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Metabolic Programming of Hepatic Organ Function

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Deadline for manuscript submissions:
closed (31 March 2024)

Message from the Guest Editors

This Special Issue aims to feature insights into 'early-life' mechanisms involved in the development of hepatic diseases, since a better understanding of these mechanisms could provide new strategies for effective prevention, diagnostics, and treatment.

The topics that this Special Issue will cover include, among others, metabolic dysfunction-associated fatty liver disease (MAFLD), non-alcoholic fatty liver disease (NAFLD), genetic and epigenetic regulation of liver development, novel diagnostic and prognostic biomarkers, metabolomics, liver crosstalk with other tissues/organs such as adipose tissue or gut, immunometabolism, neuroendocrine mechanisms, hepatocyte-immune cell crosstalk, and developmental programming of glucose and the lipid metabolism.

Studies may use interventions such as dietary approaches or pharmacological treatment and -omics approaches. Both basic and clinical research are welcome.

This Special Issue will publish high-quality original research articles and review articles related to this issue, inspired by, but not limited to the aspects mentioned above.

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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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