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Relationship between Inflammation and Aryl Hydrocarbon Receptor Pathway

Guest Editor:

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Deadline for manuscript submissions:

closed (15 November 2021)

Message from the Guest Editor

Aryl hydrocarbon Receptor (AhR) has long been known as an endogenous biosensor linking different environmental stresses to cellular homeostatic mechanisms and detoxification processes. Its evolutionary conservation and the gene sets which are responsive to this transcription factor highlight its participation in basic physiological processes as cell growth and differentiation, and in the inflammatory response. In fact, AhR plays a central modulatory role in immune system and is also emerging as a key player in inflammatory processes which are triggered by several physiologic and pathologic settings in different tissues

This call meets the growing need to draw a coherent framework describing the participation of AhR pathway in the management of inflammatory processes in different cell types. We will appreciate papers reporting the contribution of AhR, both in the onset and in the resolution of inflammation in physiological and pathological settings, including the recent SARS-CoV-2-induced inflammation. Evolutionary perspectives about AhR functions are also welcome.



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Special Issue



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