

Curriculum Vitae
April 2020

Stefan Pöhlmann, Ph.D.

Infection Biology Unit, Head
Deutsches Primatenzentrum
Göttingen, Germany

Date of birth: 27 May 1970

Nationality: German

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Current position: Head of Infection Biology Unit, Deutsches Primatenzentrum and full professor at Georg-August-University Göttingen

Education:

- 2004: Habilitation in Virology
- 2000-2003: Postdoctoral fellow with Robert W. Doms, M.D., Ph.D.,
Department of Microbiology, University of Pennsylvania, USA.
- 1996-2000: Ph.D. thesis (*summa cum laude*) at the Institute of Clinical and
Molecular Virology, University of Erlangen-Nürnberg, Erlangen,
Germany with Frank Kirchhoff, Ph.D.
- 1989-1996: Study of Biology, University of Erlangen-Nürnberg, Erlangen,
Germany

Positions held:

- 2010 - Head of the Infection Biology Unit, Deutsches Primatenzentrum,
and full professor at the Georg-August-University Göttingen
- 2007-2010 Professor of Experimental Virology, Hannover Medical School
- 2003-2007: Head of a junior research group within SFB 466, Institute of
Virology, University Erlangen-Nürnberg
- 2000-2003: Department of Microbiology, University of Pennsylvania, PA,
USA. Postdoctoral fellow with Robert W. Doms, M.D., Ph.D.

Awards:

- 2011: AIDS Award of the H.W. & J. Hector foundation (jointly with G.
Behrens and A. Köhl)
- 2002: Robert-Koch Post Doc Award, Robert-Koch Foundation, Germany

Other:

Member of the editorial board of Journal of Virology,
Antimicrobial Agents and Chemotherapy, Journal of General
Virology and Viruses, Academic editor for PLoS ONE
Deputy member of the Zentrale Kommission für die Biologische
Sicherheit (ZKBS, Central Committee on Biological Safety)

Research interests:

- Virus-host cell interactions
- Viral zoonosis
- Emerging viruses
- Novel antiviral strategies
- Viruses of non-human primates

Selected publications

- 1) Hoffmann N., H. Kleine-Weber, S. Schroeder, N. Krüger, T. Herrler, S. Erichsen, T.S. Schiergens, G. Herrler, N.-H. Wu, A. Nitsche, M.A. Müller, C. Drosten, **S. Pöhlmann**. SARS-CoV-2 cell entry depends on ACE2 and TMPRSS2 and is blocked by a clinically-proven protease inhibitor. *Cell* in press.
- 2) Wrensch F., G. Ligat, L. Heydmann, C. Schuster, M.B. Zeisel, P. Pessaux, F. Habersetzer, B.J. King, A.W. Tarr, J. K. Ball, M. Winkler, **S. Pöhlmann**, Z.Y. Keck, S.K.H. Fong, Baumert TF. IFITMs mediate viral evasion in acute and chronic hepatitis C virus infection. *Hepatology*. 2019 **70**(5):1506-1520
- 3) Korniy N., A. Goyal, M. Hoffmann, E. Samatova, F. Peske, **S. Pöhlmann**, MV Rodnina. Modulation of HIV-1 Gag/Gag-Pol frameshifting by tRNA abundance. *Nucleic Acids Res*. 2019 **47**(10):5210-5222
- 4) Nehls J., R. Businger, M. Hoffmann, C. Brinkmann, B. Fehrenbacher, M. Schaller, B. Maurer, C. Schönfeld, D. Kramer, S. Hailfinger, **S. Pöhlmann** and M. Schindler. Release of Immunomodulatory Ebola Virus Glycoprotein-Containing Microvesicles Is Suppressed by Tetherin in a Species-Specific Manner. *Cell Rep*. 2019 **26**(7):1841-1853.e6.
- 5) Guo Y., C. Sakonsinsiri, I. Nehlmeier, M.A. Fascione, H. Zhang, W. Wang, **S. Pöhlmann**, W.B. Turnbull, D. Zhou. Compact, Polyvalent Mannose Quantum Dots as Sensitive, Ratiometric FRET Probes for Multivalent Protein-Ligand Interactions. *Angew Chem Int Ed Engl*. 2016 **55**(15):4738-42.
- 6) Kühl, A., J. Münch, D. Sauter, S. Bertram, I. Glowacka, I. Steffen, A. Specht, H. Hofmann, H. Schneider, G. Behrens and **S. Pöhlmann**. Calcium-modulating cyclophilin ligand does not restrict retrovirus release. *Nat Med*. 2010 **16**(2):155-6
- 7) Münch, J., L. Ständker, K. Adermann, A. Schulz, M. Schindler, R. Chinnadurai, **S. Pöhlmann**, C. Chaipan, T. Biet, T. Peters, B. Meyer, D. Wilhelm, H. Lu, W. Jing, S. Jiang, W.G. Forssmann and F. Kirchhoff. Discovery and optimization of a natural HIV-1 entry inhibitor targeting the gp41 fusion peptide. *Cell* 2007 **129**(2):263-75.
- 8) Hofmann, H., K. Pyrc, L. van der Hoek, M. Geier, B. Berkhout and **S. Pöhlmann**. Human coronavirus NL63 employs the severe acute respiratory syndrome coronavirus receptor for cellular entry. *Proc. Natl. Acad. Sci. U S A*. 2005 **102**(22):7988-93.

- 9) Turville, S.G., P.U. Cameron, A. Handley, G. Lin, **S. Pöhlmann**, R.W. Doms and A.L. Cunningham. Diversity of receptors binding HIV on dendritic cell subsets. *Nat. Immunol.* 2002 **3**(10): 975-83.
- 10) **Pöhlmann, S.**, E.J. Soilleux, F. Baribaud, G.J. Leslie, L.S. Morris, J. Trowsdale, B. Lee, N. Coleman and R.W. Doms. DC-SIGNR, a DC-SIGN homologue expressed in endothelial cells, binds to human and immunodeficiency viruses and activates infection in trans. *Proc. Natl. Acad. Sci. USA*, 2001 **98**(5): p. 2670-5.