

Prof. Dr. Johannes Bode



Deputy Director – Clinic for Gastroenterology, Hepatology
and Infectiology – University Hospital Düsseldorf

Role in LiSyM-Cancer

- Co-Coordinator in C-TIP-HCC
- Data and samples from time resolved preclinical WD mouse models of MASLD/NAFLD, MASH/NASH, fibrosis, cirrhosis and HCC, co-cultivation models, IF and multicolor flow-cytometry analysis, FACS-based cell sorting, ncounter nanostring technology and single cell sequencing including “CITE-Technology”
- Provides serum, plasma and whole blood samples obtained during a TIPS procedure in patients with liver cirrhosis; longitudinal peripheral venous serum, plasma and whole blood samples; HCC tissue samples and corresponding controls from tumor surgeries

Expertise

- Expert in clinical, translational and experimental Hepatology, focus on hepato-immunology
- Gastroenterology, hepatology, liver cirrhosis & complications
- Interventional hepatology - in particular transjugular intrahepatic portocaval shunt (TIPS) insertion
- Diagnostic and interventional endoscopy
- Liver regeneration
- MASLD, MetALD, cirrhosis development and hepatobiliary tumors with a focus on pathogenesis of HCC
- Innate Immunity, Macrophages & macrophage polarization, Acute phase response, signal-transduction focusing on stress-kinase signaling and protease-activated receptors.
- Pathogen-host interaction
- Systems biology

Degrees

- Since 2010, appointed W2-Professor for Hepato-Immunology, Medical Faculty, Heinrich-Heine-University of Düsseldorf
- 2004, Habilitation in internal medicine, Heinrich Heine University Düsseldorf
- 1997 Doctorate, Immunopathological Laboratory, Eberhard Karls University of Tübingen
- 1989-1995 Medical studies at the Eberhard Karls University of Tübingen

Professional Experience

- Since 2020, Deputy Director, Clinic for Gastroenterology, Hepatology and Infectiology, University Hospital Düsseldorf
- 2012-2020, Head Senior Consultant, Clinic for Gastroenterology, Hepatology and Infectiology, University Hospital Düsseldorf
- 2012 - 2021, Deputy spokesperson and project manager, Collaborative Research Centre 974
- Since 2007, Specialist in Gastroenterology
- Since 2005, Senior Physician, Clinic for Gastroenterology, Hepatology and Infectiology, University Hospital Düsseldorf
- 2004-2005, University lecturer (C2), Clinic for Gastroenterology, Hepatology and Infectiology, University Hospital Düsseldorf
- 2004 Specialist in internal medicine
- 2000-2004 Resident, Clinic for Gastroenterology, Hepatology and Infectiology, University Hospital Düsseldorf
- 1998-2000 DFG fellowship, Institute of Biochemistry, RWTH Aachen University (Director: Prof Dr Peter C. Heinrich)
- 1996-1998 Trainee doctor, then assistant doctor, Clinic for Gastroenterology, Hepatology and Infectiology, University Hospital Düsseldorf

Honors and Awards (selection)

- 2005-2010, Heisenberg Fellowship of the DFG
- 2001, Bennisgen-Foerder Prize of the State of North Rhine-Westphalia
- 1998-2000, Postdoctoral fellowship from the DFG

Publications

2026-06-10	Transient suppression of the ECM1 gatekeeper is essential for HGF/c-MET-driven liver regeneration
2026-01-01	During the acute phase response, MK2 is differentially and cell type-dependently involved in the control of the acute phase response <i>42. Jahrestagung der Deutschen Arbeitsgemeinschaft zum Studium der Leber</i>
2025-12-01	Immunoglobulin G binding as a quantitative marker of hepatocellular death across acute and chronic liver injury
2025-09-01	From cirrhosis to cancer: α -SMA+ CAF and CD68+ macrophage rewiring in the cirrhosis–HCC transition <i>79. Jahrestagung der DGVS mit Sektion Endoskopie Jahrestagung der Deutschen Gesellschaft für Allgemein- und Viszeralchirurgie mit den Arbeitsgemeinschaften der DGAV und Jahrestagung der CACP</i>
2025-09-01	Expression von Thrombozytenaktivierungsmarkern bei Patienten mit Leberzirrhose vor und nach TIPSS-Anlage <i>79. Jahrestagung der DGVS mit Sektion Endoskopie Jahrestagung der Deutschen Gesellschaft für Allgemein- und Viszeralchirurgie mit den Arbeitsgemeinschaften der DGAV und Jahrestagung der CACP</i>
2025-08-02	The interplay between biomechanics and cell kinetics explains the spatial pattern in liver fibrosis
2025-05-16	The ferroptosis mediator ACSL4 fails to prevent disease progression in mouse models of MASLD <i>Hepatology Communications</i>
2025-03-01	Regulation of KIF23 by miR-107 controls replicative tumor cell fitness in mouse and human hepatocellular carcinoma <i>Journal of Hepatology</i>
2025-01-01	TGF- β critically determines the activation state of both, the macrophage subpopulation that is particularly recruited in the context of MASH progression, as well as of TAMs <i>41. Jahrestagung der Deutschen Arbeitsgemeinschaft zum Studium der Leber</i>
2024-12-16	Interleukin 1 β suppresses bile acid-induced BSEP expression via a CXCR2-dependent feedback mechanism <i>PLOS ONE</i>
2024-08-23	A digital liver twin demonstrating the interplay between biomechanics and cell kinetics can explain fibrotic scar formation
2024-01-01	Progression of MASLD goes along with significant changes of a recruited and TGF β sensitive macrophage population <i>Zeitschrift für Gastroenterologie</i>
2024-01-01	Protease-activated receptor 4: A key player in the progression of metabolic-induced steatohepatitis and tumor development <i>Zeitschrift für Gastroenterologie</i>
2024-01-01	Role of hypersplenism and transjugular intrahepatic portosystemic shunt implantation on cytopenia in decompensated liver cirrhosis <i>Zeitschrift für Gastroenterologie</i>
2023-08-01	GPNMB induces hepatic steatogenesis and modulates liver cancer cells <i>Zeitschrift für Gastroenterologie</i>
2023-08-01	Protease-activated receptor 4 is substantially involved in the progression of MAFLD to steatohepatitis and fibrosis as well as tumor-development <i>Zeitschrift für Gastroenterologie</i>

2023-07-01 **Sublethal necroptosis signaling promotes inflammation and liver cancer**
Immunity

2023-01-01 **Hepatocytes reprogram liver macrophages involving control
of TGF- β activation, influencing liver regeneration and injury**
Hepatology Communications
