Special Issue

Metabolism and Metabolic Programming Associated with Organ Development

Message from the Guest Editor

It has been increasingly recognized that a proper metabolism is necessary for the different tissues' homeostasis, and to induce gene expression and cell signaling during injury/repair. Many studies have shown now that metabolism is closely connected with a lot of other intra- and inter-cellular networks that regulate cellular fate and tissue function. Various problems in organ development involve a pathologically distorted metabolism. Proper organ development requires exquisite metabolic control, and it has been shown that a perturbed metabolism can result in developmental diseases. A number of undetermined processes remain in the understanding of the role of metabolic processes in developing organs and tissues. Given the amount and interconnections of metabolic networks, new systematic studies are needed. Therefore, in this Special Issue, "Metabolism and Metabolic Programming Associated with Organ Development", we would like to bring together scientists exploring how the metabolism can impact developmental processes in a wide range of model systems, and affect intra- and inter-cellular signaling on tissue and organ levels.

Guest Editor

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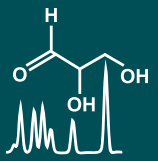

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About the Journal

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.

Editor-in-Chief

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