“Enantioselective Halogenations via Chiral Amine Catalysis.”

Résumé: Stereoselective construction of halogenated chiral carbon center is an important synthetic operation because of high utility of fluorinated compounds in medicinal chemistry and also the fact that chiral halides are recognized as useful synthetic intermediate. Our research group are highly interested in developing new methods for enantioselective halogenation reactions. I will introduce our recent results on the asymmetric halogenation with chiral amine catalyst at the seminar; e.g. enantioselective halogenation of aldehydes via enamine catalysis1 and decarboxylative chlorination of β-keto acids.2