

Special Issue

Protein Regulatory Mechanisms in Tumorigenesis

Message from the Guest Editors

Post-translational modifications play an indispensable role in proper protein quality and functional control. Thus, understanding post-translational protein modifications in normal physiology and pathological conditions not only expands our knowledge on the diversity of the proteome, but also sheds new light on potential therapeutic opportunities. Most protein post-translational modifications are reversible and dynamically occur in a timely and spatially dependent manner. Abnormal post-translational protein modification events result in deregulated cell signaling, genome instability, and other aberrant biological processes, contributing to the development of human diseases, including cancers. Prior efforts in developing small-molecule inhibitors targeting aberrantly activated enzymes such as kinases show promise for cancer treatment. We hope this collection advances our understanding of the post-translational protein modification events driving disease and their regulatory mechanisms, in order to facilitate the identification of novel drug targets with potential for the development of novel therapies.

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Message from the Editor-in-Chief

Cancers (ISSN 2072-6694) is an international, online journal addressing both clinical and basic science issues related to cancer research. The journal will continue its 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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