

Ziebuhr, John, Prof. Dr.

Date and place of birth 01.02.1963, Leipzig

Institute of Medical Virology
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Position Professor, W3
Children 1 son (*1988)

1) Academic Education

1984-1990 Medical education, Friedrich Schiller University Jena

2) Advanced Professional Degrees

2002 Habilitation for Virology, University of Würzburg
1991-1995 Doctoral degree in Molecular Virology, Institute of Virology and Immunobiology, University of Würzburg (Dr. med., *summa cum laude*)
1992 Licence to practise medicine (Approbation)
1990 Diploma degree in Clinical Immunology (Dipl.-Med.), University of Jena
1990 Final state examination in Medicine, University of Jena

3) Positions Held

since 2010 Professor of Virology (Chair) and Director of the Institute of Medical Virology, University of Giessen
2006-2012 Professor (Chair) of Molecular Microbiology, Queen's University Belfast, United Kingdom
2008-2010 Director, Centre for Infection and Immunity, Queen's University Belfast, United Kingdom
2002-2005 Senior lecturer, Institute of Virology and Immunobiology, University of Würzburg
1995-2002 Senior research fellow, Institute of Virology and Immunobiology, University of Würzburg
1991-1995 Research fellow, Institute of Virology and Immunobiology, University of Würzburg
1990 Senior house officer, Clinical Immunology, University of Jena Medical Centre

4) Other Activities

Honors and Awards

2004 Loeffler Frosch Award (Society for Virology)
2000-2002 DFG habilitation stipend
1991-1993 DFG stipend for postgraduate studies

Other Professional Activities

since 2013 Deputy Speaker, DFG Collaborative Research Center 1021 "RNA viruses: RNA metabolism, pathogenesis and antiviral host response"
since 2012 Speaker, Biomedical Research Center, University of Giessen
2009-2015 Editor, Journal of General Virology

Memberships in Learned Societies

- Society for Virology
- Microbiology Society
- American Society for Microbiology
- American Society of Virology

5) Publications - 10 most important out of 108, H-index: 43 (Google Scholar, January 2018)

- 1) Müller C, Hardt M, Schwudke D, Neuman BW, Pleschka S, **Ziebuhr J** (2018). Inhibition of cytosolic phospholipase A2alpha impairs an early step of coronavirus replication in cell culture. **J Virol**, in press.
- 2) Kindler E, Gil-Cruz C, Spanier J, Li Y, Wilhelm J, Rabouw HH, Zust R, Hwang M, V'Kovski P, Stalder H, Marti S, Habjan M, Cervantes-Barragan L, Elliot R, Karl N, Gaughan C, van Kuppeveld FJ, Silverman RH, Keller M, Ludewig B, Bergmann CC, **Ziebuhr J**, Weiss SR, Kalinke U, Thiel V (2017). Early endonuclease-mediated evasion of RNA sensing ensures efficient coronavirus replication. **PLoS Pathog** 13: e1006195.
- 3) Snijder EJ, Decroly E, **Ziebuhr J** (2016). The nonstructural proteins directing coronavirus RNA synthesis and processing. **Adv Virus Res** 96: 59-126.
- 4) de Groot RJ, Baker SC, Baric RS, Brown CS, Drosten C, Enjuanes L, Fouchier RA, Galiano M, Gorbalenya AE, Memish ZA, Perlman S, Poon LL, Snijder EJ, Stephens GM, Woo PC, Zaki AM, Zambon M, **Ziebuhr J** (2013). Middle East respiratory syndrome coronavirus (MERS-CoV): announcement of the Coronavirus Study Group. **J Virol** 87: 7790-7792
- 5) Züst R, Cervantes-Barragan L, Habjan M, Maier R, Neuman BW, **Ziebuhr J**, Szretter KJ, Baker SC, Barchet W, Diamond MS, Siddell SG, Ludewig B, Thiel V (2011). Ribose 2'-O-methylation provides a molecular signature for the distinction of self and non-self mRNA dependent on the RNA sensor Mda5. **Nat Immunol** 12: 137-143.
- 6) Ricagno S, Egloff MP, Ulferts R, Coutard B, Nurizzo D, Campanacci V, Cambillau C, **Ziebuhr J**, Canard B (2006). Crystal structure and mechanistic determinants of SARS coronavirus nonstructural protein 15 define an endoribonuclease family. **Proc Natl Acad Sci USA** 103: 11892-11897.
- 7) Minskaia E, Hertzog T, Gorbalenya AE, Campanacci V, Cambillau C, Canard B, **Ziebuhr J** (2006). Discovery of an RNA virus 3'-5' exoribonuclease that is critically involved in coronavirus RNA synthesis. **Proc Natl Acad Sci USA** 103: 5108-5113.
- 8) Ziebuhr J (2004). Molecular biology of severe acute respiratory syndrome coronavirus. **Curr Opin Microbiol** 7: 412-419.
- 9) Ivanov KA, Hertzog T, Rozanov M, Bayer S, Thiel V, Gorbalenya AE, **Ziebuhr J** (2004). Major genetic marker of nidoviruses encodes a replicative endoribonuclease. **Proc Natl Acad Sci USA** 101: 12694-12699.
- 10) Anand K, **Ziebuhr J**, Wadhvani P, Mesters JR, Hilgenfeld R (2003). Coronavirus main proteinase (3CLpro) structure: basis for design of anti-SARS drugs. **Science** 300: 1763-1767.