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Emerging Mechanisms in B Cell Activation

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submissions:

closed (31 August 2023)

Message from the Guest Editors

Dear Colleagues,

B cells form a pivotal branch of adaptive immune system. Activation of B cells by specific antigens triggers a cell activation and differentiation cascade to mount high-affinity antibody responses. B cells can be activated by various forms of antigens as well as a cocktail of innate-type of signals but the molecular mechanisms of these processes still remain poorly understood. The technological advances in fields, such as microscopy, mechanobiology, molecular sensors, and proteomics, have recently opened new avenues in studying the cell biological events of B cell activation.

This Special Issue will focus on different aspects of B cell activation and its regulation, from the cell surface receptors to the various cell biological events and ultimately to the changes in the transcriptional profiling and cell fate. We welcome original manuscripts, reports on new technologies or methodologies used to study B cell activation, as well as reviews on this topic.

Dr. Pieta Mattila

Dr. Maria-Isabel Yuseff

Guest Editors



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Special Issue



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Message from the Editorial Board

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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