

Liebig-Lectureship

der Liebig-Vereinigung für Organische Chemie
in der Gesellschaft Deutscher Chemiker



Oktober 2014

Prof. David J. Procter

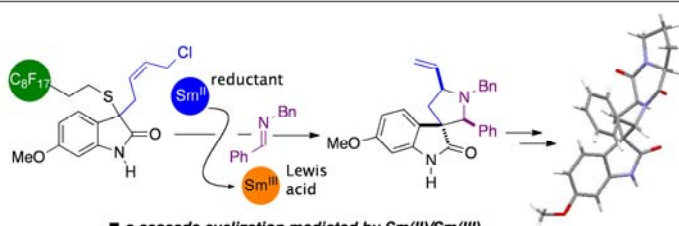
University of Manchester, United Kingdom

Designing radical cyclization cascades: New methods for target synthesis

My group aim to introduce and exploit new synthetic concepts for the efficient construction and modification of molecules with important properties.^[1] For example, we are synthesizing new antibacterial agents to address the global problem of resistance to antibiotics,^[2] preparing natural product analogues using innovative tagging-strategies in the search for new cancer treatments,^[3] developing metal-free cross-coupling technology,^[4] exploring new catalytic processes,^[5] and developing new organic materials for applications in organic electronics and energy industries.^[6]



■ a cascade cyclization mediated by Sm(II)



■ a cascade cyclization mediated by Sm(II)/Sm(III)

[1] *J. Am. Chem. Soc.* **2008**, *130*, 1136; *J. Am. Chem. Soc.* **2009**, *131*, 7214; *Nat. Protocol* **2012**, *7*, 970; *Angew. Chem. Int. Ed.* **2013**, *52*, 12559; *J. Am. Chem. Soc.* **2009**, *131*, 15467; *J. Am. Chem. Soc.* **2011**, *131*, 2418; *J. Am. Chem. Soc.* **2012**, *134*, 12751; *J. Am. Chem. Soc.* **2014**, *136*, 8459; *J. Am. Chem. Soc.* **2014**, *136*, 2268; *J. Am. Chem. Soc.* **2013**, *135*, 15702; *Angew. Chem. Int. Ed.* **2013**, *52*, 7237. [2] *Angew. Chem. Int. Ed.* **2009**, *48*, 9315; *Chem. –Eur. J.* **2013**, *19*, 6718. [3] *Angew. Chem. Int. Ed.* **2005**, *44*, 452; *Org. Biomol. Chem.* **2011**, *9*, 5104. [4] *Angew. Chem. Int. Ed.* **2013**, *52*, 4008. [5] *Org. Lett.* **2014**, *16*, 476. [6] *Org. Lett.* **2014**, *16*, 2292.

David John Procter was born in Leyland in Lancashire, England. He obtained his BSc in Chemistry from the University of Leeds in 1992 and his PhD in 1995 working with Professor Chris Rayner on the asymmetric oxidation of sulfides with novel selenoxide salts. He then spent two years as a postdoctoral research associate with Professor Robert Holton at Florida State University in Tallahassee, USA working on the synthesis of analogues of the anticancer agent Taxol. In late 1997 he took up a Lectureship at the University of Glasgow in Scotland and was promoted to Senior Lecturer in February 2004. In September 2004, he moved to a Readership at the University of Manchester. David was promoted to Professor in October 2008 and is currently Head of Organic Chemistry. Amongst his awards, David was awarded the 2014 Bader Award from the Royal Society of Chemistry, has held a Visiting Professorship at the University of Münster, and is currently a Leverhulme Trust Research Fellow.

Montag, 20. Oktober 2014
Dienstag, 21. Oktober 2014
Donnerstag, 23. Oktober 2014
Freitag, 24. Oktober 2014
Montag, 27. Oktober 2014
Dienstag, 28. Oktober 2014
Mittwoch, 29. Oktober 2014

LMU München
Freie Universität Berlin
Universität Gießen
Universität Köln
Universität Münster
Universität Bonn
Universität Duisburg-Essen

Die Liebig-Vereinigung für Organische Chemie richtete 1999 eine Vortragsreihe – die Liebig-Lectureship – für herausragende ausländische Vertreter der organischen Chemie ein. Die Liebig-Lectureship wird an exzellente junge Wissenschaftler vergeben. Die Vortragsreihe führt die damit Ausgezeichneten an fünf oder mehr Forschungsinstitute ihrer Wahl.

Eine Veranstaltung der

