

Special Issue

Relationship between Inflammation and Aryl Hydrocarbon Receptor Pathway

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.

Guest Editor

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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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