



The Research of Macrophages in Inflammation

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Message from the Guest Editors

Dear Colleagues,

Macrophages are involved in both innate and adaptive immune responses to regulate both acute and chronic inflammation. Macrophages have been recognized as key regulators in a variety of disease states. They are plastic and respond to their microenvironments with amazing adaptability and function, with constant interplay between phenotypes. Therefore, based on their key roles in regulating inflammation, it is important to bring together the most current information to identify gaps of knowledge that need to be filled in understanding how their many functions are regulated in order to assist and guide future research toward treating human diseases. We propose that this information is central to being able to develop new therapeutic approaches to treat chronic inflammatory diseases. This Special Issue will include studies that describe macrophage responses to endogenous and exogenous triggers, regulation of phenotypes and responses, their relationship to and involvement in trained immunity, key steps in regulating their functions, their roles in acute and chronic inflammation, and therapeutic approaches to regulate their functions.





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Message from the Editor-in-Chief

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