

Special Issue

Innate Immunity and Genetics of Liver Diseases

Message from the Guest Editor

Research on innate immunity is rapidly evolving and the impact of various immune cells and molecular pathways on the development and progression of chronic liver diseases is currently being investigated. The innate immune system represents the first line of defense against bacterial and viral infections in the liver but also contributes to inflammatory processes. Hepatic inflammation triggers the development of chronic liver diseases and is the main driver of fibrogenesis and hepatocarcinogenesis. Host genetic factors can also affect hepatic signaling components of the innate immune system, leading to an imbalance in immune responses. Gaining a better understanding of the mechanisms by which cellular responses, signaling pathways and genetic variants affect the pathophysiology of liver diseases and cause liver injury is of great importance. Targeting innate immune mechanisms represents a promising tool for the diagnosis of liver diseases and new treatment approaches in personalized medicine.

Guest Editor

Dr. Janett Fischer

Division of Hepatology, Department of Medicine II, Leipzig University Medical Center, Laboratory for Clinical and Experimental Hepatology, Leipzig, Germany

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
diagnostics@mdpi.com

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Department of Clinical Physiology, Nuclear Medicine & PET National
University Hospital, Rigshospitalet, University of Copenhagen,
Blegdamsvej 9, DK-2100 Copenhagen, Denmark

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