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**RSC/ERDF Lecture**

**19<sup>th</sup> February 2013**

**“Total Synthesis of Tetrahydropyran-  
containing Natural Products”**

**Dr Paul Clarke  
University of York**

**Abstract:**

**This lecture will describe the development of the one-pot, multi-component Maitland-Japp reaction for use in the asymmetric synthesis of highly functionalised tetrahydropyran-4-one rings. Its application to the total synthesis of a number of biologically active polyketide natural products will also be presented.**



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