

Curriculum Vitae

Heiko Adler Professor Dr. med. vet.

University Education

- 2011:** Adjunct professorship for „Experimental Virology“ at the Medical Faculty of the LMU Munich
- 2005:** Habilitation in the field “Experimental Virology” at the Medical Faculty of the LMU Munich
- 1992-1994:** Graduate student at the Institute of Veterinary Virology, University of Bern
- 1990-1991:** Residency (“Pflichtassistenten-Zeit”)
- 1990:** Government Examination and Diploma (DVM) at the Faculty of Veterinary Medicine, Humboldt - University Berlin
- 1985-1990:** undergraduate studies in veterinary medicine at the Humboldt - University Berlin

Scientific Career

- since 2022:** Laboratory head in the Institute of Asthma and Allergy Prevention, Helmholtz Zentrum München
- 2016-2021:** Deputy head of the Research Unit Lung Repair and Regeneration, Helmholtz Zentrum München
- 2012-2015:** Research group leader in the Research Unit Gene Vectors, Helmholtz Zentrum München
- 2009-2011:** Research group leader in the Institute of Molecular Immunology, Helmholtz Zentrum München
- 2001-2009:** Deputy head of the clinical cooperation group Hematopoietic Cell Transplantation, Helmholtz Zentrum München and Medical Clinic III of the LMU Munich
- 1998-2001:** Research assistant, Max von Pettenkofer-Institut, Lehrstuhl Virologie, Genzentrum, LMU Munich
- 1995-1997:** Postdoctoral fellow at the Dana-Farber Cancer Institute, Department of Pediatric Oncology, and Harvard Medical School, Boston, MA
- 1994-1995:** Postdoctoral fellow at the Institute of Veterinary Virology, University of Bern

Awards and Honors

- 2017:** Best Paper Award 2017: “Best Paper of the Year 2017” of the Journal Particle and Fibre Toxicology
- 1998-2000:** BMBF/DKFZ “Infection Research” Grant
- 1995-1997:** DFG Research Grant
- 1994:** Prize of the Veterinary Faculty, University of Bern, for the best thesis
- 1993-1994:** DAAD Grant

Citation Record

Total citations: 6002; h-index: 36; h-index since 2017: 19 (Google Scholar August 19th, 2022)

Top-10 selected Publications

J.D. Speidel, S. Gilles, B. Steer, B. Vafadari, D. Rauer, C. Traidl-Hoffmann, and **H. Adler**: Pollen induce reactivation of latent herpesvirus and differentially affect infected and uninfected murine macrophages. (**Allergy** (2021): 76(5): 1539-1542. doi: 10.1111/all.14587).

Ziegler, C.G.K., Allon, S.J., [...], Adler, H., [...], Shalek, A.K., Ordovas-Montanes, J., HCA Lung Biological Network: SARS-CoV-2receptor ACE2 is an interferon-stimulated gene in human airway epithelial cells and is detected in specific cell subsets across tissues. (**Cell** (2020): 181(5): 1016-1035.e19. doi: 10.1016/j.cell.2020.04.035).

C. Sattler, F. Moritz, S. Chen, B. Steer, D. Kutschke, M. Irmeler, J. Beckers, O. Eickelberg, P. Schmitt-Kopplin, **H. Adler*** and T. Stoeger*: Nanoparticle exposure reactivates latent herpesvirus and restores a signature of acute infection (**Particle and Fibre Toxicology**, 14 (2017): 2. doi: 10.1186/s12989-016-0181-1). * (shared last authorship)

C. Sattler, B. Steer, and **H. Adler**: Multiple lytic origins of replication are required for optimal gammaherpesvirus fitness in vitro and in vivo (**PLoS Pathogens**, 12 (3) (2016): e1005510. doi: 10.1371/journal.ppat.1005510).

W. V. Bonilla, A. Fröhlich, K. Senn, S. Kallert, M. Fernandez, S. Johnson, M. Kreutzfeldt, A. N. Hegazy, C. Schrick, P. G. Fallon, R. Klemenz, S. Nakae, H. Adler, D. Merkler, M. Löhning and D. D. Pinschewer: The Alarmin Interleukin-33 Drives Protective Antiviral CD8⁺ T Cell Responses (**Science**, 335 (2012): 984-989. doi: 10.1126/science.1215418).

S. Andreansky, H. Liu, H. Adler, U.H. Koszinowski, S. Efsthathiou, and P.C. Doherty: The limits of protection by “memory” T cells in Ig^{-/-} mice persistently infected with a γ -herpesvirus (**Proceedings of the National Academy of Sciences of the USA**, 101 (2004): 2017-2022).

Stevenson, P.G., J.S. May, X.G. Smith, S. Marques, H. Adler, U.H. Koszinowski, J.P. Simas, and Efsthathiou, S.: K3-mediated evasion of CD8⁺ T cells aids amplification of a latent γ -herpesvirus (**Nature Immunology**, 3 (2002): 733-740).

Adler, H., Messerle, M., Wagner, M., and Koszinowski, U.H.: Cloning and mutagenesis of the murine gammaherpesvirus 68 genome as an infectious bacterial artificial chromosome. (**Journal of Virology**, 74 (2000): 6964-6974)

Adler, H., Beland, J.L., Kozlow, W., Del-Pan, N.C., Kobzik, L., and Rimm, I.J.: A role for transforming growth factor-beta 1 in the increased pneumonitis in murine allogeneic bone marrow transplant recipients with graft-versus-host disease after pulmonary herpes simplex virus-type 1 infection. (**Blood**, 92 (1998): 2581-2589)

Adler, H., Beland, J.L., Del-Pan, N.C., Kobzik, L., Brewer, J., Martin, T.R. and Rimm, I. J.: Suppression of Herpes simplex virus type 1 (HSV-1) induced pneumonia in mice by inhibition of inducible nitric oxide synthase (iNOS, NOS2). (**Journal of Experimental Medicine**, 185 (1997): 1533-1540)