

Special Issue

Liver Fibrosis: Molecular Pathogenesis, Diagnosis and Treatment

Message from the Guest Editor

Advanced liver fibrosis and cirrhosis represent a significant global health concern, affecting more than 200 million people and often leading to severe complications such as hepatocellular carcinoma (HCC). Despite its broad impact, treatment options are still limited. Liver fibro-sis results from a variety of etiologies, including chronic viral hepatitis, steatotic liver disease (SLD), and alcoholic liver disease. Collagen deposition, a hallmark of fibrosis, is driven by the activation of hepatic stellate cells (HSCs) and their complex crosstalk with other cell types, such as myofibroblasts, endothelial cells, and immune cells. However, the exact pathological mechanisms are not yet fully understood. This Special Issue aims to shed light on the molecular pathways involved in liver fibrosis, including fibrogenic signaling, extracellular matrix dynamics, and intercellular communication. We invite submissions that explore novel diagnostic and therapeutic strategies that target the molecular mechanism and address the unmet clinical needs for more effective diagnosis and treatment.

Guest Editor

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