

Special Issue

The Regulators of Metastasis related Signalling Targets in Cancer Cells

Message from the Guest Editors

Cell signalling pathways, which regulate cell growth, proliferation and survival mechanisms in cancer cells, are also crucial for the poor progression of disease. Abnormal activation of these targets drives tumorigenesis with unlimited alterations in the tumour microenvironment and leads to metastasis through changing fundamental characteristics of cancer cells. A number of critical players have been identified, with their multiple roles in cell survival and metastasis-related cancer progression. Thus, the clarification of the responsible pathways and related biomarkers is currently under way using specific inhibitors and/or receptor blockers and promises to help identify potential therapeutic targets to develop successful cancer treatments. These research efforts are crucial to achieve new targeted therapy options with less adverse effects, which increase the life quality of patients. The aim of this Special Issue is to evaluate the current therapeutic targets as well as to identify new key regulators of cell signalling pathways that are involved in cell survival and metastatic cascades.

Guest Editors

Dr. Pinar Uysal-Onganer

Cancer Research Group, School of Life Sciences, College of Liberal Arts & Sciences, University of Westminster, London, UK

Dr. Elif Damla Arisan

Institute of Biotechnology, Gebze Technical University, Gebze 41400, Turkey

Dr. Alwyn Dart

St George's, University of London, London, UK

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biology@mdpi.com

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Prof. Dr. Jukka Finne

Research Programme in Molecular and Integrative Biosciences, Faculty of Biological and Environmental Sciences, University of Helsinki, P.O. Box 56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology Institute, University of Valencia and CSIC, 46980 Valencia, Spain

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