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The Impact of Immune Activation on Hematopoiesis

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submissions:

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Message from the Guest Editors

Dear Colleagues,

Hematopoiesis is the dynamic and adaptable process of blood cell generation in the bone marrow, which can be modulated by a variety of conditions. Immune cells generated by hematopoiesis can impact blood cell generation through a variety of effector mechanisms. How immune activation impacts hematopoiesis is a topic of increasing interest. Immune activating conditions can induce the generation of blood cells that differ in quantity and quality. The aim of this special issue is to provide a combination of reviews and research papers, in which the impact of distinct types of immune activation on the hematopoietic process is addressed. The following is a non-exhaustive list of conditions that would fit this topic: Infection (viral, bacterial, fungal); Sterile inflammation; Autoimmune diseases; Autoinflammatory diseases; Graft vs host disease; Anti-tumor responses; TIL & CAR therapy; Microbial dysbiosis; Ageing; Vaccination. We hope that the topics presented will improve our understanding on how bone marrow output can be affected, and lead to novel treatment for anemia or bone marrow diseases.

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Guest Editors



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Special Issue



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