

## *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 2023:** Research group leader in the Walther-Straub-Institute of Pharmacology and Toxicology, LMU Munich
- 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: 8063; h-index: 42; h-index since 2021: 22 (Google Scholar March 3<sup>rd</sup>, 2026)

## Top-10 selected Publications

A. Fischer, W. Han, S. Hu, M. Mück-Häusl, J. Wannemacher, S. Kadri, Y. Lin, R. Dai, S. Christ, Y. Su, B. Dasgupta, A. Sardogan, C. Deisenhofer, S. Dutta, A. Kadri, T. G. Guney, D. Correa-Gallegos, C. Mayr, R. Hatz, M. G. Stoleriu, M. Lindner, A. Hilgendorff, **H. Adler**, H.-G. Machens, H. Schiller, S. M. Hauck and Y. Rinkevich: Targeting pleuro-alveolar junctions reverses lung fibrosis in mice (**Nature Communications** (2025): 6, 173. <https://doi.org/10.1038/s41467-024-55596-x>).

L. Han, V. Haefner, Y. Yu, B. Han, H. Ren, M. Irmeler, J. Beckers, Q. Liu, A. Feuchtinger, A. O. Yildirim, **H. Adler\***, T. Stoeger\*: Nanoparticle exposure triggered virus reactivation induces lung emphysema in mice. (**ACS Nano** (2023): <https://doi.org/10.1021/acsnano.3c04111>). \* (shared last authorship)

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).

C. G. K. Ziegler, S. J. Allon, [...], **H. Adler**, [...], A. K. Shalek, J. Ordovas-Montanes, 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).

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

**H. Adler**, J. L. Beland, W. Kozlow, N. C. Del-Pan, L. Kobzik, and I. J. Rimm: 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).

**H. Adler**, J. L. Beland, N. C. Del-Pan, L. Kobzik, J. Brewer, T. R. Martin, and I. J. Rimm: 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).