



Hematopoietic Stem Cell Transplantation in the Personalized Medicine Era

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Message from the Guest Editors

Allogeneic hematopoietic stem cell transplantation (HSCT) can be curative for patients with severe hematological malignancies. Though the treatment modality has improved drastically over the last decade, e.g. tumor resistance, relapse, infections and Graft-versus-host-disease (GVHD) are still common challenges for these patients. The era of personalized medicine has dramatically changed the game plan for several diseases in the last decade including patients that undergo HSCT. Current advances in technology have provided scientists and physicians with a huge toolbox with possible instruments in order to improve the clinical outcome of these patients. This Special Issue of the *Journal of Personalized Medicine* aims to highlight the knowledge and illustrate some of the findings in HSCT. It will among other things include studies on the impact of donor characteristics and how pre-transplantation factors impact clinical outcome. It will also give examples of studies on the use of biomarkers to predict and govern clinical practise. Some examples will also illustrate how the use of tailor-made chemotherapy can be beneficial in patient care in a personalized setting.





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Message from the Editor-in-Chief

Journal of Personalized Medicine is one of the few journals that covers the diverse areas involved in the field, including research at basic, translational, and clinical levels. It focuses on “omics”-level studies that seek to define the basis of interindividual variation in susceptibility for a disease, its prognosis or definition of clinical subsets, and response to therapy (pharmacogenomics). We are also interested in systems biology as it relates to interindividual variation, and research on new methodologies, informatics, and biostatistics, in the aforementioned areas.

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