

The Pattison Lecturer for 2004-2005

Prof. Lutz Tietze

Director of the Institute of Organic Chemistry
 Georg-August University, Göttingen, Germany

Professional Education

1961 - 1968	Studies in Chemistry at the University of Kiel and Freiburg
31.3.1966	Diploma in Chemistry
15.7.1968	Ph.D. under the guidance of Prof. Dr. B. Franck "Untersuchungen zur gezielten Oxidation von Laudanosolin-Derivaten" (Selective Oxidation of Laudanosolin-Derivatives).
15.9.1969-14.9.1971	Research Associate with Prof. Dr. G. Buechi at the Massachusetts
1974	Research Associate with Prof. Dr. A.R. Battersby at the University of Cambridge, England
9.7.1975	Habilitation at the University of Muenster. Thesis: "Secologanin, Schluesselverbindung in der Biosynthese der Indol-, Ipecacuanha- und Cinchona-Alkaloide. Untersuchungen zur Biogenese und Synthese" (Secologanin, Key Intermediate in the Biosynthesis of Indole-Ipecacuanha and Cinchona-Alkaloids. Biogenesis and Synthesis). Appointment as "Privatdozent"
1977	Professor at the University of Dortmund.
1978 -	Professor (Chair) and Director of the Institute of Organic Chemistry at the Georg-August-University in Göttingen
1983 - 1987 and 1991 - 1995	Dean and Vice Dean of the Faculty of Chemistry at the Georg-August University of Göttingen



Visiting Professorships:

Hamburg (1978); Madison, Wisconsin, USA (1982); Strasbourg, France; (1995); Sydney, Australia (1999); Bologna, Italy (2001); Paris, France (2003).

Awards and Scholarships:

1968 Ph.D.-Award (Fonds of the Chemical Industry); 1969 Fulbright Scholarship; 1969 Liebig Scholarship (Chemical Industry); 1976 Karl-Winnacker Award (Hoechst); 1982 Literature Prize (Fonds of the Chemical Industry); 1987 Honourable Member of the SAIQO (Chemical Society of Argentina); 1990 Member of the Academy of Science, Göttingen; 1991 Fellowship of the Japanese Society for the Promotion of Science; 1991 Fellow of the Royal Society of Chemistry; 1992 Offer of a Chair at the University of Muenster as successor to Prof. B. Franck (declined). 1994 Awarded the title "Doctor honoris causa" of the University of Szeged, Hungary; 2002 Silver Medal from the University of Szeged, Hungary; 2002 Grignard-Wittig-Award from the Société Française de Chimie, France; 2004 Emil Fischer Medal.

Functions:

Since 1978 Director of the Institute of Organic Chemistry, University of Göttingen. Since 1996 Speaker of the Sonderforschungsbereich 416 (Center of Excellence) "Chemische und biologische Synthese und Transformation von Naturstoffen und Naturstoff-Analoga"; since 1997 President of the "Deutscher Zentralverband der Chemie" (Steering Committee of the German Chemical Societies).

Research Fields:

1) Development of selective and efficient synthetic methods (domino reactions, transition-metal-catalyzed transformation, facial selective allylation of ketones). Total synthesis of natural products. Terpenes, steroids, alkaloids, macrolactones, antibiotics, anticancer agents. High pressure chemistry. Combinatorial chemistry in solution and on solid phases.

2) Design of novel cytotoxic compounds and vaccines for a selective treatment of cancer using monoclonal antibodies and ganglioside analogues.

Publications:

Publications: 351; Patents: 29; Books: 2.

[Top](#)