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\*22.09.1981, male

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**Junior group leader (W1 Professor)**

**University training**

2002 - 2008 B.Sc. and M.Sc. in Molecular Biotechnology, RWTH Aachen

**Advanced academic qualifications**

2008-2011 Dr. rer. nat., Max von Pettenkofer Institute/Gene Centre, LMU Munich

**Postgraduate professional career**

Since 2020 Junior Professor (W1), RESIST Cluster of Excellence  
2018-2020 Head of Light microscopy core and Nikon Center of Excellence, Leibniz Institute of Virology, Hamburg  
2016-2020 Head of Work group Quantitative Virology, Dept. of Structural Cell Biology of Viruses, Leibniz Institute of Virology, Hamburg  
2015-2016 DFG Return Fellow, Leibniz Institute of Virology, Hamburg  
2011-2015 Postdoctoral Fellow and DFG Research Fellow, Department of Molecular Biology, Princeton University, USA

**Selected awards and honours**

2016 Robert-Koch Postdoctoral Prize awarded for outstanding research in Virology  
2009 - 2011 German National Academic Foundation (Studienstiftung) Graduate Student Fellowship  
2006 - 2008 German National Academic Foundation (Studienstiftung) Student Fellowship  
2006 Heinrich-Hertz Foundation visiting fellowship, University of Cambridge, UK

**Selected executive functions**

Since 2020 Member of the UKE UMIF imaging facility steering board

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## Ten most important peer-reviewed publications

1. Flomm F, Soh TK, Britt H, Schneider C, Reimer R, Thalassinou K, Grünewald K, Bosse JB (2022) Intermittent bulk release of Human Cytomegalovirus through multivesicular bodies. *PLoS Pathogens*, <https://doi.org/10.1371/journal.ppat.1010575>
2. Caragliano E, Bonazza S, Frascaroli G, Tang J, Soh TK, Grünewald K, Bosse JB\*, Brune W\* (2022) Human cytomegalovirus forms phase-separated compartments at viral genomes to facilitate viral replication. **Cell Reports**, <https://doi.org/10.1016/j.celrep.2022.110469>
3. Jung J, Ching W, Baumdick M, Hoffmann-Sieber H, Bosse JB, Koyro TF, Moeller K, Wegner L, Niehrs A, Russu K, Ohms M, Zhang W, Ehrhardt A, Duisters K, Spierings E, Hoelzemer A, Koerner C, Jansen S, Peine S, Koenigs I, Luetgehetmann M, Perez D, Reinshagen K, Lindemanns AA, Altfeld M, Berlderbos ME, Dobner T, Bunders M (2021), KIR3DS1 directs NK cell-mediated protection against human adenovirus infections. **Science Immunology**
4. Bosse JB, Hogue IB, Feric M, Thiberge SY, Sodeik B, Brangwynne CP, Enquist LW (2015) Remodeling nuclear architecture allows efficient transport of herpesvirus capsids by diffusion. **Proc Natl Acad Sci U S A** 112:E5725–E5733.
5. Hagen C\*, Dent KC\*, Zeev-Ben-Mordehai T\*, Grange M\*, Bosse JB\*, Whittle C, Klupp BG, Siebert CA, Vasishtan D, Bäuerlein FJB, Cheleski J, Werner S, Guttman P, Rehbein S, Henzler K, Demmerle J, Adler B, Koszinowski U, Schermelleh L, Schneider G, Enquist LW, Plitzko JP, Mettenleiter TC, Grünewald K (2015) Structural Basis of Vesicle Formation at the Inner Nuclear Membrane. **Cell** 163:1692-701.
6. Bosse JB, Viriding S, Thiberge SY, Scherer J, Wodrich H, Ruzsics Z, Koszinowski UH, Enquist LW, Racaniello VR (2014) Nuclear Herpesvirus Capsid Motility Is Not Dependent on F-Actin. **mBio** 5:429-14.
7. Hogue IB, Bosse JB, Hu J-R, Thiberge SY, Enquist LW (2014) Cellular mechanisms of alphaherpesvirus egress: live-cell fluorescence microscopy of pseudorabies virus exocytosis. **PLoS Pathog** 10:e1004535.
8. Granstedt AE, Bosse JB, Thiberge SY, LW Enquist (2013) In vivo imaging of alphaherpesvirus infection reveals synchronized activity dependent on axonal sorting of viral proteins. **Proc Natl Acad Sci U S A** 110: E3516-25.
9. Bosse JB, Bauerfeind R, Popilka L, Marcinowski L, Taeglich M, Jung C, Striebinger H, von Einem J, Gaul U, Walther P, Koszinowski UH, Ruzsics Z (2012) A Beta-herpesvirus with fluorescent capsids to study transport in living cells. **PLoS One** 7:e40585.
10. Maninger, S\*, Bosse JB\*, Lemnitzer F, Pogoda M, Mohr CA, von Einem J, Walther P, Koszinowski UH, Ruzsics Z (2011) M94 Is Essential for the Secondary Envelopment of Murine Cytomegalovirus. **J Virol** 85:9254-67.

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