

Special Issue

Cardiotoxicity of Anticancer Treatments

Message from the Guest Editors

The development of new drugs and innovative therapeutic strategies during the last decade has allowed patients to survive for longer following diagnosis of cancer than in the past. However, some anticancer drugs have cardiotoxic effects and can lead to the death of patients independently from the outcomes of oncologic therapy. The discovery of the molecular mechanisms involved in cardiac responses to cardiotoxic drugs, which are still poorly known, represents the current goal of the cardio-oncology research aimed at preventing or treating cardiotoxicity. Several targets involved in both the development of cardiovascular disease and cancer have been identified, including but not limited to GRKs, TLR, NF- κ B, and GPCR. Cardiomyocytes are generally the research target in these studies, but the functional contribution of non-myocyte cardiac cells is also receiving growing interest considering the functional crosstalk between the different types of cardiac cells. We welcome contributions that could increase the knowledge in the field and lead to ideas for the development of novel diagnostic and therapeutic strategies.

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