JIN-QUAN YU

The Scripps Research Institute, Department of Chemistry
La Jolla, California

Title of Lecture: "Enantioselective and Remote C–H Activation Reactions"

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Education:

1999	Ph.D., Chemistry, University of Cambridge
1990	M.S., Chemistry, Guangzhou Institute of Chemistry
1987	B.S., Chemistry, East China Normal University

Research and Professional Experience

2012 - present	Frank and Bertha Hupp Professor of Chemistry, The Scripps Research Institute
2010 - 2012	Professor of Chemistry, The Scripps Research Institute
2007 - 2010	Associate Professor of Chemistry, The Scripps Research Institute
2004 - 2007	Assistant Professor of Chemistry, Brandeis University
2003 - 2004	Royal Society Research Fellow, University of Cambridge
2001 - 2002	Postdoctoral Fellow, Harvard University (E. J. Corey)
1999 - 2001	Junior Research Fellow (JRF) of St. John's College, University of Cambridge

Honors and Awards

Royal Society of Chemistry Pedler Award, 2017
MacArthur Fellowship, 2016
Elias J. Corey Award, American Chemical Society, 2014
Raymond and Beverly Sackler Prize in the Physical Sciences, 2013
Fellow of American Association for the Advancement of Science, 2012
Fellow of the Royal Society of Chemistry, 2012
Mukaiyama Award, Society of Organic Synthesis, Japan, 2012
ACS Cope Scholar Award, 2012
Bristol-Myers Squibb Award, 2012
Novartis Early Career Award in Organic Chemistry, 2011
Hirata Memorial Lectureship Medal, Nagoya, 2010
Distinguished Faculty Award of Chinese-American Chemistry & Chemical Biology Professors Association, 2009
Eli Lilly Grantee Award, 2008
Amgen Young Investigator's Award, 2008
Sloan Research Fellowship, 2008
Journal Award for Synlett & Synthesis, 2006
Camille and Henry Dreyfus New Faculty Award, 2004
Royal Society University Research Fellowship, 2003
Fellowship of St John's College, University of Cambridge (JRF), 1998
Sino-British Scholarship by British Council and Education Ministry of China, 1994
President Award for Outstanding Students of Chinese Academy of Sciences, 1990

Research Interests

Research in Professor Yu's group focuses on developing C–H activation reactions to provide new disconnections for asymmetric synthesis and catalytic processes. In the past 15 years, he has developed new ligands and strategies to achieve enantioselective and remote C–H activation reactions of synthetically relevant substrates (190 publications on C–H activation). C–H activation reactions developed in his laboratory have been used in pharma industry including BMS, Pfizer, Vertex, Novartis, AbbVie, GSK, Genentech, Boehringer Ingelheim, Amgen, Abide and Eisai. He has also co-founded a drug discovery company, Vividion, to exploit the power of C–H activation technologies.