

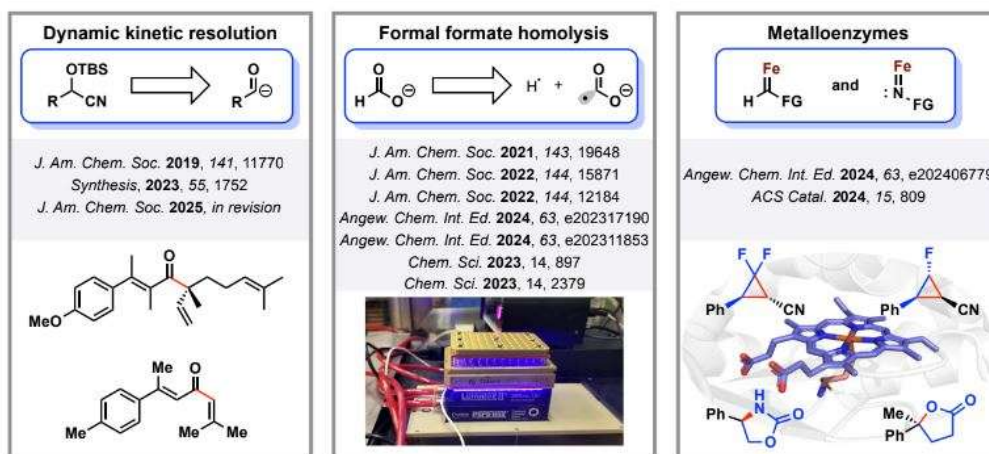
Seminar

Controlled Reactive Intermediates: New Methods in Alkene Resolution, Photocatalysis, and Biocatalysis

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This seminar will present three innovative strategies for controlling reactive organic intermediates to enable new synthetic methods: (1) a novel kinetic and dynamic kinetic resolution of highly substituted alkenes, with mechanistic insights into selectivity; (2) a new synthetic logic that employs formate as a formal source of hydrogen atoms and carbon dioxide radical anions, unlocked through photocatalytic activation of the formate C–H bond, with applications in alkene functionalisation, including C–C bond formation and deoxygenation reactions; and (3) bio-catalytic approaches using engineered metalloenzymes for the highly selective, asymmetric synthesis of complex molecules.



Thursday, Aug 28th 2025

16:00 Hrs (Tea / Coffee 15:45 Hrs)

Auditorium, TIFRH