

Protein Engineering

Proteins are functional biomolecules that have various functions such as molecular recognition ability, molecular binding ability, reaction catalytic ability, signal transmission ability, electron transfer ability, and molecular transport ability. However, when utilizing such protein molecules, there are many cases where natural proteins do not have sufficient performance in terms of stability, functionality, etc. In this lecture, chemical modification, enzymatic modification, genetic engineering modification, etc. Understand technology-based protein stability and functional improvement, molecular modification for functional complexing, and molecular construction technology.