

Special Issue

Tumor Models and Drug Targeting In Vitro

Message from the Guest Editors

Meaningful preclinical models are of extremely great importance for new therapeutic approaches against cancers. Far too often, promising substances fail in later clinical trials. Therefore, it is appropriate to use the advantages of advanced in vitro models to enhance the clinical success of drugs identified in basic research by better predicting their responses in patients. Today, technological and scientific developments allow researchers to better understand the complex biology of cancer and the molecular relationships in tumors and during metastasis. Particularly, three-dimensional tumor and metastatic models, closely mimicking the in vivo tumor tissue, have become an indispensable platform for investigating the tumor microenvironment, mechanical properties, biochemical factors, as well as dynamic cell–cell and cell–ECM interactions. These offer unique advantages in fundamental and clinical biomedical studies as well as in drug development. This Special Issue aims to highlight recent advances in the development and applications of in vitro tumor models. We welcome the submission of original research and review manuscripts.

Guest Editors

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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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