



Artificial Metalloenzymes for *in vivo* Catalysis: Challenges and Opportunities

Prof. Dr. Thomas R. Ward

Department of Chemistry, University of Basel, Switzerland



Prof. Ward is a professor at University of Basel and the director of the National Competence Center in Research "Molecular Systems Engineering". His research involves development of artificial metalloenzymes comprised of a synthetic metal complex and a protein scaffold. So far, he has developed various artificial metalloenzyme catalyzing transfer hydrogenation, C-H activation, metathesis, Suzuki cross coupling, oxygen insertion, allylic alkylation, and more. He also pioneered the directed evolution of artificial metalloenzyme and *in vivo* abiotic reactions. In this seminar, his recent progress of artificial metalloenzymes will be presented.

2023. **11.17** **FRI** 15:30~16:30

Venue: Seminar room at FRIS

Organizer: FRIS, TI-FRIS, GP-Chem, Dept. Chem. Tohoku Univ.
Co-organizer: Transformative Research Area(B) SPEED
Contact: Dr. Yasunori Okamoto (yasunori.okamoto@tohoku.ac.jp)



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