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Academic Career

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| 1985 - 1990 | Studies in biology, Johannes Gutenberg University Mainz |
| 1990 - 1991 | Diploma thesis, Institute for Immunology, Johannes Gutenberg University Mainz (Prof. Dr. E. Rüde) under supervision of Dr. Reske |
| 1992 - 1993 | Doctorate, Institute for Microbiology, Department of Virology, University of Ulm (Prof. Dr. U.H. Koszinowski) under supervision of Prof. Dr. M.J. Reddehase |
| 1994 - 1996 | Doctorate, Institute for Virology, Johannes Gutenberg University Mainz (Prof. Dr. M.J. Reddehase) under supervision of Prof. Dr. M.J. Reddehase |
| 1996 - 1999 | Research Associate, Institute for Virology, Johannes Gutenberg University Mainz |
| 1999 - 2005 | Academic assistant (C1), Johannes Gutenberg University Mainz |
| 2003 - 2011 | Subproject leader SFB 490, <i>Invasion and Persistence during Infections</i> |
| Jan 2004 | Habilitation and Venia Legendi for „Virology and Infection Immunology“
University Medical Center of the Johannes Gutenberg University Mainz |
| Jun 2005 | Appointment as administrative counsellor (A13) for life |
| May 2011 | Appointment as administrative senior counsellor (A14) |
| Mai 2011 | Appointment as associative professor |

Awards

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| 2002 | Dagmar Eißner-Prize for young researchers in medicine, Johannes Gutenberg University Mainz |
| 2004 | Boehringer Ingelheim Prize |

Selected Publications

Reuter S*, Lemmermann NAW*, Maxeiner J, Podlech J, Beckert H, Freitag K, Teschner D, Ries F, Taube C, Buhl R, Reddehase MJ*, **Holtappels R*** (2019) Coincident airway exposure to low-potency allergen and cytomegalovirus sensitizes for allergic airway disease by viral activation of migratory dendritic cells. *PLoS Pathog* 15:e1007595.

Chopra M, Biehl M, Steinfatt T, Brandl A, Kums J, Amich J, Vaeth M, Kuen J, **Holtappels R**, Podlech J, Mottok A, Kraus S, Jordán-Garrote AL, Bäuerlein CA, Brede C, Ribechini E, Fick A, Seher A, Polz J, Ottmüller KJ, Baker J, Nishikii H, Ritz M, Mattenheimer K, Schwinn S, Winter T, Schäfer V, Krappmann S, Einsele H, Müller TD, Reddehase MJ, Lutz MB, Männel DN, Berberich-Siebelt F, Wajant H, Beilhack A (2016) Exogenous TNFR2 activation protects from acute GvHD via host T reg cell expansion. *J Exp Med* 213: 1881-900.

Holtappels R, Lemmermann NA, Podlech J, Ebert S, Reddehase MJ (2016) Reconstitution of CD8 T cells protective against cytomegalovirus in a mouse model of hematopoietic cell transplantation: dynamics and inessentiality of epitope immunodominance. *Front Immunol* 7: 232.

Ebert S*, Becker M *, Lemmermann NAW, Büttner JK, Michel A, Taube C, Podlech J, Böhm V, Freitag K, Thomas D, **Holtappels R***, Reddehase MJ*, Stassen M* (2014) Mast cells expedite control of pulmonary murine cytomegalovirus infection by enhancing the recruitment of protective CD8 T cells to the lungs. *PLoS Pathog* 10: e1004100.

Nauerth M, Weißbrich B, Knall R, Franz T, Dössinger G, Bet J, Paszkiewicz PJ, Pfeifer L, Bunse M, Uckert W, **Holtappels R**, Gillert-Marien D, Neuenhahn M, Krackhardt A, Reddehase MJ, Riddell SR, Busch DH (2013) TCR-ligand koff rate correlates with the protective capacity of antigen-specific CD8+ T cells for adoptive transfer. *Sci Transl Med* 5192: 192ra87.

Holtappels R, Ebert S, Podlech J, Fink A, Böhm V, Lemmermann NA, Freitag K, Renzaho A, Thomas D, Reddehase MJ (2013) Murine model for cytoimmunotherapy of CMV disease after hematopoietic cell transplantation. In: Cytomegaloviruses: from molecular pathogenesis to intervention. Edited by Reddehase M.J., Volume II, Chapter 17. *Caister Academic Press, Norfolk, UK*, pp 354-81.

Fink A, Lemmermann NA, Gillert-Marien D, Thomas D, Freitag K, Böhm V, Wilhelmi V, Reifenberg K, Reddehase MJ, **Holtappels R** (2012) Antigen presentation under the influence of 'immune evasion' proteins and its modulation by interferon-gamma: implications for immunotherapy of cytomegalovirus infection with antiviral CD8 T cells. *Med Microbiol Immunol* 201: 513-25.

Holtappels R, Podlech J, Pahl-Seibert MF, Jülch M, Thomas D, Simon CO, Wagner M, Reddehase MJ (2004) Cytomegalovirus misleads its host by priming of CD8 T cells specific for an epitope not presented in infected tissues. *J Exp Med* 199: 131-6.

Holtappels R, Thomas D, Reddehase MJ (2009) The efficacy of antigen processing is critical for protection against cytomegalovirus disease in the presence of viral immune evasion proteins. *J Virol*. 83: 9611-5.