

Special Issue

Advances and Challenges in RAS-Directed Cancer Therapy

Message from the Guest Editors

Oncogenic RAS mutations, such as G12C, G12D, G13D, and Q61H, are some of the most frequently mutated genes causing cancer. Multiple strategies have been developed to directly target the aberrant activation of RAS signaling to treat cancer, including prenylation inhibitors, PDE α inhibitors, and SHP2 inhibitors, but none have advanced to use in the clinic. Recently approved KRAS G12C inhibitors justified KRAS as a target and, significantly, demonstrated that specific RAS mutant can be selectively targeted. However, KRAS G12C is the only RAS mutant that has been successfully targeted so far in human cancer patients, which limits its application for targeting other oncogenic RAS mutant-driven cancers. This Special Issue will cover subjects related to recent progress in RAS-directed therapeutic approaches in cancer therapy and the underlying mechanisms for acquired drug resistance. The hope is that it will increase our understanding of the clinical efficacy and challenges of RAS targeting therapy in different cancers.

Guest Editors

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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.

Editor-in-Chief

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