

Topical Collection

Stemness and Drug-Persistence in Cancer

Message from the Collection Editors

Adult stem cells are fundamental for tissue homeostasis and repair in the adult organism. They are influenced by different pathways to maintain self-renewal and multipotency potential. In cancer, the constitutive activation of these pathways implicates the modulation of these stem cells and can sustain the long-term clonal maintenance of the neoplasm. Novel insights into the discovery of stem cell function in cancer hold promising directions for future cancer therapeutic applications. The purpose of this collection is to contribute to define stemness properties in tumoral cells. Furthermore, by disentangling heterogeneity within the tumor, we aim, for example, to identify the key players and properties that enable stem cells to cause cancer growth and spread and to describe the mechanisms involved in cell plasticity. The collection will include molecular stem cell signatures, drug-resistance mechanisms, novel in vitro and in vivo models for studying stemness, and studies describing potential applications of stem cells to cancer therapy. This Special Issue welcomes both reviews, as well as original research articles.

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About the Journal

Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

Editor-in-Chief

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