

Prof. Robert Schwabe, MD (Mercator-Fellow)

1 | General information

Contact details: Department of Hepatology and Gastroenterology, Charité -
Universitätsmedizin Berlin Campus Charité Mitte (CCM) and
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Current position: BIH Visiting Professor, Internal Medicine and Gastroenterology / Hepatology, Charité
– Universitätsmedizin Berlin, and Professor of Medicine, Columbia University, New
York, NY, USA

Researcher unique identifier(s): ORCID-ID: 0000-0003-4571-2098

2 | Academic education

1989 – 1996 Medical School, University of Heidelberg, and Ludwig-Maximilians University, Munich

3 | Advanced academic qualifications:

1998 MD thesis, Immunology, “Soluble CD40 and blocking CD40 by monoclonal antibodies”,
Ludwig-Maximilians University, Munich (Supervisor: Gert Riethmüller)

4 | Postgraduate professional career:

Since 2020 Professor of Medicine, Columbia University, New York, NY, USA
2013 – 2020 Associate Professor of Medicine with Tenure, Columbia University, New York, NY, USA
2003 – 2013 Assistant Professor of Medicine, Columbia University, New York, NY, USA
2002 Instructor of Medicine, University of North Carolina at Chapel Hill, USA
1999 – 2002 Postdoctoral Fellow, University of North Carolina at Chapel Hill, USA (Mentor: David
Brenner)
1997 – 1998 Internal medicine residency, Department of Medicine IV, Ruprecht-Karls-University

5 | Other:

Awards/Honors

- Harold and Golden Lamport Award - Award for Excellence in Clinical Science Research (2012)
- AGA Research Scholar Award (2003 – 2006)
- AASLD Advanced Postdoctoral Fellowship Award (2001)
- ALF Postdoctoral Fellowship Award (2000)

Selected other professional activities:

- Editor Journal of Hepatology Reports (since 2018)
- Leader, Cancer Regulatory Networks (CRN) program, Herbert Irving Comprehensive Cancer Center (2016 – 2018)
- Associate Editor, Seminars in Liver Diseases (2016 – 2018)
- Member, HBPP NIH study (2014 – 2020)
- Associate Editor, Gastroenterology (2011 – 2016)
- Associate Editor, Journal of Hepatology (2009 – 2014)

6 | Selected publications:

1. Affo S, Nair A, Brundu F, Ravichandra A, Bhattacharjee A, Matsuda M, Chin L, Filliol A, Wen W, Song X, Decker A, Worley J, Caviglia JM, Yu L, Yin D, Saito Y, Savage T, Wells RG, Mack M, Zender L, Arpaia N, Remotti HE, Rabadan R, Sims P, Leblond AL, Weber A, Riener MO, Stockwell BR, Gaublotme J, Llovet JM, Sia D, Michalopoulos GK, Seki E, Chen X, Califano A, **Schwabe RF**. Promotion of Cholangiocarcinoma Growth by Diverse Cancer-associated Fibroblast Subpopulations. **Cancer Cell** 2021; S1535-6108(21)00170-7
2. Bhattacharjee S, Hamberger F, Ravichandra A, Miller M, Nair A, Affo S, Filliol A, Chin L, Savage TM, Yin D, Wirsik NM, Mehal A, Arpaia N, Seki N, Mack M, Zhu D, Sims PA, Stanger BZ, Olive KP, Schmidt T, Wells RG, Mederacke I, **Schwabe RF**. Tumor restriction by type I collagen opposes tumor-promoting effects of cancer-associated fibroblasts. **J Clin Invest** 2021; 146987
3. **Schwabe RF**, Tabas I, Pajvani UB. Mechanisms of Fibrosis Development in Nonalcoholic Steatohepatitis. **Gastroenterology** 2020; 158(7):1913-1928
4. Hernandez C, Huebener P, Pradere JP, Antoine DJ, Friedman RA, **Schwabe RF**. HMGB1 links chronic liver injury to progenitor responses and hepatocarcinogenesis. **J Clin Invest** 2018; 128(6):2436-2451
5. **Schwabe RF**, Luedde T. Apoptosis and necroptosis in the liver: a matter of life and death. **Nat Rev Gastroenterol Hepatol**. 2018; 15(12):738-752
6. Huebener P, Pradere JP, Hernandez C, Gwak GY, Caviglia JM, Mu X, Loike JD, Jenkins RE, Antoine DJ, **Schwabe RF**. The HMGB1/RAGE axis triggers neutrophil-mediated injury amplification following necrosis. **J Clin Invest** 2015; 125(2):539-50
7. Huebener P, Gwak GY, Pradere JP, Quinzii C, Friedman R, Lin CS, Trent CM, Mederacke I, Zhao E, Dapito DH, Lin Y, Goldberg IJ, Czaja MJ, **Schwabe RF**. High Mobility Group Box 1 is Dispensable for Autophagy, Mitochondrial Quality Control and Organ Function in Vivo. **Cell Metabolism** 2014; 19(3):539-47
8. Mederacke I, Hsu CC, Troeger JS, Huebener P, Mu X, Dapito DH, Pradere JP, **Schwabe RF**. Fate tracing reveals hepatic stellate cells as dominant contributors to liver fibrosis independent of its aetiology. **Nat Commun** 2013; 4:2823
9. Dapito D, Mencin A, Gwak GY, Pradere JP, Jang MK, Mederacke I, Caviglia JM, Khiabani H, Adeyemi A, Bataller R, Lefkowitz JH, Bower M, Friedman R, Sartor RB, Rabadan R, **Schwabe RF**. Promotion of Hepatocellular Carcinoma by the Intestinal Microbiota and TLR4. **Cancer Cell** 2012; 21(4):504-16
10. Seki E, De Minicis S, Osawa Y, Oesterreicher C, Brenner DA and **Schwabe RF**. TLR4 Enhances TGF- β Signaling and Hepatic Fibrosis. **Nat Med** 2007; 13:1324-32