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\*08.01.1969

Professor for Medical Microbiology  
Director of the Institute for Medical Microbiology and Hygiene (IMMH)

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**Academic education**

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| 2008        | Board Approval (Bayerische Landesärztekammer), Fellow in Clinical Microbiology and Infection Epidemiology (Facharzt für Mikrobiologie und Infektionsepidemiologie) |
| 1997        | Medical Approbation  |
| 1996        | Promotion (Dr. med.), Johannes Gutenberg University Mainz  |
| 1994 – 1995 | Studies of Human Medicine, Ludwig-Maximilians-University Munich  |
| 1989 – 1994 | Studies of Human Medicine, Johannes Gutenberg University Mainz   |

**Professional career**

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| since 2018  | Full Professor (W3) and Chair, Institute for Medical Microbiology and Hygiene (IMMH), Johannes Gutenberg-University Mainz  |
| 2015 – 2018 | Guest professor Microbiology and Infection Immunology, Facultad de Medicina, Universidad Catolica de Cordoba, Argentina  |
| 2010 – 2015 | Head Medical Microbiology, MVZ UroMik Salzgitter-Bad   |
| 2008 – 2018 | W3-Professor of Infection Immunology, Director, Institute of Infection Immunology, TWINCORE, Centre for Experimental and Clinical Infection Research / Hannover Medical School (MHH) |
| 2008        | Medical Specialist (Medical Microbiology, Infection Epidemiology and Hygiene) & nomination as Associate Professor (“Privatdozent”)   |
| 2002 – 2008 | Group leader and specialization in Medical Microbiology (Residency) at the Institute for Medical Microbiology, Immunology & Hygiene, Technical University Munich                     |
| 1999 – 2002 | Postdoctoral Fellow, Skirball Institute of Biomolecular Medicine (Laboratory of Prof. Dr. D. Littman), NY University Medical Center, New York  |
| 1996 – 1999 | Postdoctoral Fellow and Residency; Institute for Medical Microbiology, Immunology and Hygiene (Laboratory of Prof. H. Wagner), TU Munich   |

### Honors and Awards (selection)

2008	TUM / KrdI Habilitation Award
1999 – 2002	HHMI Postdoctoral Fellowship Award for Physicians
1999	DGHM Young Investigator Award (German Society of Microbiology & Hygiene)
1989 – 1995	German National Scholarship Foundation (“Studienstiftung des deutschen Volkes”)

### Publications (selection)

Mamareli, P., F. Kruse, C.W. Lu, M. Guderian, S. Floess, K. Rox, D.S.J. Allan, J.R. Carlyle, M. Bronstrup, R. Muller, L. Berod, **T. Sparwasser**\*, and M. Lochner\*. 2020. Targeting cellular fatty acid synthesis limits T helper and innate lymphoid cell function during intestinal inflammation and infection. *Mucosal Immunol.* \*equal contribution

Almeida, L., A. Dhillon-LaBrooy, C.N. Castro, N. Ayele, J. Bartel, G.M. Carriche, M. Guderian, S. Lippens, S. Dennerlein, C. Hesse, B.N. Lambrecht, L. Schauser, B.R. Blazar, M. Kalesse, R. Müller, L.F. Moita and **T. Sparwasser**. 2019. Ribosome-targeting antibiotics impair T cell effector function and ameliorate autoimmunity by blocking mitochondrial protein synthesis. bioRxiv 832956.

Raud, B., D.G. Roy, A.S. Divakaruni, T.N. Tarasenko, R. Franke, E.H. Ma, B. Samborska, W.Y. Hsieh, A.H. Wong, P. Stuve, C. Arnold-Schrauf, M. Guderian, M. Lochner, S. Rampertaap, K. Romito, J. Monsale, M. Bronstrup, S.J. Bensinger, A.N. Murphy, P.J. McGuire, R.G. Jones, **T. Sparwasser**\*, and L. Berod\*. 2018. Etomoxir Actions on Regulatory and Memory T Cells Are Independent of Cpt1a-Mediated Fatty Acid Oxidation. *Cell Metab* 28:504-515 e507. \*equally contributed

Puttur, F., M. Francozo, G. Solmaz, C. Bueno, M. Lindenberg, M. Gohmert, M. Swallow, D. Tufa, R. Jacobs, S. Lienenklaus, A.A. Kuhl, L. Borkner, L. Cicin-Sain, B. Holzmann, H. Wagner, L. Berod, and **T. Sparwasser**. 2016. Conventional Dendritic Cells Confer Protection against Mouse Cytomegalovirus Infection via TLR9 and MyD88 Signaling. *Cell Rep* 17:1113-1127.

Dudek, M., F. Puttur, C. Arnold-Schrauf, A.A. Kuhl, B. Holzmann, B. Henriques-Normark, L. Berod, and **T. Sparwasser**. 2016. Lung epithelium and myeloid cells cooperate to clear acute pneumococcal infection. *Mucosal Immunol* 9:1288-1302.

Berod, L., C. Friedrich, A. Nandan, J. Freitag, S. Hagemann, K. Harmrolfs, A. Sandouk, C. Hesse, C.N. Castro, H. Bahre, S.K. Tschirner, N. Gorinski, M. Gohmert, C.T. Mayer, J. Huehn, E. Ponimaskin, W.R. Abraham, R. Muller, M. Lochner, and **T. Sparwasser**. 2014. De novo fatty acid synthesis controls the fate between regulatory T and T helper 17 cells. *Nat Med* 20:1327-1333.

Mayer, C.T., P. Ghorbani, A. Nandan, M. Dudek, C. Arnold-Schrauf, C. Hesse, L. Berod, P. Stuve, F. Puttur, M. Merad, and **T. Sparwasser**. 2014. Selective and efficient generation of functional Batf3-dependent CD103+ dendritic cells from mouse bone marrow. *Blood*

124:3081-3091.

Arnold-Schrauf, C., M. Dudek, A. Dielmann, L. Pace, M. Swallow, F. Kruse, A.A. Kuhl, B. Holzmann, L. Berod, and **T. Sparwasser**. 2014. Dendritic cells coordinate innate immunity via MyD88 signaling to control *Listeria monocytogenes* infection. *Cell Rep* 6:698-708.

Puttur, F., C. Arnold-Schrauf, K. Lahl, G. Solmaz, M. Lindenberg, C.T. Mayer, M. Gohmert, M. Swallow, C. van Helt, H. Schmitt, L. Nitschke, B.N. Lambrecht, R. Lang, M. Messerle, and **T. Sparwasser**. 2013. Absence of Siglec-H in MCMV infection elevates interferon alpha production but does not enhance viral clearance. *PLoS Pathog* 9:e1003648.

Mayer, C.T., P. Ghorbani, A. Nandan, M. Dudek, C. Arnold-Schrauf, C. Hesse, L. Berod, P. Stuve, F. Puttur, M. Merad, and **T. Sparwasser**. 2014. Selective and efficient generation of functional Batf3-dependent CD103+ dendritic cells from mouse bone marrow. *Blood* 124:3081-3091.

Klages, K., C.T. Mayer, K. Lahl, C. Loddenkemper, M.W. Teng, S.F. Ngiow, M.J. Smyth, A. Hamann, J. Huehn, and **T. Sparwasser**. 2010. Selective depletion of Foxp3+ regulatory T cells improves effective therapeutic vaccination against established melanoma. *Cancer Res* 70:7788-7799.

Lahl, K., C. Loddenkemper, C. Drouin, J. Freyer, J. Arnason, G. Eberl, A. Hamann, H. Wagner, J. Huehn, and **T. Sparwasser**. 2007. Selective depletion of Foxp3+ regulatory T cells induces a scurfy-like disease. *J Exp Med* 204:57-63.