

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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