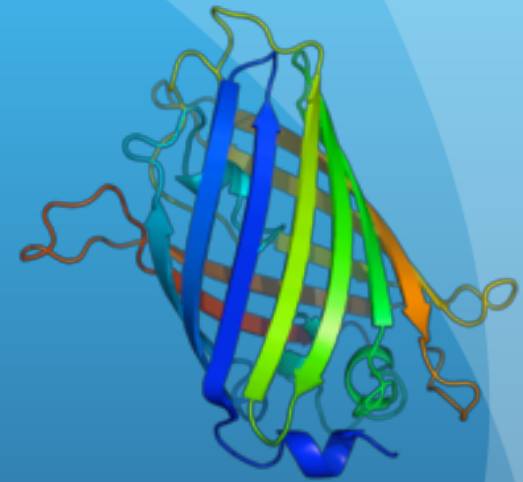
Registry of Parts

- Biobrick- DNA sequence held in a plasmid
- Part of competing in the iGEM competition is submitting a unique biobrick to the Registry.
- iGEM is continuously building a registry of cataloged biological systems!



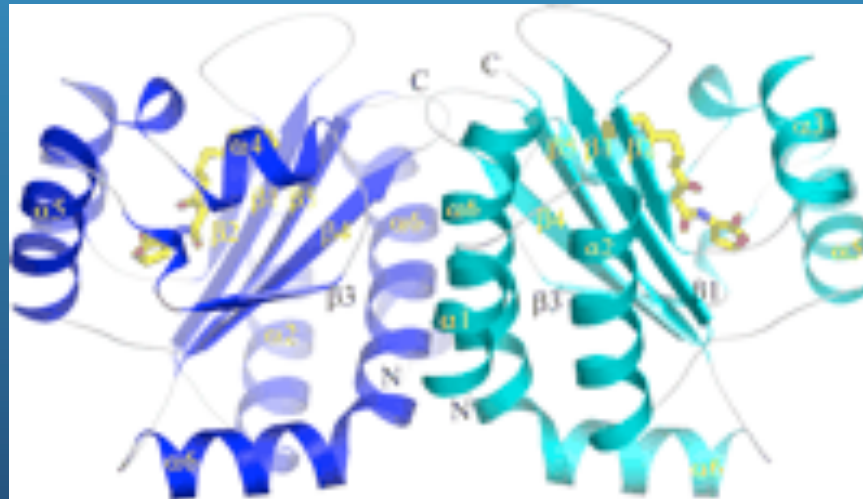
Our Project

- Goal: Make the GFP Switch faster!
- What is a switch?
- Why change the GFP switch?



Our Project

- How do you make it faster?
- What is a fusion protein?
- What is a dimer?



Questions?