

Curriculum Vitae

Jens Bernhard Bosse, Ph.D.

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Leibniz Institute for Experimental Virology
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Date of birth: 22.09.1981
Name of birth: Jens Bernhard Lösing
Nationality: German

Research and Education

Head of Subunit “Quantitative Virology”

HPI Hamburg; 04/2016 – present

Subject: Quantitative Analysis of Viral Lifecycles in Living Cells

Research Unit Structural Biology of Viruses, Prof. Dr. Kay Grünewald

Scientist

HPI Hamburg; 10/2015 – 03/2016

Subject: Quantitative Analysis of Viral Lifecycles in Living Cells

Research Unit Structural Biology of Viruses, Prof. Dr. Kay Grünewald

Postdoctoral Fellow

Princeton University ; 11/2011 – 08/2015

Subject: Intranuclear morphogenesis of herpesviruses

Laboratory of Prof. Dr. Lynn Enquist

PhD program in Biochemistry/Virology

LMU Munich; 01/2008 – 08/2011

Title: Herpesvirus Capsid Dynamics in Living Cells.

Laboratory of Prof. Dr. Dr. h.c. Ulrich Koszinowski.

Master of Science in Biotechnology

RWTH Aachen; 10/2005 - 01/2008

Thesis title: Molecular characterization of the Epstein-Barr virus encoded gene BDLF2.

Laboratory of Prof. Dr. Klaus Ritter.

Internship at the Division of Virology, University of Cambridge, UK

10/2006 - 04/2007

Title: Immune evasion of persistent herpes viruses.

Laboratory of Dr. Philip Stevenson

Bachelor of Science in Biotechnology

RWTH Aachen; 10/2002 - 06/2005

Thesis title: Relevance of the Epstein-Barr virus encoded gene BDLF2 for the expression of important genes of the lytic cycle and viral latency.

Laboratory of Prof. Dr. Klaus Ritter.

Honors and Awards

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| 11/2016 | Robert-Koch Postdoctoral Prize, awarded by the Robert-Koch Foundation for outstanding research in the field of virology |
| 10/2015 -03/2016 | Reintegration Fellowship awarded by the German Research Foundation |
| 09/2013 -08/2015 | Postdoctoral Fellowship awarded by the German Research Foundation |
| 03/2009 -08/2011 | Graduate Student Fellowship awarded by the German National Academic Foundation (Studienstiftung) |
| 11/2006 - 12/2007 | Master Student Fellowship awarded by the German National Academic Foundation (Studienstiftung) |
| 10/2006 - 04/2007 | Visiting scholar of the Heinrich-Hertz Foundation at the University of Cambridge, UK |

Selected peer-reviewed publications

1. **Bosse J.B.**, Enquist L.W., The diffusive way out: Herpesviruses remodel the host nucleus, enabling capsids to access the inner nuclear membrane. **Nucleus**, 2016, <http://dx.doi.org/10.1080/19491034.2016.1149665>
2. Hagen C.* , Dent K.C.* , Zeev-Ben-Mordehai T*., Grange M.* , **Bosse J.B.*** (...) Mettenleiter T.C., Grünewald K., Structural Basis of Vesicle Formation at the Inner Nuclear Membrane. **Cell**, 2015, <http://dx.doi.org/10.1016/j.cell.2015.11.029>
3. **Bosse J.B.**, Tanneti N.S., Hogue I.B., Enquist L.W., Open LED Illuminator: A simple and inexpensive LED illuminator for fast multicolor particle tracking in neurons. **PLoS ONE**, 2015, <http://dx.doi.org/10.1371/journal.pone.0143547>
4. **Bosse J.B.**, Hogue I.B., Feric M., Thiberge S.Y., Sodeik B., Brangwynne C.P., Enquist L.W., Remodeling nuclear architecture allows efficient transport of herpesvirus capsids by diffusion. **PNAS**, 2015, <http://dx.doi.org/10.1073/pnas.1513876112>
5. Hogue I.B, **Bosse J.B.**, Engel E., Scherer J., Hu J.R., Del Rio T., Enquist L.W., Fluorescent Protein Approaches in Alpha Herpesvirus Research. **Viruses**, 2015, <http://dx.doi.org/doi:10.3390/v7112915>
6. Hogue I.B., **Bosse J.B.**, Hu J.R., Thiberge S.Y., Enquist L.W., Cellular Mechanisms of Alpha Herpesvirus Egress: Live Cell Fluorescence Microscopy of Pseudorabies Virus Exocytosis. **PLoS Pathogens**, 2014, <http://dx.doi.org/10.1371/journal.ppat.1004535>
7. **Bosse J.B.**, Viriding S., Thiberge S.Y., Scherer J., Wodrich H., Ruzsics Z., Koszinowski U.H. & Enquist L.W., Nuclear herpesvirus capsid motility is not dependent on F-actin. **mBio**, 2014, <http://dx.doi.org/10.1128/mBio.01909-14>
8. Granstedt A.E., **Bosse J.B.**, Thiberge S.Y., and L.W. Enquist., In vivo imaging of alphaherpesvirus infection reveals synchronized activity dependent on axonal sorting of viral proteins. **PNAS**, 2013, <http://dx.doi.org/10.1073/pnas.1311062110>
9. **Bosse J.B.**, Bauerfeind R., Popilka L., Marcinowski L., Taeglich M., Jung C., Striebinger H., von Einem J., Gaul U., Walther P., Koszinowski U.H., Ruzsics Z, A Beta-herpesvirus with fluorescent capsids to study transport in living cells. **PLoS ONE**, 2012, <http://dx.doi.org/10.1371/journal.pone.0040585>
10. Maninger, S*., **Bosse J.B.***, Lemnitzer F., Pogoda M., Mohr C.A., von Einem J., Walther P., Koszinowski U.H., Ruzsics Z., M94 Is Essential for the Secondary Envelopment of Murine Cytomegalovirus. **Journal of Virology**, 2011, <http://dx.doi.org/10.1128/JVI.00443-11>

* contributed equally

Other publications

none