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The Gut-Liver Crosstalk in Liver Disease

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Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editor

We are delighted to invite you to contribute to a Special Issue of *Cells*, titled “The Gut–Liver Crosstalk in Liver Disease”.

The liver and the gut are anatomically united by the portal and enterohepatic circulation, and are functionally allied as the gut–liver axis. The gut and its microbiome have an essential task in the metabolization and absorption of nutrients, which are drained towards the liver via the portal circulation. The liver further metabolizes gut-derived products and produces bile acids, essential for lipid metabolism.

In addition to their metabolic interconnection, the gut and the liver are anatomically and functionally organized as barrier tissues. They provide a first and second line of defence against toxins and pathogens, whilst regulating immune tolerance against dietary and microbial antigens in homeostatic conditions.

An understanding of the necessity of the intact gut–liver axis for homeostasis has opened the field of research towards uncovering the mechanisms involved in the maintenance of this gut–liver symbiosis and its disruption during disease.



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Special Issue



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Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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