

Research Seminar

**Thursday, 22 Nov
2018**

11.00am

**MD1-08-01E
Seminar Room 1**

Hosted by A/P Zhao Yu

Metal catalysis: new reactions designed for the efficient synthesis of natural products

**By Prof Tim Donohoe
University of Oxford**

Appointment

2006 – 2011 Head of Organic Chemistry, University of Oxford

2004 – present Professor of Chemistry, Magdalen College and the University of Oxford

2001 – 2004 Lecturer in Chemistry, Magdalen College and the University of Oxford

2000 – 2001 Reader in Chemistry, University of Manchester

1994 – 2000 Lecturer in Chemistry, University of Manchester

Education

1993 – 1994 Post doctoral research with Prof. P. D. Magnus FRS on the synthesis of Taxol and its deoxy derivatives using an intramolecular pyrylium ylide cycloaddition approach, resulting in 5 publications.

1989 – 1992 D.Phil, Oxford University, under the supervision of Prof. S. G. Davies entitled Chiral Oxonium Ions, resulting in 5 publications.

1985 – 1989 BSc (Hons) first class, University of Bath

Awards

2015 Editor of Tetrahedron Letters

2014 EPSRC Established Career Fellow

2014 Royal Society of Chemistry: Charles Rees Award

2012 AstraZeneca, GlaxoSmithKline, Pfizer & Syngenta Prize for Process Chemistry Research

2011 Royal Society of Chemistry: Synthetic Organic Chemistry Award

2006 Royal Society of Chemistry: Corday-Morgan Medal

Abstract

This lecture will cover the development of new catalytic methods that activate organic molecules by redox processes, and in particular for the use of hydrogen borrowing catalysis to prepare valuable organic compounds in an efficient manner.