

Head of Department on Molecular Cell Biology and Gene Therapy at Max-Delbrück-Center for Molecular Medicine (MDC)

CV

1974 Diploma in chemistry at the Humboldt-University Berlin

1980 Doctoral thesis „Comparative analysis of protein pattern of type D retroviruses

1990 Habilitation „Biochemical characterization of prototypes of different retrovirus groups“

1974-1988 Research assistant at the Central Institute of Cancer Research of the Academy of Sciences of the GDR

1982 Visiting scientist at the Free University of Brussels, Belgium (FEBS Fellowship)

1986 Visiting scientist at the University of Southern California Los Angeles, USA

1989-1991 Research group leader at the Central Institute of Cancer Research

1992-2002 Research assistant at the MDC

1997 - Visiting scientist at the Veterinary University of Vienna, Austria

Since 2002 Professor (C3, W2) of Molecular Cell Biology and Gene Therapy at the Institute of Biology at the Humboldt-University Berlin and group leader at the MDC

Research fields

I am interested in adoptive T cell therapy:

- Generation of T cells with new antigen specificity by T cell receptor (TCR) and chimeric antigen receptor (CAR) gene transfer.
- Adoptive transfer of TCR/CAR-engineered T cells for the therapy of cancer and viral diseases.
- Safety aspects of TCR gene therapy.
- Optimization of viral and non-viral vector systems.
 - Preclinical animal models and clinical application of TCR gene therapy.

In vivo generation of antigen-reactive T cells