

Prof. Dr. Ger van Zandbergen

*18.07.1971

Professor of Experimental Infection Immunology (W2)

Institute for Immunology
University Medical Center of the Johannes Gutenberg University Mainz
D-55131 Mainz, Langenbeckstr. 1
Tel.: +49-6131-176199, Fax: +49-6131-176202, zandbergen@uni-mainz.de
<http://www.immunologie-mainz.de>



Head of the Department for Immunology

Paul-Ehrlich Institute
Federal Institute for Vaccines and Biomedical Drugs
D-63225 Langen, Paul-Ehrlich-Str. 51-59
Tel.: 06103-772005, Fax: 06103-771253, ger.zandbergen@pei.de
<http://www.PEI.de>

Academia

- 1991 - 1995 Studies in biology (diploma), University of Groningen
- 1995 - 1999 Doctorate (PhD), Universities of Leiden and Utrecht (Prof. Daha, Prof. van der Winkel)
- 2009 Habilitation (apoptosis driven infections) and appointment as private lecturer for infection immunology, University Clinic Ulm

Career

- 2000 - 2007 Postdoc, Medical Microbiology and Hygiene, Lübeck (Prof. Solbach)
- 2005 - 2007 Working group leader, Atto-Lab GmbH, Lübeck
- 2007 - 2011 Working group leader, Medical Microbiology and Hygiene, Ulm (Prof. Stenger)
- since 5/2011 Head of department for immunology, Paul-Ehrlich Institute, Federal Institute for Vaccines and Biomedical Drugs, Langen, director and professor
- since 8/2014 University-Professor (W2), University Mainz, Experimental infection immunology

Awards and Memberships

- 2007 Certified Medical Immunobiologist (Dutch Research Association) (SMBWO)
- 2008 - 2012 Executive board member of European COST action: Life or death of protozoan parasites.
- since 2008 Speaker of the Working Group Infection Immunology of the German Society of Immunology (DGfI) and the German Society for Hygiene and Microbiology (DGHM)
- 2010 - 2015 Project coordinator of the research programme: Infection Biology of

Macrophages, University of Ulm, sponsored by the Carl-Zeiss foundation

since 2011 Executive board member of the Research Center for Immune Therapy (FZI),
Johannes Gutenberg University Mainz

Selected Publications

Aga E, Mukherjee A, Rane D, More V, Patil T, **van Zandbergen G**, Solbach W, Dandapat J, Tackenberg H, Ohms M, Sarkar A, Laskay T (2018): Type-1 interferons prolong the lifespan of neutrophils by interfering with members of the apoptotic cascade. *Cytokine* 112: 21-26.

Arens K, Filippis C, Kleinfelder H, Goetzee A, Crauwels P, Reichmann G, Waibler Z, Bagola K, **van Zandbergen G** (2018): Anti-Tumor Necrosis Factor α Therapeutics Differentially Affect Leishmania Infection of Human Macrophages. *Front Immunol* 9: Article 1772.

Schille S, Crauwels P, Bohn R, Bagola K, Walther P, **van Zandbergen G** (2018): LC3-associated phagocytosis in microbial pathogenesis. *Int J Med Microbiol* 308: 228-236.

Zimara N, Chanyalew M, Aseffa A, **van Zandbergen G**, Lepenies B, Schmid M, Weiss R, Rasclé A, Wege AK, Jantsch J, Schatz V, Brown GD, Ritter U (2018): Dectin-1 Positive Dendritic Cells Expand after Infection with Leishmania major Parasites and Represent Promising Targets for Vaccine Development. *Front Immunol* 9: 263.

Dietze-Schwonberg K, Grewe B, Brosch S, Kuharev J, **van Zandbergen G**, Rammensee HG, Tenzer S, von Stebut E (2017): In silico prediction of Leishmania major-specific CD8+ epitopes. *Exp Dermatol* 26: 838-840.

Filippis C, Arens K, Noubissi Nzeteu GA, Reichmann G, Waibler Z, Crauwels P, **van Zandbergen G** (2017): Nivolumab Enhances In Vitro Effector Functions of PD-1+ T-Lymphocytes and Leishmania-Infected Human Myeloid Cells in a Host Cell-Dependent Manner. *Front Immunol* 22: 1880.

Tasew G, Gadisa E, Abera A, Zewude A, Chanyalew M, Aseffa A, Abebe M, Ritter U, **van Zandbergen G**, Laskay T, Tafess K (2016): In vitro permissiveness of bovine neutrophils and monocyte derived macrophages to Leishmania donovani of Ethiopian isolate. *Parasit Vectors* 9: 218.

Waisman A, Hövelmeyer N, Diefenbach A, Schuppan D, Reddehase MJ, Kleinert H, Kaina B, Grabbe S, Galle PR, Theobald M, Zipp F, Sahin U, Türeci Ö, Kreiter S, Langguth P, Decker H, **van Zandbergen G**, Schild H (2016): Past, present and future of immunology in Mainz. *Cell Immunol* 308: 1-6.

Crauwels P, Bohn R, Thomas M, Gottwalt S, Jäckel F, Krämer S, Bank E, Tenzer S, Walther P, Bastian M, **van Zandbergen G** (2015): Apoptotic-like Leishmania exploit the host's autophagy machinery to reduce T-cell 1 mediated parasite elimination. *Autophagy* 11: 285-297.