

化学科講演会のお知らせ

講演題目： "Carbocyclization of Carbonydrates: Syntheses of Calistegines, Cocaine, and SGLT2 Inhibitors "

講師： Professor Tony Kung Ming Shing
(The Chinese University of Hong Kong)

日時： 7月23日 (木)

午後3時より

場所： 南7号館7階セミナー室

Summary: Carbohydrates, inexpensive and rich in stereochemistry, are Nature's gifts to the synthetic organic chemists. Our research focuses on carbocyclization of sugars, i.e. the conversion of simple, readily available monosaccharides into hydroxylated carbocycles with pharmaceutical potential. Several key reactions will be presented in the seminar to illustrate such transformation namely intramolecular Watsworth-Emmon-Horner olefination and [p4s+ p2s] cycloaddition, namely intramolecular nitrone-alkene cycloaddition. These protocols provide facile entries to 6 and 7-membered hydroxylated carbocycles in enantiomerically pure forms which then could be further elaborated into target molecules.

問い合わせは秋山まで