

## Special Issue

# The Role of Dendritic Cell in Cancers and Immune Diseases

### Message from the Guest Editors

Dendritic cells (DCs) are the most efficient antigen-presenting cells, and thus play a central role in immunity. Their main function is to process antigen material and present it on the cell surface to the T cells of the immune system. They act as messengers between the innate and the adaptive immune systems. Their ability to generate specific anti-tumor T cells, able to infiltrate the tumor bed and kill the target cells through cytolytic mechanisms (i.e., perforin and granzyme B), has led to the use of dendritic cells loaded with tumor antigens in several clinical studies. Moreover, the modulation of DCs can lead to defective or dysregulated T-cell-mediated immunity and subsequently decreased resistance to infectious disease, or, conversely, increased incidence of allergies or autoimmune disease. Improved knowledge on the role of the altered distribution and/or incorrect functionality of DCs may lead to an improvement in therapy for these autoimmune diseases. In this Special Issue, we invite contributions in the form of original research articles, reviews, or shorter perspective articles on all aspects related to dendritic cells and the themes above.

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### Guest Editors

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### Deadline for manuscript submissions

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