Special Issue

3D Cell Culture Cancer Models: Development and Applications 2.0

Message from the Guest Editors

This Special Issue is the second edition of the previous one, "3D Cell Culture Cancer Models: Development and Applications" (https://www.mdpi.com/journal/cancers/special_issues/3D_Cell_Culture_Cancer_Models). The need for new patient-derived cancer models to improve personalized therapy is critical at present. Due to their ability to recapitulate the structural and functional aspects of their matched organs, 3D cell culture cancer models have received huge attention from a variety of specialized fields, including cell biology, molecular biology, chemistry, physics, engineering and nanotechnology This Special Issue aims to bring together scientists and physicians to discuss the state-of-the-art in in vitro cancer modeling. The goal is to highlight those approaches that will drive future research in the study of 3D cell culture cancer models for personalized drug sensitivity testing or to study tumor cell physiology. Reviews, articles and protocols that explore advanced materials and methods to generate 3D in vitro tumor models that mimic the native heterogeneity and the three-dimensionality of their in vivo counterparts are welcome.

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Deadline for manuscript submissions

closed (20 June 2023)

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.

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