

Tacke, Frank, Prof., MD, PhD (B02)**Personal Data**

Title	Prof. Dr. med.
First name	Frank
Name	Tacke
Current position	Professor of Internal Medicine and Gastroenterology / Hepatology (W3), Director; permanent position
Current institution(s)/site(s), country	Department of Hepatology and Gastroenterology Charité – Universitätsmedizin Berlin, Campus Charité Mitte (CCM) and Campus Virchow-Klinikum (CVK), Augustenburger Platz 1, 13353 Berlin, Germany
Identifiers/ORCID	Researcher ID ABF-2212-2020, ORCID-ID: 0000-0001-6206-0226

Qualifications and Career

Stages	Periods and Details
Degree programme: Medicine	1994 – 2001, Medizinische Hochschule Hannover (MHH), Germany (clinical electives: Baylor College of Medicine, Houston, TX, USA)
Doctorate: MD thesis	08.08.2002: Supervisor: Arnold Ganser, “ <i>Thrombopoietin in chronic liver diseases</i> ”, Medizinische Hochschule Hannover (MHH), Germany
Doctorate: PhD thesis	12.11.2004: Supervisor: Christian Trautwein, “ <i>Hepatitis B virus replication</i> ”, Medizinische Hochschule Hannover (MHH), Germany
Stages of academic / professional career	
Since 2019	Professor of Internal Medicine and Gastroenterology / Hepatology (W3) and Director Department of Hepatology and Gastroenterology, Charité – Universitätsmedizin Berlin, Campus Charité Mitte (CCM) and Campus Virchow-Klinikum (CVK), Germany
2019	Board certification <i>Endocrinology & Diabetology</i>
2014	Master of Health and Business Administration (MHBA), University Erlangen-Nuremberg, Germany
2014	Board certification <i>Infectious Diseases</i>
2012	Professor of Hepato-Gastroenterology (W2), RWTH Aachen University, Germany
2012	Board certification <i>Intensive Care Medicine</i>
2011	Board certification <i>Gastroenterology</i>
2008	Board certification <i>Internal Medicine</i>
2007	Habilitation and <i>venia legendi</i> , RWTH Aachen University, Germany
2006 – 2019	Resident/Senior Consultant/ Professor (W2), Medical Department III, RWTH Aachen University, Germany

2004 – 2006	Postdoctoral Fellow (DFG stipend), Mount Sinai School of Medicine, New York, NY, USA
2002 – 2004	PhD Post-graduate Program “ <i>Molecular Medicine</i> ”, Medizinische Hochschule Hannover (MHH), Germany
2001 – 2004	PhD and Internal Medicine Residency, Medizinische Hochschule Hannover (MHH), Germany
1997 – 1998	Research Fellowship, MD Anderson Cancer Center, Houston, TX, USA

Engagement in the Research System

- Walter-Siegenthaler-Society, Congress President, Cologne, Germany (2024)
- European guideline coordinator “Nonalcoholic fatty liver disease” (EASL, EASD, EASO) (since 2022)
- National guideline coordinator “Nonalcoholic fatty liver disease” (DGVS) (2020 – 2022)
- Co-Editor *Journal of Hepatology* (IF 30.1) (since 2019); Deutsche Medizinische Wochenschrift (Section Gastroenterology, DGIM – Clinical Competence) (2016 – 2021)
- Editorial board (selected): Hepatology, Gastroenterology, Nat Rev Gastroenterol Hepatol
- Course Director EASL Research Think Tank NAFLD, Vienna, Austria (2023); EASL NAFLD Summit, Dublin, Ireland (2022); AASLD-EASL joint conference “Endpoints in NAFLD”, Washington, USA (2018); Basic Science Symposium “Targetable pathways in liver diseases”, International Liver Congress, Paris, France (2018); Postgraduate Course “Multidisciplinary Hepatology”, International Liver Congress 2017, Amsterdam, The Netherlands (2017); EASL School of Hepatology, Aachen, Germany (2017)
- Guideline coordinator “Covid-19 and Liver transplantation” (DGVS) (2020 – 2022)
- Member of the expert pool, Federal Joint Committee (Gemeinsamer Bundesausschuss) (since 2020)
- EASL International Liver Foundation (EILF), Foundation Committee (2017 – 2019)
- Visiting Professor, Faculty of Medicine, Univ. of Oslo, Norway (2016 – 2017)
- Governing Board of the European Association for the Study of the Liver (EASL), in a final step (2017 – 2019): Vice Secretary General (2014 – 2019)
- Participation in Research Consortia (selected): DEEP-HCC (BMBF, since 2021), ImmuneAvatar (BMBF, since 2020), SFB/TR 57 Organ fibrosis (2009 – 2020, steering committee), SFB 1382 Gut-liver axis (since 2019), SFB/TR 296 LocoTact (since 2020)
- Other Guidelines: ESPEN/UEG Obesity care in GI and liver diseases (core group), DGEM Nutrition in liver diseases (working group leader), 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)

Scientific Results

Category A, * contributed equally, # open access

1. Guillot A, Winkler M, Silva Afonso M, Aggarwal A, Lopez D, Berger H, Kohlhepp MS, Liu H, Özdirik B, Eschrich J, Ma J, Peiseler M, Heymann F, Pendem S, Mahadevan S, Gao B, Diehl L, Gupta R, **Tacke F**. Mapping the hepatic immune landscape identifies monocytic

- macrophages as key drivers of steatohepatitis and cholangiopathy progression. **Hepatology** 2023 Jan 13. doi: 10.1097/HEP.000000000000270.
2. Lefere S, Puengel T, Hundertmark J, Penners C, Frank AK, Guillot A, de Muynck K, Heymann F, Adarbes V, Defrène 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. doi: 10.1016/j.jhep.2020.04.025.
 3. 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. doi: 10.1136/gutjnl-2019-318382.
 4. 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. doi: 10.1053/j.gastro.2019.01.247.
 5. 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. doi: 10.1002/hep.29544.
 6. Krenkel O, **Tacke F**. Liver macrophages in tissue homeostasis and disease. **Nat Rev Immunol** 2017; 17(5):306-321. doi: 10.1038/nri.2017.11.
 7. Heymann F, **Tacke F**. Immunology in the liver--from homeostasis to disease. **Nat Rev Gastroenterol Hepatol** 2016; 13(2):88-110. doi: 10.1038/nrgastro.2015.200.
 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. doi: 10.1136/gutjnl-2011-300304.
 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. doi: 10.1172/JCI28549. #
 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. doi: 10.1084/jem.20052119. #

Academic Distinctions

- Highly Cited Researcher „Cross-field“, 2020 – 2022, Web of Science (2020 – 2022)
- Rising Star Award (United European Gastroenterology Federation) (2011)
- Emmy Noether Research Group Leader (Ta434/2-1, 2007 – 2012)
- Friedrich-Wilhelm-Award, RWTH Aachen, Germany (2008)

- Young Investigator Award, European Macrophage and Dendritic Cell Society (2005)

Collaborators

No.	Collaboration partners	Location/Institution
1	Percy Knolle	Munich, Germany, Technische Universität München
2	Tom Lüdde	Düsseldorf, Germany, UKD Düsseldorf
3	Nir Friedman / Eithan Galun	Jerusalem, Israel, Hebrew University
4	Mathias Heikenwälder	Heidelberg, Germany, DKFZ
5	Rajiv Jalan	London, UK, University College London
6	Jochen Hampe	Dresden, Germany, Technische Universität (TUD)
7	Christian Trautwein	Aachen, Germany, RWTH University Aachen
8	Jonel Trebicka	Frankfurt, Germany, Universitätsklinikum Frankfurt
9	Ralf Weiskirchen	Aachen, Germany, RWTH University Aachen
10	Paul Kubes	Calgary, Canada, University of Calgary
11	Robert F. Schwabe	New York, USA, Columbia University