

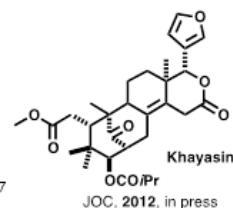
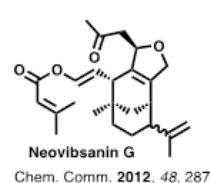
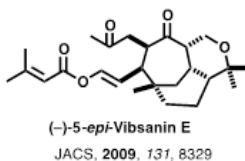
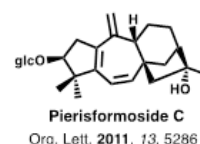
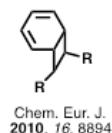
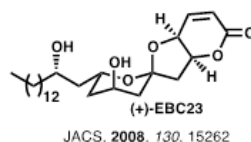
CBC SEMINAR ANNOUNCEMENT



Professor Craig Williams
University of Queensland

Natural Product Total Synthesis And What We Learned In-Between

Human health and agriculture have benefitted greatly from natural products, or derivatives thereof, in terms of both medicines in the clinic and the control of crop pests. Behind the scenes natural product total synthesis (or derivatisation) is an absolute requirement to confirm structure and manipulate these often complex molecules. Omnipresent in this field are opportunities to provide student training and stimulate academic learning. Often, however, natural product total synthesis projects are fraught with much difficulty for exemplar reasons such as literature chemistry failing to deliver, or simply because the chemical methodology is currently unavailable to achieve the desired transformation (i.e. functional group interconversion). The adventures of working on natural product targets, such as above (Figure 1), highlight these points and the lecture will detail successful and unsuccessful encounters along with aspects of physical organic and organometallic chemistry used to address these situations.



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Date: 29th October 2012 (Monday)
Time: 2:30pm – 4:00pm
Venue: NTU SPMS CBC Building Level 2, Conference Room
Host: Assoc Professor Roderick Bates