

Special Issue

Liver–Gut Axis

Message from the Guest Editor

Gut-derived nutrients and other signals are delivered to the liver via the portal circulation. The liver as the largest immune organ hosts the entire spectrum of immune cell repertoire and has a remarkable capacity to recruit and activate immune cells in response to gut-derived metabolic or pathogen-derived signals. The crosstalk between the gut and liver is increasingly recognized, strengthened by the parallel rise in liver diseases and gastrointestinal and immune disorders. The gut–liver axis is widely implicated in the pathogenesis of liver disease, such as alcoholic liver disease, nonalcoholic fatty liver disease, primary biliary cholangitis, cirrhosis, hepatocellular carcinoma, and acute-on-chronic liver failure. The risk of damage to the liver increases when the intestinal barrier is damaged (“leaky gut”). Intestinal dysbiosis plays an important role in the development of chronic liver disease. This Special Issue will be dedicated to “Liver–Gut Axis”; it welcomes submissions, including original papers and reviews, on these widely discussed topics.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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