

**Department and function:**

Assistant Professor, Virology

Education:

1982 - 1988 Study Biology in Bonn
1988 Diploma in Cell Biology, Zoology & Physics
1989 - 1993 PhD in Cell Biology, Dr. rer. nat. at EMBL, Heidelberg
2002 Habilitation in Biochemistry

Positions:

1988-1989 DAAD Visiting Research Scholar; Physiology & Cellular Biophysics, College Physicians & Surgeons, Columbia University, New York, NY, USA
1989-1993 EMBL-PhD Fellow, Cell Biology, EMBL, Heidelberg
1993-1995 EMBO Postdoctoral Fellow, Cell Biology, Yale Uni., New Haven, CT, USA
1995-1997 Staff Scientist, Cell Biology, Yale Uni., New Haven, CT
1997-2002 Research Group Leader, Physiological Chemistry, MHH
2002-2007 Assistant Professor, Institute of Virology, MHH
2007- Associate Professor, Institute of Virology, MHH

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Further information:

<http://www99.mh-hannover.de/institute/virologie/home.html>

Major research interests:

Our group is interested in the cell biology of complex DNA viruses. How does a virus get access to a cell, disassemble to uncover its genome for replication, and how is – within a couple of hours – the viral program switched to virus assembly and egress?

We have developed several *in vivo* and *in vitro* motility assays to analyze the cell biology of Herpes Simplex Virus and particularly the microtubule-mediated capsid transport by digital video microscopy. Using these assays, we characterize cytosolic host factors as well as structural viral proteins important in HSV1 entry and egress.

Selected Publications:

Döhner, Wolfstein, Prank, Echeverri, Dujardin, Vallee, & Sodeik. *Molecular Biology of the Cell* 2002; 13:2795-2809.

Mabit H, Nakano MY, Prank U, Saam B, Dohner K, et al. *J Virol.* 2002; 76(19):9962-70.
Sodeik B. *J Cell Biol.* 2002; 159(3):393-5.

Marozin S, Prank U, Sodeik B. *J Gen Virol.* 2004; 85(Pt 4):775-86.

Haas M, Siegert M, Schurmann A, Sodeik B, Wolfes H. *Biochemistry.* 2004; 43(25):8152-9.

Dohner K, Sodeik B. *Curr Top Microbiol Immunol.* 2005;285:67-108.

Wolfstein A, Nagel CH, Radtke K, Dohner K, Allan VJ, Sodeik B. *Traffic.* 2006; 7(2):227-37

Radtke K, Dohner K, Sodeik B. *Cell Microbiol.* 2006; 8(3):387-400.

Dohner K, Radtke K, Schmidt S, Sodeik B. *J Virol.* 2006;80(16):8211-24.

Nagel CH, Döhner K, Fathollahy M, Strive T, Borst EM, Messerle M, Sodeik B. *J Virol.* 2008;82(6):3109-24.

Mourier JF, Sodeik B, Grünewald K. *Proc Natl Acad Sci U S A.* 2008; 105(20):10550-5.