

BIOGRAPHICAL SKETCH

NAME: **Reiner F. Haseloff**

POSITION TITLE: **Senior Scientist, Leibniz Research Institute of Molecular Pharmacology, Berlin, Germany**



EDUCATION/TRAINING

Humboldt University, Berlin, Germany	Diploma PhD	08/1982 11/1985	Physics Experimental Physics
Academy of Sciences of the GDR, Berlin, Germany	PostDoc Research Scientist	1985-1988 1988-1991	Bioelectronics
Leibniz Research Institute of Molecular Pharmacology, Berlin, Germany	Senior Scientist	since 1992	Biophysics, Pharmacology, Proteomics

A. Contribution to Science

Reiner Haseloff started his scientific career by identifying (biologically relevant) free radicals using EPR spectroscopy and by exploring their reactions in a wide range of biological systems. These investigations were more and more focused on blood-brain barrier(BBB)-relevant models. Further studies included quantitative proteomics techniques, in particular applied to discover changes in the expression of BBB-typical proteins under stress conditions. The role of tight junction proteins at the BBB is examined on the molecular, cellular and systemic level. Moreover, effects of peptides and small molecules are characterized with regard to their potential of regulating the tightness of the BBB, aimed at the development of novel approaches to the therapy of brain diseases.