

A Brief Biography of Dr. Stephen L. Buchwald

Stephen L. Buchwald was born (1955) in Bloomington, Indiana. He received his Sc.B. degree from Brown University in 1977 where he worked with Kathlyn A. Parker and David E. Cane at Brown University as well as Professor Gilbert Stork at Columbia University. He entered Harvard University as a National Science Foundation Predoctoral Fellow in 1977 and received his Ph.D. in 1982.

His thesis work, with Jeremy R. Knowles, concerned the mechanism of phosphoryl transfer reactions in chemistry and biochemistry. He then was a Myron A. Bantrell postdoctoral fellow at Caltech with Professor Robert H. Grubbs where he studied titanocene methylenes as reagents in organic synthesis and the mechanism of Ziegler-Natta polymerization. In 1984 he began as an assistant professor of chemistry MIT. He was promoted to the associate professor (1989) and to Professor (1993) and was named the Camille Dreyfus Professor in 1997.

During his time at MIT he has received numerous honors including the Harold Edgerton Faculty Achievement Award of MIT, an Arthur C. Cope Scholar Award, the 2000 Award in Organometallic Chemistry from the American Chemical Society, a MERIT award from the National Institutes of Health. He has also been the recipient of the Bristol-Myers Squibb Distinguished Achievement Award and the CAS Science Spotlight Award, both received in 2005 and the American Chemical Society's Award for Creative Work in Synthetic Organic Chemistry as well as the Siegfried Medal Award in Chemical Methods which Impact Process Chemistry, both received in 2006.

In 2000, he was elected as a fellow of the American Academy of Arts and Sciences and in 2008 he was elected as a member of the National Academy of Science. He is the coauthor of over 330 published or accepted papers and 41 issued patents. He was the most cited chemist in the world (per paper) during the period January 1999-June 2009. He serves as a consultant to a number of companies.