

Curriculum Vitae

PERSONAL INFORMATION

Benedikt B. Kaufer, W2 Lichtenberg Professor

Institute für Virologie, Freie Universität Berlin, Germany

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Researcher unique identifier: <http://orcid.org/0000-0003-1328-2695>

Date of birth: 04.11.1981 **Nationality:** German

• CURRENT POSITION(S)

Since 2017 Lichtenberg Professor: Resistance in Virus Infections and Vaccines
Institute für Virologie, Fachbereich Veterinärmedizin, Freie Universität Berlin

• PREVIOUS POSITIONS

2011-2017 Junior Professor: Molecular Tumor Virology
Institute für Virologie, Fachbereich Veterinärmedizin, Freie Universität Berlin,
2010-2011 Group Leader: "Viral Integration and Tumorigenesis"
Institute für Virologie, Fachbereich Veterinärmedizin, Freie Universität Berlin,

• EDUCATION

2005-2010 PhD in the field of "Comparative Biomedical Sciences" at Cornell University
Department of Microbiology and Immunology, College of Veterinary
Medicine, Cornell University, Ithaca, NY, USA.
2002-2005 Bachelor of Science in the field of "Molecular Biotechnology"
Technische Universität München, Munich, Germany

• FELLOWSHIPS AND AWARDS

2018 Loeffler-Frosch-Award of the German Society for Virology (GfV)
2018 Karl-Fritzsche-Award of the German Veterinarian Association (DVG)
2017 Koichi Yamanishi Young Investigator Award (HHV-6 Foundation)
2016 Lichtenberg Professorship (Volkswagen-Foundation)
2014 Robert Koch Postdoctoral Award by the Robert Koch Society
2014 Young Investigator Award of the German Veterinarian Association (DVG)
2012 Project Award (Projektauszeichnung) of the German Research Foundation
(DFG)
2010 35th Annual International Herpesvirus Workshop - Presentation Award
2009 28th American Society for Virology meeting - Travel Award
2008 33rd Annual International Herpesvirus Workshop - Presentation Award
2008 4th Annual Rocky Mountain Virology Club - Presentation Award
2008 Cornell Travel Grant
2007 26th American Society for Virology meeting - Travel Award
2006 25th American Society for Virology meeting - Travel Award

• SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

Since 2010: So far, six PhD students (Annemarie Engel 3/2013, Annachiara Greco 9/2014, Nina Wallaschek 2/2016, Ibrahim Alzuheir 8/2016, Ahmed Kheimar 11/2017, Luca Bertzbach 2/2019) have graduated from my group. Eight master and bachelor students successfully completed their thesis in my laboratory.

Currently, there are four PhD students and five postdoctoral associates under my supervision.

- **TEACHING ACTIVITIES**

Freie Universität Berlin:

Since 2010 VETMED_V_08250 Basic and Specialized Virology I
 VETMED_V_08251 Specialized Virology II
 VETMED_Ue_08253 Practical course – Virus Diagnostics
 VETMED_V_0800145 Infectiology and Animal Health
 VETMED_S_08290 Molecular Virology
 VETMED_S_08295 Resistences in Veterinary Medicine
 VETMED_S_08296 Clinical Cases in Virology
 VETMED Lecture series on “Avian Diseases”
 DRS-G03 Quality Assessment in Research
 DRS-S10 En passant Mutagenesis course
 DRS-S13 Fluorescence in situ Hybridization (FISH)
 ZIBI graduate school: Infection Biology lecture series
 ZIBI graduate school: Art of Reading a Paper seminar

Cornell University:

2010 BIOMI 4090 Principles of Virology (2010)

- **ORGANISATION OF SCIENTIFIC MEETINGS**

2012 9th International Meeting on Marek’s Disease and Avian Herpesviruses; Berlin, Germany
 Co-Organizers - Osterrieder N. and Kaufer B., International meeting, 120 participants

2017 10th International Conference on Human Herpesvirus 6 and 7; Berlin, Germany
 Co-Organizers - Kaufer B. and Boeckh M., International meeting, 135 participants

2020 45th International Herpesvirus Workshop; Berlin, Germany, Co-Organizers - Kaufer B. und Osterrieder N., International meeting, approx. 600 participants

- **INSTITUTIONAL RESPONSIBILITIES**

2013-2014 Interim Institute Director of the Institute für Virologie, Fachbereich Veterinärmedizin, Freie Universität Berlin, Germany

- **AD HOC REVIEWER FOR SCIENTIFIC JOURNALS**

Advances in Virus Research, Applied Microbiology, Archives of Virology, Avian Diseases, Cellular & Molecular Biology Letters, Frontiers in Microbiology, Gene, Journal of Virology, Journal of Virological Methods, Journal of Proteome Research, Molecular Medicine, PLoS ONE, PLoS Pathogens, Scientific Reports, Vaccines, Veterinary Microbiology, Virology Journal, Virus Evolution, Virus Genes, Virus Research

- **EDITOR FOR SCIENTIFIC JOURNALS**

Viruses: guest editor - Special Issue on "Viruses and Telomeres"; 2017 (IF: 3.465)
 Frontiers Microbiology: guest editor - Special Issue on "Herpesviruses Latency"; 2018 (IF: 4,076)

- **AD HOC REVIEWER FOR FUNDING AGENCIES**

Biotechnology and Biological Sciences Research Council (BBSRC) UK
 Medical Research Council (MRC) UK
 Wellcome Trust UK - Sir Henry Dale Fellowship
 Slovak Academy of Sciences and Ministry of Education of the Slovak Republic
 Italian Ministry of Health (MOH), General Direction for Scientific Research and Health Innovation
 United States-Israel Binational Science Foundation (BSF)
 European Research Area Network (ERA-Net) for Animal Health and Welfare (ANIHWA)

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

Since 2006 Member, American Society for Virology (ASV)
 Since 2011 Member, German Society for Virology (GfV)
 Since 2012 Member, American Society for Microbiology (ASM)
 Since 2016 Member, German Veterinary association (DVG)

- **Early achievements track-record**

1. Publication overview:

Articles in peer-reviewed journals: 52 Cumulative citations: 1102* h-index: 16*

Publications:

- 1) Previdelli, R.L., L.D. Bertzbach, D.J. Wight, T. Vychodil, Y. You, S. Arndt and **B.B. Kaufer**. 2019. "The Role of Marek's Disease Virus UL12 and UL29 in DNA Recombination and the Virus Lifecycle." *Viruses*, doi: 10.3390/v11020111. (IF: 3.761) °
- 2) De Leo, A., Z. Deng, O. Vladimirova, H.S. Chen, J. Dheekollu, A. Calderon, K.A. Myers, J. Hayden, F. Keeney, **B.B. Kaufer**, Y. Yuan, E. Robertson and P. M. Lieberman. 2019. LANA oligomeric architecture is essential for KSHV nuclear body formation and viral genome maintenance during latency. *PLOS Pathogens*, doi:10.1371/journal.ppat.1007489 (IF: 7.003) °
- 3) Pauker, V. I., L. D. Bertzbach, A. Hohmann, A. Kheimar, J. P. Teifke, T. C. Mettenleiter, A. Karger and **B.B. Kaufer**. 2019. Imaging Mass Spectrometry and Proteome Analysis of Marek's Disease Virus-Induced Tumors. *mSphere*, doi: 10.1128/mSphere.00569-18 (IF: 3.575) °
- 4) Bertzbach L.D., M. Laparidou, S. Härtle, R.J. Etches, B. Kaspers, B. Schusser, **B.B. Kaufer**. 2018. Unraveling the role of B cells in the pathogenesis of an oncogenic avian herpesvirus. *PNAS*, doi: 10.1073/pnas.1813964115 (IF: 9.661) °
- 5) Kheimar A., J. Trimpert, N. Groenke, **B.B. Kaufer**. 2018. Overexpression of cellular telomerase RNA enhances virus-induced cancer formation. *Oncogene*, doi:10.1038/s41388-018-0544-1 (IF: 6.854) °
- 6) Wight D, N. Wallaschek, A. Sanyal, S.Weller, L. Flamand, **B.B. Kaufer**. 2018. Viral Proteins U41 and U70 of Human Herpesvirus 6A Are Dispensable for Telomere Integration. *Viruses*. 2018;10(11):656. PubMed PMID: doi:10.3390/v10110656. (IF: 3.761) °

* Citation counts and h-index calculations as of 01/01/2019 - Bibliometric statistics were obtained from Scopus

° indicates publications without former supervisors or as senior author.

- 7) Kheimar A., **B.B. Kaufer**. 2018. Epstein-Barr virus-encoded RNAs (EBERs) complement the loss of the herpesvirus telomerase RNA (vTR) in virus-induced tumor formation. Scientific Reports, doi:10.1038/s41598-017-18638-7 (IF: 4.259) °
- 8) Sonntag E, Hahn F, Bertzbach LD, Seyler L, Wangen C, Müller R, P. Tannig, B. Grau, M. Baumann, E. Zent, G. Zischinsky, J. Eickhoff, **B.B. Kaufer**, T. Bäuerle, S.B. Tsogoeva, M. Marschall. 2018. In vivo proof-of-concept for two experimental antiviral drugs, both directed to cellular targets, using a murine cytomegalovirus model. Antiviral Res. 2019;161:63-9. doi: <https://doi.org/10.1016/j.antiviral.2018.11.008>. (IF: 4.271) °
- 9) Sanyal A., N. Wallaschek, M. Glass, L. Flamand, DJ... Wight, **B.B. Kaufer**. 2018 The ND10 Complex Represses Lytic Human Herpesvirus 6A Replication and Promotes Silencing of the Viral Genome. Viruses 10(8):401. (IF: 3.761) °
- 10) Hahn F., T. Fröhlich, T. Frank, L.D. Bertzbach, S. Kohrt, **B.B. Kaufer**, T. Stamminger, S.B. Tsogoeva, M. Marschall. 2018. Artesunate-derived monomeric, dimeric and trimeric experimental drugs – Their unique mechanistic basis and pronounced antiherpesviral activity. Antiviral Research, doi: 10.1016/j.antiviral.2018.02.013. (IF: 4.271) °
- 11) Bertzbach L.D., A. Kheimar, F.A.Z. Ali, **B.B. Kaufer**. 2018. Viral Factors Involved in Marek's Disease Virus (MDV) Pathogenesis. Current Clinical Microbiology Reports, doi: 10.1007/s40588-018-0104-z.
- 12) Mahalingam R., **B.B. Kaufer**, W.J.D. Ouwendijk, G.M. Verjans, C. Coleman, M. Hunter, A. Das, B.E. Palmer, E. Clambey, M.A. Nagel, and V. Traina-Dorge. 2018. Attenuation of Simian Varicella Virus Infection by Enhanced Green Fluorescent Protein in Rhesus Macaques. Journal of Virology, doi: 10.1128/JVI.02253-17 (IF: 4.606) °
- 13) Komaroff A.L., M. Boeckh, E. Eliason, T. Phan, **B.B. Kaufer**. 2018 Summary of the 10th International Conference on Human Herpesviruses 6 and 7 (HHV-6A, -6B and HHV-7). Journal of Medical Virology, doi:10.1002/jmv.25004 (IF: 1.935) °
- 14) Härtle S., I. Alzuheir, F. Busalt, V. Waters, P. Kaiser, **B.B. Kaufer**. 2017. Identification of the receptor and cellular orthologue of the Marek's disease virus (MDV) CXC chemokine. Frontiers in Microbiology, doi:10.3389/fmicb.2017.02543 (IF: 4,076) °
- 15) Gurung A., N. Kamble, **B. B. Kaufer**, A. Pathan, S. Behboudi. 2017. Association of Marek's Disease Induced Immunosuppression with Activation of a Novel Regulatory T cells in Chickens. PLOS Pathogens, doi.org/10.1371/journal.ppat.1006745 (IF: 9.127) °
- 16) Kheimar A, R.L. Previdelli, D.J. Wight, **B. B. Kaufer**. 2017. Telomeres and Telomerase: Role in Marek's Disease Virus Pathogenesis, Integration and Tumorigenesis. Viruses, doi: 10.3390/v9070173 (IF: 3.465) °
- 17) Bencherit D., S. Remy, Y. L. Vern, T. Vychodil, L.D. Bertzbach, **B. B. Kaufer**, C. Denesvre, and L. Trapp-Fragnet. 2017. Induction of DNA damages upon Marek's disease virus infection: implication in viral replication and pathogenesis, Journal of Virology, doi:10.1128/JVI.01658-17 (IF: 4.606) °
- 18) González-Motos V., C. Jürgens, B. Ritter, K.A. Kropp, V. Durán, O. Larsen, A. Binz, W.J.D. Ouwendijk, T. Lenac Rovis, S. Jonjic, G.M. Verjans, B. Sodeik, T. Krey, R. Bauerfeind, T.F. Schulz, **B. B. Kaufer**, U. Kalinke, A.E.I. Proudfoot, M.M. Rosenkilde, A. Viejo-Borbolla. 2017. Varicella zoster virus glycoprotein C increases chemokine-mediated leukocyte migration. PLOS Pathogens, 13:e1006346. (IF: 9.127) °

- 19) Gilbert-Girard S., A. Gravel, S. Artusi, S.N. Richter, N. Wallaschek, **B. B. Kaufer**, L. Flamand. 2017. Stabilization of telomere G-quadruplexes interferes with human herpesvirus 6A chromosomal integration. Journal of Virology, doi:10.1128/jvi.00402-17. (IF: 4.606) °
- 20) Gravel A., I. Dubuc, N. Wallaschek, S. Gilbert-Girard, V. Collin, R. Hall-Sedlak, K.R. Jerome, Y. Mori, J. Carbonneau, G. Boivin, **B. B. Kaufer**, L. Flamand. 2017. Cell culture systems to study Human Herpesvirus 6A/B Chromosomal Integration. Journal of Virology, doi:10.1128/jvi.00437-17. (IF: 4.606) °
- 21) Wallaschek N., A. Sanyal, F. Pirzer, A. Gravel, Y. Mori, L. Flamand, **B. B. Kaufer**. 2016. The telomeric repeats of human herpesvirus 6A (HHV-6A) are required for efficient virus integration. PLoS Pathogens, doi: 10.1371/journal.ppat.1005666 (IF: 9.127) °
- 22) Milbradt J., Hutterer C., Bahsi H., Wagner S., Sonntag E., Horn A.H., **Kaufer B.B.**, Mori Y., Sticht H., Fossen T., M. Marschall. 2016. The Prolyl Isomerase Pin1 Promotes the Herpesvirus-Induced Phosphorylation-Dependent Disassembly of the Nuclear Lamina Required for Nucleocytoplasmic Egress. PLoS Pathogens, doi: 10.1371/journal.ppat.1005825 (IF: 9.127) °
- 23) Wallaschek N., A. Gravel, L. Flamand, **B. B. Kaufer**. 2016. The putative U94 integrase is dispensable for human herpesvirus 6 (HHV-6) chromosomal integration. Journal of General Virology, doi: 10.1099/jgv.0.000502 (IF: 3,230) °
- 24) Keller, A.C., H. Badani, P. M. McClatchey, N. L. Baird, J. B. Bowlin, R. Bouchard, G. C. Perng, J. E. B. Reusch, **B. B. Kaufer**, D. Gilden, R. J. Cohrs. 2016. Varicella zoster virus infection of human fetal lung cells alters mitochondrial morphology. Journal of NeuroVirology, doi: 10.1128/JVI.02730-15 (IF: 2.310) °
- 25) Stellberger T., I. Stockmar, M. Haase, H. Meyer, G. Zoeller, M. Pavlovic, M. Büttner, R. Konrad, H. Lang, K. Tischer, **B. B. Kaufer**, U. Busch, and A. Baiker. 2015 Multiplex Real-time PCR Assay for the Detection and Differentiation of Poxviruses and Poxvirus Vectors. Applied Biosafety, doi: 10.1177/153567601502000405 °
- 26) Johne R., J. Reetz, **B. B. Kaufer**, E. Trojnar. 2015. Generation of an avian/mammalian rotavirus reassortant using a helpervirus-dependent reverse genetics system. Journal of Virology, doi:10.1128/JVI.02730-1 (IF: 5.402) °
- 27) Schermuly J., A. Greco, S. Härtle, N. Osterrieder, **B. B. Kaufer***, and B. Kaspers*. 2015. In vitro model for lytic replication, latency and transformation of an oncogenic alphaherpesvirus, PNAS, doi:10.1073/pnas.1424420112 *corresponding authors (IF: 9.809) °
- 28) Goodwin T. J., M. McCarthy, R. J. Cohrs, and **B. B. Kaufer**. 2015. 3D Tissue-Like Assemblies: A Novel Approach to Investigate Virus-Cell Interactions. Methods, doi: 10.1016/j.ymeth.2015.05.010. (IF: 3.221) °
- 29) Trempe F., A. Gravel, I. Dubuc, N. Wallaschek, G. Morissette, V. Collin, S. Gilbert-Girard, **B. B. Kaufer**, and L. Flamand. 2015. Characterization of human Herpesvirus 6 U94 as an ATPase, helicase, exonuclease and DNA-binding binding protein. Nucleic Acids Research, doi:10.1093/nar/gkv503 (IF: 8.808) °
- 30) **Kaufer B. B.** and L. Flamand. 2014. Chromosomally-integrated HHV-6: Impact on virus, cell and organismal biology. Current opinion in virology, doi:10.1016/j.coviro.2014.09.010 (IF: 6.298) °
- 31) Kühl U., D. Lassner, N. Wallaschek, U. M. Gross, G. R. F. Krueger, B. Seeberg, **B. B. Kaufer**, F. Escher, W. Poller, and H. Schultheiss. 2014. Chromosomally integrated human herpesvirus 6 in heart failure: prevalence and treatment. European journal of heart failure, doi: 10.1002/ejhf.194 (IF: 6.577) °

- 32) Greco, A., N. Fester, A. T. Engel, and **B. B. Kaufer**. 2014. Role of the short telomeric repeat region in Marek's disease virus (MDV) replication, genomic integration and lymphomagenesis. Journal of Virology, doi:10.1128/JVI.02437-14. (IF: 5.402) °
- 33) Osterrieder N., N. Wallaschek, and **B. B. Kaufer**. 2014. Herpesvirus Genome Integration into Telomeric Repeats of Host Cell Chromosomes. Annual Review of Virology, 1: doi: 10.1146/annurev-virology-031413-085422.
- 34) Goodwin T. J., M. McCarthy, N. Osterrieder, R. J. Cohrs, and **B. B. Kaufer**. 2013. Three-dimensional normal human neural progenitor tissue-like assemblies: a model of persistent varicella-zoster virus infection. PLoS Pathogens, 9:e1003512. (IF: 9.127) °
- 35) **Kaufer B. B.** 2013. Detection of Integrated Herpesvirus Genomes by Fluorescence In Situ Hybridization (FISH). Methods in Molecular Biology, 1064:141-152. °
- 36) Veiga I. B., K. W. Jarosinski, **B. B. Kaufer**, and N. Osterrieder. 2013. Marek's disease virus (MDV) ubiquitin-specific protease (USP) performs critical functions beyond its enzymatic activity during virus replication. Virology. doi: 10.1016/j.virol.2013.01.003 (IF: 3.351)
- 37) Engel A. T., R. K. Selvaraj, J. P. Kamil, N. Osterrieder, and **B. B. Kaufer**. 2012. Marek's disease viral interleukin-8 (vIL-8) promotes lymphoma formation through targeted recruitment of B-cells and CD4+CD25+ T-cells. Journal of Virology, doi: 10.1128/JVI.00556-12 (IF: 5.402) °
- 38) Kraus M. S.*, **B. B. Kaufer***, A. Damiani, N. Osterrieder, M. Rishniw, W. Schwark, and A. R. Gelzer, and T. J. Divers. 2012. Elimination half-life of intravenously administered equine cardiac troponin I in healthy ponies. Equine Veterinary Journal, doi: 10.1111/j.2042-3306.2012.00554 * shared first authorship (IF: 1.456) °
- 39) Tischer B. K. and **B. B. Kaufer**. 2012 Viral bacterial artificial chromosomes: generation, mutagenesis, and removal of mini-F sequences. Journal of Biomedicine and Biotechnology, 2012:472537. (IF: 2.436) °
- 40) Jarosinski K. W., S. Arndt, **B. B. Kaufer**, and N. Osterrieder. 2012. Fluorescently tagged pUL47 of Marek's disease virus reveals differential tissue expression of the major tegument protein *in vivo*. Journal of Virology, 86(5):2428-36. (IF: 5.402)
- 41) **Kaufer B. B.**, S. Arndt., S. Trapp, N. Osterrieder, and K. W. Jarosinski. 2011. Herpesvirus telomerase RNA (vTR) with a mutated template sequence abrogates T cell lymphomagenesis. PLOS Pathogens, 7:e1002333 (IF: 9.127) °
- 42) Brazeau E., M. Wellish, **B. B. Kaufer**, B. K. Tischer, W. Gray, F. Zhou, N. Osterrieder , T. Hanlan, A. Golive, T. Hall, S. Nair, G. Owens, N. H. Mueller, R. Cohrs, S. Pugazhenti, D. Gilden and R. Mahalingam. 2011. Simian varicella virus open reading frame 63/70 expression is required for efficient virus replication in culture. Journal of NeuroVirology, doi:10.1007/s13365-011-0025-6 (IF: 2.310) °
- 43) **Kaufer B. B.**, K. W. Jarosinski, and N. Osterrieder. 2011. Herpesvirus telomeric repeats facilitate genomic integration into host telomeres and mobilization of viral DNA during reactivation. Journal of Experimental Medicine, 208, 605-615. (IF: 13.853)
Recommended by F1000Prime - <http://f1000.com/prime/8954956>
- 44) **Kaufer B. B.**, S. Trapp, K. W. Jarosinski, and N. Osterrieder. 2010. Herpesvirus telomerase RNA (vTR)-dependent lymphoma formation does not require interaction of vTR with telomerase reverse transcriptase (TERT). PLOS Pathogens, 6 (8): e1001073. (IF: 9.127)

- 45) **Kaufer B. B.**, B. Smejkal, and N. Osterrieder. 2010. The varicella-zoster virus ORFS/L (ORF0) gene is required for efficient viral replication and contains an element involved in DNA cleavage. Journal of Virology, 84:11661-11669. (IF: 5.402)
- 46) Brazeau E., R. Mahalingam, D. Gilden, M. Wellish, **B. B. Kaufer**, N. Osterrieder, and S. Pugazhenth. 2010. Varicella-zoster virus-induced apoptosis in MeWo cells is accompanied by down-regulation of Bcl-2 expression. Journal of NeuroVirology, 16:133-140. (IF: 2.310) °
- 47) Van de Walle G.R., **B. B. Kaufer**, N. Chbab, and N. Osterrieder. 2009. Analysis of the herpesvirus chemokine-binding glycoprotein G residues essential for chemokine binding and biological activity. Journal of Biological Chemistry, 284:5968-5976. (IF: 4.773)
- 48) Schumacher D., C. McKinney, **B. B. Kaufer**, and N. Osterrieder. 2008. Enzymatically inactive U(S)3 protein kinase of Marek's disease virus (MDV) is capable of depolymerizing F-actin but results in accumulation of virions in perinuclear invaginations and reduced virus growth. Virology, 375:37-47. (IF: 3.351)
- 49) Chatwell L., A. Holla, **B. B. Kaufer**, and A. Skerra. 2008. The carbohydrate recognition domain of Langerin reveals high structural similarity with the one of DC-SIGN but an additional, calcium-independent sugar-binding site. Molecular Immunology, 45:1981-1994. (IF: 2.897)
- 50) Jarosinski K., L. Kattenhorn, **B. Kaufer**, H. Ploegh, and N. Osterrieder. 2007. A herpesvirus ubiquitin-specific protease is critical for efficient T cell lymphoma formation. PNAS, 104:20025-20030. (IF: 9.681)
- 51) Tischer B. K*, **B. B. Kaufer***, M. Sommer, F. Wussow, A. M. Arvin, and N. Osterrieder. 2007. A self-excisable infectious bacterial artificial chromosome clone of varicella-zoster virus allows analysis of the essential tegument protein encoded by ORF9. Journal of Virology, 81:13200-13208.* shared first authorship (IF: 5.402)
- 52) Tischer B. K., J. von Einem, **B. Kaufer**, and N. Osterrieder. 2006. Two-step red-mediated recombination for versatile high-efficiency markerless DNA manipulation in Escherichia coli. Biotechniques, 40:191-197. (IF: 2.669)

2. Book chapters:

- **Kaufer B.B.**, Tischer BK. 2013. BACs (Bacterial Artificial Chromosomes), p. 251-253. In Hughes SM (ed.), Brenner's Encyclopedia of Genetics (Second Edition). Academic Press, San Diego.

3. Granted patents:

- N. Osterrieder, **B. B. Kaufer**, G. R. Seetharaman, R. Harland, L. D. Albee, li, M. N. Patel. 2012 Bovine Herpes Virus-1 Compositions, Vaccines and Methods (US - 61/195,102; WO PCTIUS2009/059 196)

4. Selected invited lectures 2011-2017

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| 2011 | <ul style="list-style-type: none"> • University of Texas Medical Branch (UTMB), Galveston, Texas, USA • 1st Alphaherpesvirus Latency Symposium, Vail, Colorado, USA • Ludwig-Maximilians-Universität München, Munich, Germany |
| 2012 | <ul style="list-style-type: none"> • Institut National de la Recherche Agronomique (INRA) Tours, France • Heinrich-Heine-Universität Düsseldorf, Düsseldorf, Germany • Cornell University, Ithaca, New York, USA • SFB796 Retreat 2012, Friedrich-Alexander-Universität Erlangen-Nürnberg, Banz, Germany • University of Saskatchewan, Saskatoon, Canada |
| 2013 | |

- Boehringer Ingelheim Pharma, Hannover, Germany
- Friedrich-Loeffler-Institut, Insel Riems, Germany
- University Medical Center Utrecht, Utrecht, Netherlands
- University of Rijeka, Rijeka, Croatia
- 2014
 - 4th Alphaherpesvirus Latency Symposium, Vail, Colorado, USA
 - Veterinärmedizinische Universität Wien, Vienna, Austria
 - Stanford University, Palo Alto, California, USA
 - International conference on host-pathogen interaction 2014, Hyderabad, India
 - Hokkaido University, Sapporo, Japan
 - Paul-Ehrlich-Institut, Langen, Germany
- 2015
 - AfT Spring Symposium 2015, Montabaur, Germany
 - Jawaharlal Nehru University, New Delhi, India
 - Dresdner Colloquium 2015, Dresden, Germany
 - 9th Conference on HHV-6 & 7, state-of-the-art speaker, Boston, USA
 - Centers for Disease Control and Prevention (CDC), Atlanta, USA
- 2016
 - Ecole Normale Supérieure, Lyon, France
 - 11th Veterinary medicine conference Egypt, keynote speaker, El Sokhna, Egypt
 - 11th International Symposium on Marek's Disease and Avian Herpesviruses, state-of-the-art speaker, Tours, France
 - Molecular Biology and Pathogenesis of Avian Viruses, state-of-the-art speaker, London, UK
- 2017
 - Oxford University, Oxford, UK
 - Cambridge University, Cambridge, UK
 - Infection & Immunity Forum, Geneva, Switzerland
 - 42nd International Herpesvirus Workshop, state-of-the-art speaker, Ghent, Belgium