

EXPANDING THE BORDERS OF CHEMICAL REACTIVITY

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The lecture will demonstrate how organocatalysis has made it possible to expand the classical cycloadditions involving 6π -electrons, to now being able to control peri-, diastereo- and enantioselectivity for cycloadditions involving more than 6π -electrons – higher-order cycloadditions. The expanding of chemical reactivity will be extended to novel concepts for organocatalytic oxidative coupling reactions.