

**K. BARRY SHARPLESS, PHD**     **organic/inorganic chemist**

W. M. Keck Professor of Chemistry  
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**CURRENT RESEARCH**

modular click chemistry  
*in situ* click assembly in biological hosts  
homogeneous Os, Ru, & Rh oxidation catalysts  
transition metal-catalyzed asymmetric processes

**BIOGRAPHICAL**

born Philadelphia, Pennsylvania, 1941  
BA, Dartmouth College (T. A. Spencer), 1963  
PhD, Stanford University (E. E. van Tamelen), 1968  
postdoctoral, Stanford University (J. P. Collman), 1968  
postdoctoral, Harvard University (K. Bloch), 1969

**CHEMISTRY FACULTIES**

Massachusetts Institute of Technology, 1970-7, 1980-90  
Arthur C. Cope Professor, 1987-90  
Stanford University, 1977-80  
The Scripps Research Institute, W. M. Keck Prof, 1990 —  
Skaggs Institute for Chemical Biology of TSRI, 1996 —  
Kitasato University, Visiting Professor, 2002 —

**ELECTED FELLOWSHIPS & MEMBERSHIPS**

American Assn for the Advancement of Science, 1984  
American Academy of Arts & Sciences, 1984  
National Academy of Sciences, 1985  
Royal Society of Chemistry (Hon.), Great Britain, 1998  
Kitasato Institute (Hon), Japan, 2002

**AWARDED FELLOWSHIPS**

National Science Foundation Doctoral Fellow, 1963  
National Institutes of Health Postdoctoral Fellow, 1968  
A. P. Sloan Foundation Fellow, 1973  
Camille and Henry Dreyfus Foundation Fellow, 1973  
Sherman Fairchild Foundation Fellow, CalTech, 1987  
Simon Guggenheim Foundation Fellow, 1987

**HONORARY DOCTORATES**

Dartmouth College, 1995  
Royal Institute of Technology, Stockholm, 1995  
Technical University, Munich, 1995  
Catholic University of Louvain, Belgium, 1996  
Wesleyan University, 1999  
National Taiwan Normal University, Taipei, 2004

**AMERICAN CHEMICAL SOCIETY AWARDS**

Award for Creative Work in Organic Synthesis, 1983  
Arthur C. Cope Scholar, 1986  
Harrison Howe Award, Rochester Section, 1987  
Remsen Award, Maryland Section, 1989  
Arthur C. Cope Award, 1992  
San Diego Scientist of the Year, San Diego Section, 1992  
Roger Adams Award in Organic Chemistry, 1997  
Top 75 Contributors to the Chemical Enterprise, 1998  
Richards Medal, Northeastern Section, 1998  
Carothers Award, Delaware Section, 1999

**OTHER AWARDS**

Allan Day Award, Philadelphia Organic Chemists Club, 1985  
Dr. Paul Janssen Prize, Belgium, 1986 (1st recipient)  
Prelog Medal, ETH, Switzerland, 1988  
Sammet Award, G the University, Frankfurt-am-Main, 1988  
Chemical Pioneer Award, American Institute of Chemists, 1988  
Scheele Medal, Swedish Academy of Pharma Sciences, 1991  
Tetrahedron Prize (with Nyori), 1993  
Centenary Lectureship Medal, Royal Society of Chemistry, 1993  
Cliff Hamilton Award, University of Nebraska, Lincoln, 1995  
King Faisal Prize for Science, Saudi Arabia, 1995  
Microbial Chemistry Medal, Kitasato Institute, Tokyo, 1997  
Harvey Science & Technology Prize, Israel Inst of Tech, 1998  
Rylander Award, Organic Reactions Catalysis Society, 2000  
Chemical Sciences Award, National Academy of Sciences, 2000  
Chirality Medal, Italian Chemical Society, 2000  
Rhone Poulenc Medal, Royal Society of Chemistry, 2000  
Benjamin Franklin Medal, Franklin Institute, Philadelphia, 2001  
Wolf Prize (with Kagan & Noyori), Weizmann Institute, 2001  
John Scott Medal Award, City of Philadelphia, 2001  
ISI Highly Cited Researchers Database, original member, 2001  
Nobel Prize in Chemistry (with Knowles & Noyori), 2001  
Distinguished Professor (Hon), Hong Kong Polytechnic  
University, Hong Kong, 2002  
Professor (Hon), Shanghai Institute of Organic Chemistry, 2004

**JOURNAL EDITORIAL/ADVISORY BOARDS**

*Advanced Synthesis & Catalysis*  
*Beilstein Journal of Organic Chemistry*  
*Bulletin of the Chemical Society of Japan*     *Chirality*  
*Current Opinion in Drug Discovery & Development*  
*Current Drug Discovery Technologies*     *Enantiomer*  
*Organic Letters*     *Synlett*