

## Markus Cornberg

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Clinical Director  
Director of Centre for Individualised Infection Medicine  
Helmholtz Centre for Infection Research



### Personal statement

I have a long-standing interest in immunology and infectious diseases. Since 2000 I have been co-principal investigator in several clinical trials in viral hepatitis. I was involved in the foundation of the German Competence Network for Viral Hepatitis (Hep-Net) and the German Liver Foundation. After my postdoctoral fellowship at the UMASS Medical School in Worcester (USA), I established a basic immunology research lab. My long-term goal is the optimization of prevention, diagnosis and treatment of infectious diseases.

### Recent Research Focus

Individualizing prevention, diagnosis and treatment of patients with viral hepatitis and patients with liver cirrhosis and infections.

### Degrees

MD, Hannover Medical School (2000)

Medical Doctorate at Hannover Medical School (2000)

Venia legendi, Hannover Medical School (2011)

Certified specialist in gastroenterology (2011) and infectious diseases (2014)

Professor of Medicine, Hannover Medical School (W2 2016, W3 2022)

### Major previous appointments

Deputy Director, Department of Gastroenterology, Hepatology and Endocrinology, Hannover Medical School

Professor (W3) for Infectious Disease with Emphasis on Hepatology, Hannover Medical School, Hannover

### Publications (five most important)

Aliabadi E. *et al.* and Cornberg, M. of HBsAg and HBcrAg levels on phenotype and function of HBV-specific T cells in patients with chronic hepatitis B virus infection. *Gut*. 2021. [gutjnl-2021-324646](#).

Soon, C.F. *et al.* and Cornberg, M. Defining Virus-specific CD8+ TCR Repertoires for Therapeutic Regeneration of T Cells against Chronic Hepatitis E. *J Hepatol*. 2019; 71(4):673-684.

Rinker, F. *et al.* and Cornberg, M. Hepatitis B virus-specific T cell responses after stopping nucleos(t)ide analogue therapy in HBeAg-negative chronic hepatitis B. *J Hepatol*. 2018; 69:584-593.

Waggoner, S. N., Cornberg, M., Selin, L. K., Welsh, R. M. Natural killer cells act as rheostats modulating antiviral T cells. *Nature* 2012; 481:394-398.

Cornberg, M. *et al.* and Selin, L. K. Narrowed TCR repertoire and viral escape as a consequence of heterologous immunity. *J Clin Invest* 2006; 116:1443-1456.

### Activities in the scientific community / Professional memberships (selection)

Associate Editor of the Journal of Hepatology (IF 25.083)

Medical CEO of the German Liver Foundation

Member of the Scientific Committee and Governing Board of the European Association for the Study of The Liver (EASL) 2017-2020

Coordinator of the German Hepatitis B Guideline

Coordinator of the structured doctoral programme "KlinStrucMed" at MHH

Member of the coordinating committee of the Federal Ministry of Health "BIS 2030 - Strategy for the containment of HIV, hepatitis B and C and other sexually transmitted infections"

### Further information on research activities

<https://www.ciim-hannover.de>