

**Department and function:**

Group Leader Junior Research Group Hematopoietic Cell Therapy (Department of Experimental Hematology), REBIRTH Excellence Cluster

**Education:**

1995-2001: MD, University of Hamburg

2002-2005: PhD Program Molecular Medicine, HBRS Hannover

**Positions:**

1996-2001: Subinternships and research fellowships at UCSF, UCSD, Scripps Research Institute, UT Southwestern Medical School, Childrens Hospital Zürich and Limbe Provincial Hospital (Cameroon). Doctorate student at Heinrich-Pette Institute for Immunology and Virology (Hamburg).

2002-2003: Pediatric resident, Childrens Hospital, Hannover Medical School (MHH)

Since 2002: Department of Experimental Hematology (Prof. C. Baum), MHH

Since 2007: Group Leader Junior Research Group "Hematopoietic Cell Therapy", REBIRTH Excellence Cluster, MHH

**First name:****Axel****Last name:****Schambach****Acad. Title:****Dr. med., PhD****Address:****OE 6960****Hannover Medical School****Phone and e-mail:****++49- 511- 532 5139****Schambach.axel@****mh-hannover.de****Further information:****www.eh.mh-hannover.de****Major research interests:**

Molecular medicine and development of gene vectors for clinical gene therapy of inherited and acquired diseases. Retrovirology. Modern Applications of Biotechnology. Gene Expression in mammalian cells.

**Selected Publications:**

Schambach A, Baum C. Clinical application of lentiviral vectors – concepts and practice. *Curr Gene Ther.* 2008 Dec;8(6):474-82.

Thornhill SI, Schambach A, Howe SJ, Baum C, Thrasher AJ et al. Self-inactivating Gammaretroviral Vectors for Gene Therapy of X-linked Severe Combined Immunodeficiency. *Mol Ther.* 2008 Mar;16(3):590-8.

Schambach A, Galla M, Maetzig T, Loew R, Baum C. Improving transcriptional termination of self-inactivating gammaretroviral and lentiviral vectors. *Mol Ther.* 2007 Jun;15(6):1167-73.

Schambach A, Schiedlmeier B, Kühlcke K, Verstegen M, Margison GP, Li Z, von Laer D, Baum C et al. Towards hematopoietic stem-cell mediated protection against infection with human immunodeficiency virus. *Gene Ther* 2006, 13(13):1037-47.

Schambach A, Bohne J, Chandra S, Will E, Margison GP, Williams DA, Baum C. Equal potency of gammaretroviral and lentiviral SIN vectors for expression of O6-methylguanine-DNA-methyltransferase in bone marrow cells. *Mol Ther.* 2006. Epub 2006 Oct 20.