

**Lebenslauf**  
**stand 01-04-2004**

**Education**

2000-2004 **FREIE UNIVERSITÄT  
BERLIN, GERMANY  
MAX DELBRÜCK CENTER FOR MOLECULAR MEDICINE  
AG GOSSEN, CONTROL OF DNA REPLICATION  
BERLIN, GERMANY**

Ph.D. Thesis

Title: "The use of antisense oligonucleotides to study MCM proteins during the initiation of DNA replication"

1992-1994 **UNIVERSITY OF NEBRASKA AT OMAHA  
OMAHA, NEBRASKA, USA**

Masters program in Biology

1984-1990 **CREIGHTON UNIVERSITY  
OMAHA, NEBRASKA, USA**

Bachelor of Arts in Philosophy

1980-1984 **ST.FRANCIS XAVIER HIGH SCHOOL  
NEW YORK CITY, NEW YORK, USA**

College Preparatory High School Diploma

**Work Experience**

**2000-04      Max Delbrück Center for Molecular Medicine  
Ph.D Student  
Berlin , Germany**

- ÿ Successfully screened and analyzed antisense oligonucleotides against genes necessary for proliferation in primary and transformed human cell lines
- ÿ Characterized the formation of protein complexes required for the initiation of DNA replication
- ÿ Obtained a extensive knowledge of the mechanisms of cancerous cell growth at the level of deregulation of DNA synthesis
- ÿ Established a potentially new mechanism to prevent cancerous cell proliferation
- ÿ Extensive work with Taqman analysis, FACS analysis, immunochemistry, immunocytochemistry and primary human cell culture
- ÿ Completed practical and theoretical work for Ph.D. thesis

**1998-99      Albert Einstein College of Medicine  
Department of Molecular and Developmental Biology  
University Officer/Faculty Assistant  
New York, New York, USA**

- ÿ Successfully set up a new molecular biology lab for an incoming professor
- ÿ Responsible for the sourcing and outfitting of all necessary equipment and renewables
- ÿ Successfully designed and authored mouse colony protocol for the production of Knock-in mouse models
- ÿ Designed and initiated the production of a knock-in mouse model for the study of early hematopoetic stem cell differentiation
- ÿ Responsible for the daily management of the Laboratory

**1995-98 Columbia University, College of Physicians and Surgeons  
Department of Neurobiology and Behavior  
Department of Anesthesiology  
University Officer/Faculty Assistant  
New York, New York, USA**

- ÿ Within 1 year promoted from technician to University Officer/Faculty Assistant
- ÿ Successfully generated three knockout-knockin mouse models for Neuroreceptors involved in spinal cord development, fear and nociception
- ÿ Trained in all aspects of knock-out mouse design, both classical and inducible using the Tet system
- ÿ Trained in all aspects of ES cell establishment, culture and differentiation
- ÿ Managed a mouse colony of 500 animals

**1992-1994 University of Nebraska at Omaha  
Department of Biology  
Graduate Student  
Omaha, Nebraska, USA**

- ÿ Initial experience working in a molecular biology laboratory
- ÿ Successfully generated point mutations in the 16S *E.coli* ribosomal RNA
- ÿ Theoretical courses in biology

**1984-1990 Creighton University  
Undergraduate Student  
Omaha, Nebraska, USA**

- ÿ Bachelor of Arts in Philosophy
- ÿ Liberal Arts Studies, including upper level courses in Mathematics, Physics and Chemistry

## Publications

**P. Debs** and M. Gossen *Abalation of mcm 4 in primary human fibroblasts.*  
EMBO Reposrts Manuscript in preparation

T. Schüler, T. Kammertoens, S. Preiss, **P. Debs**, N. Noben-Trauth und T. Blankenstein (2001) *Generation of Tumor-associated Cytotoxic T Lymphocytes Requires Interleukin 4 from CD8+ T Cells.* J. Exp. Med. 194, 1767-1775.

L. Santarelli, G. Gobbi, **P. C. Debs**, E. Sibille, P. Blier, R. Hen und M. J. S. Heath (2001) *Genetic and pharmacological disruption of neurokinin 1 receptor function decreases anxiety-related behaviours and increases serotonergic function.* Proc Natl Acad Sci 98, 1912-1917.

King, T.E., Heath, M.J., **Debs, P.**, Davis, M.B., Hen, R., Barr, G.A. (2000) *The development of the nociceptive responses in neurokinin-1 receptor knockout mice.* Neuroreport 11(3), 587-591

## Conferences attended

2003 Eukaryotic DNA Replication Cold Spring Harbor, USA, **Poster Presented**  
2000 Eukaryotic DNA Replication Weimar, Germany  
1998 Oncogenes and Growth Control, EMBL, Heidelberg, Germany  
1998 Transcription, EMBL, Heidelberg, Germany  
1998 Conditional Genetic Technologies in the Mouse, Cold Spring Harbor, USA  
1996 Mouse Molecular Genetics, Cold Spring Harbor, USA  
1995 Society for Neurosciences, San Diego, USA