

COURSE: Protein Sciences
Summer Program

COURSE TUTOR

Associate Professor: Yoichi Sakakibara, Faculty of Agriculture,
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COURSE OVERVIEW

The final phenotype of a protein is not solely determined by the nucleotide sequence of its gene but also by various covalent modifications that certain amino acids could undergo after ribosomal protein synthesis. These “post-translational modifications”, eg. Sulfation, phosphorylation, glycosylation etc. do alter the properties of the original protein and hence their physiological function and therefore plays an important role in the biochemistry of proteins.

This course will focus on the “post-translational modifications by tyrosine sulfation”. This modification can be catalyzed by tyrosylprotein sulfotransferase. We will study about enzymology and molecular biology of this enzymes, with recent informations.

TEXTBOOKS AND READINGS

No textbooks are required.

COMMUNICATIONS

The course tutor’s details are as follows:

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