First name:
Daniela

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Kieneke

Date of birth:
19.07.1982

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Germany

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Supervisor:
Prof. Sodeik
Virology

Education
College/University:
2002-2007 Leibniz University of Hannover / Hannover Medical School; study of biochemistry (diplom)

Highest degree:
Diplom Biochemist

Major Subjects:
Biochemistry, Biophysical Chemistry, Virology

Projects/Research:
Biochemical Characterization of the recruitment of host factors such as microtubule motors and importins to the capsid of Herpes-Simplex-Virus

Scholarships:
Studienstiftung der ehemaligen Riedel-de Haen GmbH (2005-2007: Honeywell, Seelze GmbH)

Scientific Interests and Goals:
My main field of interest is Virology. I analyze the cell biology of Herpes Simplex Virus type 1. I want to study the intracellular transport of viral capsids, and how they recruit the host microtubule motors to catalyze their transport inside cells and host nuclear import factors for binding to the nuclear pore. These host factors are essential for efficient delivery of the vector genome into the nucleoplasm. If we would be able to understand this mechanism at the molecular level, we would be able to optimize viral vectors such that they are efficiently targeted to the host cell nucleus.

Hobbies and other interests:
Tennis, Badminton, Inline-Skating, reading

Ongoing Projects:
Radtke K, **Kieneke D**, Wolfstein A, Steffen W, Sodeik B. Kinesin binding to capsids of Herpes Simplex Virus type 1 requires inner tegument proteins. Manuscript in preparation