

Special Issue

Crosstalk between Epigenetic and Metabolic Mechanisms in Chronic Inflammation

Message from the Guest Editor

Dear colleagues,

Chronic inflammation is the cause for most life-threatening diseases that include cancer, diabetes and its vascular complications, and neurodegeneration. Chronic inflammation, both systemic and local, can also result in delay in wound healing and implant failure. Epigenetic and metabolic mechanism are both critical for the detrimental programming of immune cells.

Our issue is dedicated to elucidation of the essential epigenetic and metabolic mechanism that controls inflammatory programming of differed cell types, and to identification of emerging hubs where the epigenetic and metabolic pathways interact with each other. Therefore, we invite submissions that cover interaction between glycolysis, fatty acid oxidation, oxidative protein phosphorylation, amino-acid metabolism, hypoxia and oxidative stress, genomic and mitochondrial DNA methylation, histone code, and miRNA. We aim to identify the promising pathways and critical molecules for therapeutic targeting to revert detrimental inflammatory programs in various cell types and restore homeostatic balance in tissue and organs.

Guest Editor

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closed (30 June 2022)



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