

Prof. Pierre H. Dixneuf

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<http://scienceschimiques.Univ-rennes1.fr/catalyse/personnels/interface/PHD.htm>

Key events and positions

Since 2000 Member of the « **Institut universitaire de France** »
2001 vice president for research of the university of Rennes jan 2001-Dec 2004
1996-1999 Deputy Director of CNRS-Chemistry Headquarters in Paris

Scientific activity

Research at the boundary of metal complexes and catalysis

>460 papers in international journals >60 since 2012
8 patents, 6 books (ruthenium fine chemistry, 2004 Springer, vinylidene & allenylidenes, 2008 Wiley, Metal-Catalysed reactions in water, 2013 Wiley, Ruthenium in Catalysis, 2014 Springer, Activation of C-H bonds and catalytic functionalisation, Springer, vol 1 2015, vol 2 2016)

Awards and Distinctions

1990 A. von Humboldt prize for Research	1991 Grignard-Wittig Prize (Germany)
1994 Académie des Sciences award	1996 Doctor Honoris Causa, Waterloo, Canada
2000 Prix Le Bel (French Chemical Society)	2000 Member of the « Institut universitaire de France »
2005 Honorary prof Anhui Normal University	2006 Grand prix IFP académie des sciences
Sacconi medal (Italy)	2014 Prix Catalan of the Spanish Chem Society
2014 Prize of the Chinese Chemical Society	2014 Member of European Academy Sciences
2014 Honorary professor of Jinan University	2018 Honorary prof Nanjing Tech University

National responsibilities

1995 Elected Member of the National Committee of the CNRS (95-96), nominated 2000-04
1996 Deputy director for CNRS-Department of Chemical Sciences in Paris (nov 96-Dec 99)

University responsibilities

Director of a CNRS research unit "organometallics and catalysis 86-99
Initiator and first Director of l'Institut de Chimie de Rennes 1.1.2000/31-3-02
[Vice president for research of the university of Rennes jan 2001-Dec 2004](#)
Initiator of the European ERASMUS student exchange program in Rennes 88-96.

European research Networks

- French representative for European Program COST chemistry 1998-2001
- French member of THE European Network of Excellence IDECAT starting February 2005

Invited professor positions/ International seminars/ Consulting for research

Chapel hill, Waterloo, Florence, Moscow, Auckland
Lanzhou univ (4-09), SIOC Shanghai (9-09), Wuhan (11-13); SCUT Guangzhou (16-10)
Beyrouth (11-09), Heidelberg (11-09),
Advisory board Max-Planck institute Muelheim, Germany (2005-11)
Coorganisor of International workshops (China-France, 2005, 2006, 2008),
International Advisory boards ICOMC, OMCOS, ICCOS, C-H activation symposium
Coorganisor of ICOMC July 2008 Rennes: 1200 attendants
Brasil Co-organisor Brazil-France seminar on catalysis Angra dos Reis, 18-23 October 2015
Member of a Bilateral France Germany lab Rennes-Rostock Bruneau-Beller
University, CAS center evaluations in China 2013-12, 2017-10, 2017-11

Journal Advisory, Editorial boards

Previously Organometallics, Chemical Communications, Advances in Synthesis and Catalysis 00-10
since 1997 Editor board member of "Topics in Organometallic Chemistry" series, Springer
2010- Editorial board Green Chemistry

Research topics

- Carbon-rich organometallics and new molecular architectures
- Homogeneous catalysis especially with ruthenium catalysts for alkyne and alkene activation
- C-H bond activation/functionalization from ruthenium to copper catalysts
- Metal catalysis in water and for green chemistry