



Pat Guiry Mria

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Biography

Pat Guiry Mria has completed his BSc and PhD from University College Dublin in 1986 and 1990, respectively. He pursued Post-doctoral Research with John M Brown, FRS at Oxford University 1990-1993 and was appointed as a College Lecturer in UCD in 1993. He has been full-time Professor at UCD since 2006 and is the Director of the Centre for Synthesis and Chemical Biology (2001-present) and was elected as a Member of the Royal Irish Academy in 2013. He has more than 130 publications that have been cited over 5650 times and has supervised 47 PhD students.

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RECENT ADVANCES IN ASYMMETRIC (GREEN) CATALYSIS

This presentation will describe the design and synthesis of novel ferrocene-containing diols **1** as a novel scaffold for asymmetric catalysis and the novel axially chiral PN ligand, UCD-PHIM and its applications in A3 coupling. The development of the Pd-catalysed decarboxylative asymmetric protonation for the preparation of α -arylketones will be described, including recent advances in understanding the mechanisms involved in enantiodivergence and protonation with a chiral proton source.

