

Binding Affinity Prediction of Protein-Ligand using Machine Learning

MSc Project

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1 Biological Background



What are proteins?

- They are complex molecules that are work-horses of a living organism. They are literally machines.
- Proteins are essential for almost every function of a living organism's body. E.g: Movement of muscles, Transportation of oxygen, Digestion, Immune system etc...
- Below are 2 proteins - Hemoglobin(Left) and Motor Proteins(Right). Notice their shapes are different.



Hello

