

Special Issue

Role of Dendritic Cells in Inflammation

Message from the Guest Editor

In 1973, a new type of cell was described. These cells, only partially resembling macrophages, were characterized by dendrite-like projections and for this reason they were named dendritic cells (DCs). It is now clear that DCs' biology and response is extremely diverse, as results of the DC subpopulation considered, the tissue analyzed, and even the same subpopulation in the same tissue could act differently in response to environmental factors.

With the present Special Issue, we aim to elucidate DCs' role during inflammation, host defense, inflammatory suppression, and potential contribution to dysregulated immune response leading to chronic inflammatory syndromes. DCs could be biological targets of future precision therapies, but the complex biology of these cells requires detailed knowledge of their biology. This Special Issue will consider reviews and original manuscripts that highlight DCs' response in extreme conditions: chronic inflammation, infection, auto-immune response, and undesired induction of tolerance.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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