

## **Michael Przybylski, Director, Steinbeis Centre for Biopolymer Analysis and Biomedical Mass Spectrometry**

Michael Przybylski is Professor of Analytical Chemistry and Biochemistry, and Director of the Steinbeis Centre. He studied chemistry and completed his PhD at the University of Mainz, and spent two years as a Visiting Scientist at the National Cancer Institute, NIH/USA. From 1990 – 2013 he has been Chair of the Laboratory of Analytical Chemistry, Department of Chemistry, University of Konstanz. His laboratory has invented numerous methods of biopolymer mass spectrometry, particularly regarding the mass spectrometric determination of biopolymer recognition structures. His current research is focused on applications of mass spectrometry and peptide biochemistry to structure and mechanism of neurodegenerative proteins; pathophysiological protein modification; vaccine chemistry; structure and epitope analysis of therapeutic antibodies; affinity-mass spectrometry of biopolymer interaction epitopes; mass spectrometric elucidation of oligomerisation/truncation pathways and structures of “misfolding”/aggregating proteins. Michael Przybylski has received numerous awards, such as the StDenis Prize in Cancer Research; the Life Science Prize of the German Society for Mass Spectrometry; an honorary doctoral degree of the University of Iasi. He is currently Guest Professor of the Chinese Academy of Sciences, Changchun, and Adjunct Professor of Chemistry of Indiana University, Bloomington, Indiana, USA. He has been member of Scientific Committees of several International Conferences, has been Editor and is Editorial Board member of several International Journals. He has been coordinator of two previous FP5 and FP6 EU projects, and participated at several EU projects. He has published ca. 350 publications in International Journals; 6 monographs/reviews (recent monograph Biopolymer Mass Spectrometry; ca. 30 patents; > 200 invited International Lectures.

### **Education and Degrees**

Studies of Chemistry, University of Mainz	1968 -1975
Diploma in Chemistry, University of Mainz,	1973
PhD , Organic Chemistry, University of Mainz,	1975

### **Academic Appointments**

Visiting Scientist, National Institutes of Health, Bethesda	1977-1979
Research Associate, Dept. Chemistry, University of Mainz	1979-1982
Assistant Professor & Habilitation, University of Mainz	1982-1985
Associate Professor, Institute of Organic Chemistry, University of Mainz	1986-1988
Professor & Director, Laboratory of Analytical Chemistry, University of Konstanz	1989-
Director, Steinbeis Centre for Biopolymer Analysis & Biomedical Mass Spectrometry, Rüsselsheim	2014-

### **Awards and Honors**

St Denis Award in Cancer Research,	1979
Honorary doctoral degree (Dr. h.c.) University of Iasi	2002
Life Sciences Award, German Society of Mass Spectrometry	2004
Löhn Biomedical Award for Clinical Diagnostics	2010

### **Memberships and Professional Functions**

Chairman, German Society for Mass Spectrometry	1998 -2002.
Section Head, German Chemical Society, Konstanz	1991 –1994
Vice Dean, Faculty of Chemistry, University of Konstanz	1991 –1992
Member of Scientific Committee, European Peptide Society Symposium	1998
Adjunct Professor of Analytical Chemistry, Indiana University/USA	2011-
Adjunct Professor of Biochemistry, University of Victoria/Canada	2013-