Special Issue

Innate-Acquired Linkage in Immunotherapy

Message from the Guest Editor

The immune system is categorized into innate and acquired systems, and vertebrates including humans possess a network constituting innate–acquired linkage. T lymphocyte proliferation and activation is rooted in dendritic cell/macrophage signal in the context of innate pattern sensing. Antigen-presenting dendritic cells consist of unique subsets and enhance T cell proliferation and antibody production by B cells. Pattern-sensing renders inflammatory profiles multifarious in a cell type-specific manner, in some cases reaching prolonged inflammation, resulting in chronic diseases. Thus, the regulation of excess inflammatory response is indispensable for life health. Many cell types have their own unique innate/acquired response depending on environmental factors. However, the mechanisms whereby the immune system makes homeostasis in disease states remain largely to be elucidated. Immune-enhancers called adjuvant, blockades of checkpoint inhibitors, dying cells, and damage-associated molecular patterns (DAMP) all accelerate inflammatory status in their environmental context.

Guest Editor

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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