

CBC SEMINAR ANNOUNCEMENT



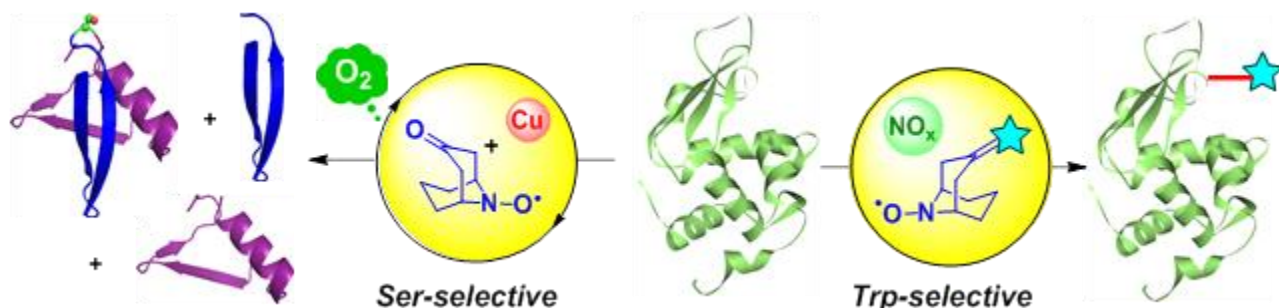
Professor Kounosuke Oisaki
The University of Tokyo

Chemoselective Protein Modifications Based on Organoradicals

Chemical modification of peptides and proteins targeting naturally occurring amino acid residues opens up a wide range of applications such as modulation/tracking of biological phenomena, creation of biocompatible materials and new therapeutics. However, there is a considerable shortage of methods to convert proteins with high flexibility and selectivity.

Recently, we have developed two kinds of reaction systems that proceed with proteinogenic amino acid (serine or tryptophan) selectivity. In the course of research, we strategically focused on organic radical species that exhibit high reactivity and functional group tolerance.

In this lecture, I am willing to share our research background, recent progress and potential applications of the novel reactions.



Date: 6th June 2017 (Tuesday)
Time: 3:00pm – 4:30pm
Venue: SPMS Research & Graduate
Studies Office Conference Room
Host: Asst Professor Rei Kinjo