ICIQ

Institut Català d'Investigació Química

2011

Seminar Program

Av. Països Catalans, 16, Campus Sescelades (St. Pere i St. Pau), Tarragona. Tel. 977920200

New methods based on Zinc and Palladium

Prof. Patrick J. Walsh

University of Pennsylvania (USA)

Wednesday 18th May, 2011. ICIQ Auditorium, 12 p.m.

Professional career

-Advisor Prof. K. Barry Sharpless
-2006 Philadelphia Section Award of the ACS
-2000 – 2005: Camille Dreyfus Teacher-Scholar Award
-1999 – 2000 SDSU Mortar Board Outstanding Faculty Award
-1997 – 2002: National Science Foundation Career Award
-1991-1994 NSF Postdoctoral Fellow Postdoctoral, The Scripps Research Institute
-1991 - 1993: National Science Foundation Postdoctoral Fellowship
-1991 Ph.D in Chemistry, University of California, Berkeley
-1986 - 1987: Chemistry Fellow, University of California, Berkeley
-1986 B.A. in Chemistry, University of California, San Diego

Research Interests

Research in the Walsh group merges the fields of catalysis and organic and inorganic synthesis with the goal of achieving new catalytic asymmetric transformations for the synthesis of chiral building blocks. The transformations we have chosen to study are asymmetric C-C and C-O bond forming reactions, because construction of these bonds lies at the very heart of organic synthesis. We are also interested in the development of tandem reactions that combine several steps in a single reaction vessel.
By introducing tandem reactions, we can increase synthetic efficiency while reducing the number of purification steps necessary.