

PETER CHEN

ETH Zurich, Laboratory of Organic Chemistry (LOC)
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Title of Lecture: *“Catalytic Electrophilic Cyclopropanation without Diazo Compounds: De Novo Mechanistic Design and a Historical Twist”*

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Education:

1987 Ph.D., Chemistry, Yale University

1982 S.B. with special honors, Chemistry, University of Chicago

Research and Professional Experience

April 1, 1987 - Dec. 31, 1987	Research Associate, Chemical Engineering, Yale University
Jan. 1, 1988 - June 30, 1991	Assistant Professor of Chemistry, Harvard University
July 1, 1991 - Aug. 31, 1994	Associate Professor of Chemistry, Harvard University
Sept. 1, 1994 - present	ord. Professor für Physikalisch-Organische Chemie, ETH Zurich
Jan. 1, 1998 - Dec. 31, 1999	Chair, Laboratorium für Organische Chemie, ETH Zurich
Sept. 1, 2007 - Sept. 30, 2009	Vice-President for Research and Corporate Relations, ETH Zurich

Awards

1982-1985	NSF Predoctoral Fellow
1982-1986	Pfizer Fellow (Yale)
1987	Wolfgang Prize (Yale)
1987-1990	Shell Faculty Fellow
1988	Camille and Henry Dreyfus Distinguished New Faculty Fellow
1988-1993	NSF Presidential Young Investigator
1988-1993	David and Lucile Packard Fellow
1990	Camille and Henry Dreyfus Teacher-Scholar
1991-1993	Alfred P. Sloan Research Fellow
1993	Arthur C. Cope Scholar Award (ACS)
1999	John L. Pratt Lectureship, University of Virginia, Charlottesville VA, USA
2000	Charles M. Knight Lectureship, University of Akron, Akron OH, USA
2001	David Ginsburg Memorial Lectureship, Technion, Haifa, Israel
2002	Jerome A. Berson Lectureship, Yale University, New Haven CT, USA
2004	SFB Visiting Professorship, Ruprecht-Karls-Universität Heidelberg, Germany
2005	Goldene Eule (teaching prize at the ETH)
2006	Stanley Cristol Lectureship, University of Colorado, Boulder CO, USA
2006	Paul G. Gassman Lectureship, University of Minnesota, Minneapolis MN, USA
2011	Karl Ziegler Lectureship, Max-Planck-Institut für Kohlenforschung, Mülheim, DE
2014	Schulich Visiting Professor Lectureship, Technion, Haifa, Israel

Research Interests

Physical organic chemistry of organic and organometallic reactive intermediates in the gas phase and solution. Structure-activity relationships. Kinetic and thermochemical determinations by spectroscopic methods. Computational chemistry. Laser spectroscopy, photoionization mass and photoelectron spectroscopy. Ion-molecule reactions of organometallic reactive intermediates by electrospray ionization tandem mass spectrometry. Design and synthesis of clean precursors to radicals, biradicals, and carbenes. Design and optimization of new organometallic catalysts. High-throughput screening of catalysts. Mechanisms of homogeneous catalysis. Nonlinear dynamics in chemical reactivity.