



Signaling Networks and Gene Expression in Immune Cells

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Deadline for manuscript
submissions:

30 September 2024

Message from the Guest Editors

Dear Colleagues,

Innate and adaptive immune responses are shaped by intricate signaling networks. During immune cell activation, metabolism becomes highly adaptable to promptly provide necessary materials according to the organism's requirements. Metabolic processes provide nutrients and energy and also contribute to gene expression reprogramming and transcription of multiple signal proteins. The metabolic and transcriptional profiles drive the development of various immune cell subsets. Indeed, metabolic signaling is closely related to epigenetic and, in turn, gene expression changes in both innate and adaptive immune cells.

For our upcoming Special Issue, we invite researchers to contribute their valuable work, whether original research or review articles, on the most recent findings of signaling networks, including immunometabolic pathways and mechanisms of gene expression in immune cells. We further encourage contributions that delve into the regulation, mechanisms, pathways, gene expression reprogramming, cell types, and mediators involved in the interplay between immunity and metabolism, as well as emerging therapies.





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Message from the Editor-in-Chief

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