

Special Issue

Protein Synthesis in Cancer Initiation, Progression, Metastasis, and Dormancy

Message from the Guest Editor

Cancer is one of the most prevalent diseases worldwide. Despite the advances in the understanding of the molecular processes driving the onset and progression of this disease, cancer still remains a significant cause of morbidity and mortality, particular in low-income countries. Indeed, various translation factors include oncogenes, while others are overexpressed in tumors, and some components of the translational machinery are mutated across different types of neoplastic phenotypes. Moreover, malfunctioning of the signal transduction cascades controlling translation are also involved in the onset and progression of cancer. Thus, the targeting of translation initiation is investigated as part of the global applications in some emerging therapies used to treat carcinogenesis.

We dedicate this Special Issue to discuss the state of the art of key aspects of protein synthesis in cancer initiation, progression, metastasis, and dormancy. This includes the misexpression of translation factors, dysregulation of the major signaling cascades regulating translation, and therapeutic strategies based on pharmacological compounds targeting translation.

Guest Editor

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

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