

Dr. Georg Damm



Head of Research Group Liver Regeneration – Clinic and Polyclinic for Visceral, Transplantation, Thoracic and Vascular Surgery – University Hospital Leipzig

Role in LiSyM-Cancer

- Co-Project leader in SMART-NAFLD
- Co-Project leader in DEEP-HCC
- Contributes patient cohorts, samples and data, primary human cells

Expertise

- Experienced in isolation of primary human cells and their usage in 2D and 3D human liver models

Publications

2026-03-14	Semi-automated isolation of parenchymal and non-parenchymal liver cells from mice and humans with enhanced stellate cell fraction <i>Cell & Bioscience</i>
2025-12-17	Human assembloids recapitulate periportal liver tissue in vitro <i>Nature</i>
2025-11-12	Human Hepatocytes in Experimental Steatosis: Influence of Donor Sex and Sex Hormones <i>Biomedicines</i>
2025-11-01	Diclofenac and acetaminophen dim the acute-phase response but amplify expression of the iron regulator hepcidin in liver cancer cells <i>Cell Systems</i>
2025-08-01	Investigation and Distinction of Energy Metabolism in Proliferating Hepatocytes and Hepatocellular Carcinoma Cells <i>Cells</i>
2025-03-18	Cell Homeostasis or Cell Death—The Balancing Act Between Autophagy and Apoptosis Caused by Steatosis-Induced Endoplasmic Reticulum (ER) Stress <i>Cells</i>
2024-12-23	Impact of Hedgehog modulators on signaling pathways in primary murine and human hepatocytes in vitro: insights into liver metabolism <i>Archives of Toxicology</i>
2024-01-12	Basal MET phosphorylation is an indicator of hepatocyte dysregulation in liver disease <i>Molecular Systems Biology</i>
2023-01-20	Optimization of extracellular matrix for primary human hepatocyte cultures using mixed collagen-Matrigel matrices. <i>EXCLI J</i>
2022-06-01	Diploid hepatocytes drive physiological liver renewal in adult humans <i>Cell Systems</i>