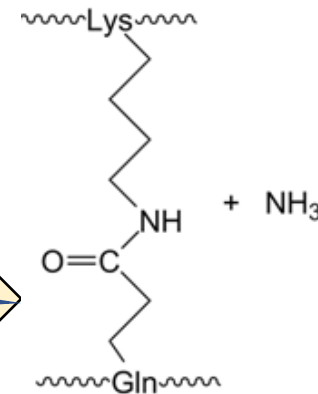
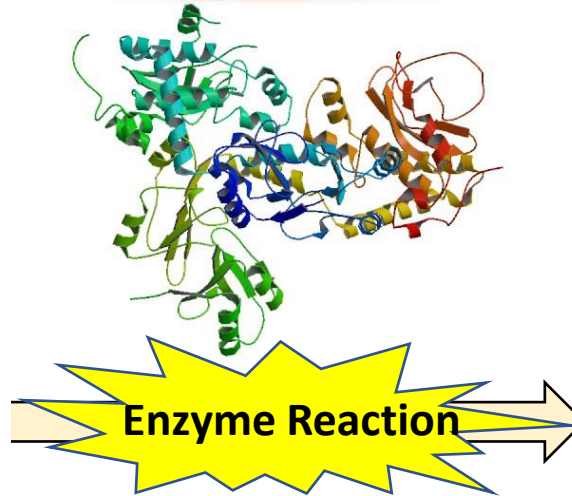
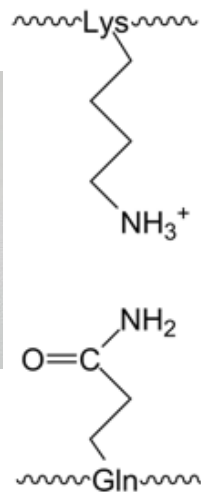


A mysterious enzyme that can connect proteins

○Hikaru Nakazawa (Tel: 022-795-7276, e-mail: hikaru@tohoku.ac.jp)

Tomoyuki Ito (Tel: 022-795-7275, e-mail: tomoyuki.itou.b2@tohoku.ac.jp)

Transglutaminase



60~65% weight of human body is composed of water, and the other half is made of protein. Proteins are synthesized via transcription of genes to mRNA, translation mRNA into amino acid sequences, and then folding of the amino acid sequences. Therefore, proteins have a structure with various diversities in theory such as skeletal structures like muscles, enzymes and antibodies. In this study, we investigate to understand transglutaminase deeply by connecting various plant and animal protein.