

CBC SEMINAR ANNOUNCEMENT

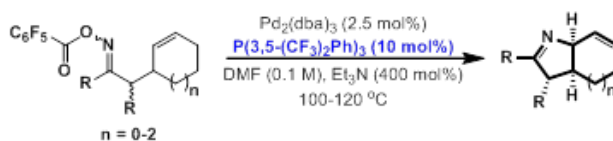


Professor John Bower
University of Bristol

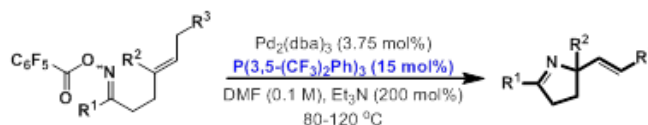
Catalytic Chirality Generation: New Strategies for *N*-Heterocyclic Chemistry

Recent studies from our laboratory aimed at generating chiral *N*-heterocyclic scaffolds will be presented. The talk will focus upon the Pd(0)-catalysed cyclisation of oxime esters with alkenes (the Narasaka-Heck reaction)¹ as a means of accessing a variety of chiral and enantioenriched cyclic imines.^{2,3} Synthetic and mechanistic aspects of the chemistry will be discussed.

Pd-catalysed cyclisations involving cyclic alkenes



Pd-catalysed cyclisations involving 1,1-disubstituted alkenes



References

1. M. Kitamura and K. Narasaka, *Chem. Rec.* **2002**, *2*, 268.
2. A. Faulkner and J. F. Bower, *Angew. Chem. Int. Ed.* **2012**, *51*, 1675.
3. A. Faulkner, J. S. Scott and J. F. Bower, *Unpublished results*.

Date: 26th November 2012 (Monday)
Time: 2:30pm – 4:00pm
Venue: NTU SPMS CBC Building Level 2,
 Conference Room
Host: Professor Koichi Narasaka