

Prof. Frank Tacke, MD, PhD

1 | General information

Contact details: Department of Hepatology and Gastroenterology; Charité – Universitätsmedizin Berlin, Campus Charité Mitte (CCM) and Campus Virchow-Klinikum (CVK)
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Current position: Professor of Internal Medicine and Gastroenterology / Hepatology (W3), Director Department of Hepatology and Gastroenterology, Charité – Universitätsmedizin Berlin, Campus Charité Mitte (CCM) and Campus Virchow-Klinikum (CVK)

Researcher unique identifier(s): ORCID-ID: 0000-0001-6206-0226, Researcher ID ABF-2212-2020

2 | Academic education

2002 – 2004 PhD Post-graduate Program “Molecular Medicine”, Hannover
1994 – 2001 Medical School, Medizinische Hochschule Hannover (clinical electives: Baylor College of Medicine, Houston, TX, USA)
1997 – 1998 Research Fellowship, MD Anderson Cancer Center, Houston, TX, USA

3 | Advanced academic qualifications:

2014 Master of Health and Business Administration (MHBA)
2007 Habilitation and *venia legendi*, Internal Medicine, “*Pathomechanisms and prognostic factors in chronic liver diseases*”, RWTH Aachen (Mentor: Christian Trautwein)
2004 PhD thesis, Gastroenterology & Hepatology, “*Molecular mechanisms of Hepatitis B virus replication*”, Medical School Hannover (Supervisor: Christian Trautwein)
2002 MD thesis, Hematology & Oncology, “*Thrombopoietin in chronic liver diseases*”, Medical School Hannover (Supervisor: Arnold Ganser)

4 | Postgraduate professional career:

Since 2019 W3 Professor Internal Medicine and Hepatology/Gastroenterology, Department Head, CCM/CVK, Charité – Universitätsmedizin Berlin
2019 German board certification *Endocrinology & Diabetology*
2014 German board certification *Infectious Diseases*
2012 W2 Professor of Hepato-Gastroenterology, RWTH Aachen
2012 German board certification *Intensive Care Medicine*
2011 German board certification *Gastroenterology*
2008 German board certification *Internal Medicine*
2006 – 2019 Medical Department III, RWTH University Aachen
2004 – 2006 Postdoc Fellow, Mount Sinai School of Medicine, New York, NY, USA
2001 – 2004 PhD and Internal Medicine Residency, Hannover Medical School

5 | Other:

Awards/Honors

- Course Director, EASL NAFLD Summit, Dublin, Ireland (2022)
- Highly Cited Researcher 2021 and 2020 („Cross-field“), Web of Science (2020 and 2021)
- Course Director, AASLD-EASL joint conference “Endpoints in NAFLD”, Washington, USA (2018)
- Course Director, Basic Science Symposium “Targetable pathways in liver diseases”, International Liver Congress, Paris, France (2018)

- Course Director, Postgraduate Course “Multidisciplinary Hepatology”, International Liver Congress 2017, Amsterdam, The Netherlands (2017)
- Course Director, EASL School of Hepatology, Aachen, Germany (2017)
- Emmy Noether-Fellow, German Research Foundation (2007 - 2015)
- Rising Star Award (United European Gastroenterology Federation) (2011)
- Friedrich-Wilhelm-Award, RWTH Aachen, Germany (2008)
- Young Investigator Award, European Macrophage and Dendritic Cell Society (2005)

Other professional activities:

- European guideline coordinator “Nonalcoholic fatty liver disease” (EASL) (2022)
- Guideline coordinator “Nonalcoholic fatty liver disease” (DGVS) (since 2020)
- Co-Editor Journal of Hepatology (since 2019)
- Co-Editor Deutsche Medizinische Wochenschrift (Section Gastroenterology, DGIM, 2016 - 2021)
- Guideline coordinator “Covid-19 and Liver transplantation” (DGVS) (2020 – 2021)
- Visiting Professor (10%), Faculty of Medicine, Univ. of Oslo, Norway (2016 – 2017)
- EASL International Liver Foundation (EILF), Foundation Committee (2017 – 2019)
- Governing Board of the European Association for the Study of the Liver (EASL) (2014 – 2019), Vice Secretary General (2017-2019)
- Editorial board: Hepatology, Gastroenterology, Nat Rev Gastroenterol Hepatol (since 2020)
- Guidelines: DGVS Liver transplantation (working group leader), EASL Hepatitis B (core group), DGVS Hepatitis B (working group leader), DGVS Autoimmune liver diseases (working group leader), DGVS Gastrointestinal bleeding (working group leader), DGVS Pancreatitis (member)

6 | Selected publications:

1. Lefere S, Puengel T, Hundertmark J, Penners C, Frank AK, Guillot A, de Muynck K, Heymann F, Adarbes V, Defrêne E, Estivalet C, Geerts A, Devisscher L, Wettstein G, **Tacke F**. Differential effects of selective- and pan-PPAR agonists on experimental steatohepatitis and hepatic macrophages. **J Hepatol** 2020; 73(4):757-770
2. Krenkel O, Hundertmark J, Abdallah AT, Kohlhepp M, Puengel T, Roth T, Branco DPP, Mossanen JC, Luedde T, Trautwein C, Costa IG, **Tacke F**. Myeloid cells in liver and bone marrow acquire a functionally distinct inflammatory phenotype during obesity-related steatohepatitis. **Gut** 2020; 69(3):551-563
3. Mossanen JC, Kohlhepp M, Wehr A, Krenkel O, Liepelt A, Roeth AA, Möckel D, Heymann F, Lammers T, Gassler N, Hermann J, Jankowski J, Neumann UP, Luedde T, Trautwein C, **Tacke F**. CXCR6 Inhibits Hepatocarcinogenesis by Promoting Natural Killer T- and CD4+ T-Cell-Dependent Control of Senescence. **Gastroenterology** 2019; 156(6):1877-1889.e4
4. Krenkel O, Puengel T, Govaere O, Abdallah AT, Mossanen JC, Kohlhepp M, Liepelt A, Lefebvre E, Luedde T, Hellerbrand C, Weiskirchen R, Longerich T, Costa IG, Anstee QM, Trautwein C, **Tacke F**. Therapeutic Inhibition of Inflammatory Monocyte Recruitment Reduces Steatohepatitis and Liver Fibrosis. **Hepatology** 2018; 67:1270-1283
5. Krenkel O, **Tacke F**. Liver macrophages in tissue homeostasis and disease. **Nat Rev Immunol** 2017; 17(5):306-321
6. Heymann F, **Tacke F**. Immunology in the liver--from homeostasis to disease. **Nat Rev Gastroenterol Hepatol** 2016; 13(2):88-110
7. Heymann F, Peusquens J, Ludwig-Portugall I, Kohlhepp M, Ergen C, Niemietz P, Martin C, van Rooijen N, Ochando JC, Randolph GJ, Luedde T, Ginhoux F, Kurts C, Trautwein C, **Tacke F**. Liver inflammation abrogates immunological tolerance induced by Kupffer cells. **Hepatology** 2015; 62(1):279-91
8. Baeck C, Wehr A, Karlmark KR, Heymann F, Vucur M, Gassler N, Huss S, Klussmann S, Eulberg D, Luedde T, Trautwein C, **Tacke F**. Pharmacological inhibition of the chemokine CCL2 (MCP-1) diminishes liver macrophage infiltration and steatohepatitis in chronic hepatic injury. **Gut** 2012; 61(3):416-26
9. **Tacke F**, Alvarez D, Kaplan TJ, Jakubzick C, Spanbroek R, Llodra J, Garin A, Liu J, Mack M, van Rooijen N, Lira SA, Habenicht AJ, Randolph GJ. Monocyte subsets differentially employ CCR2, CCR5, and CX3CR1 to accumulate within atherosclerotic plaques. **J Clin Invest** 2007; 117(1):185-94
10. **Tacke F**, Ginhoux F, Jakubzick C, van Rooijen N, Merad M, Randolph GJ. Immature monocytes acquire antigens from other cells in the bone marrow and present them to T cells after maturing in the periphery. **J Exp Med** 2006; 203(3):583-97