

Special Issue

Molecular Insights in Kidney Cancer

Message from the Guest Editors

Kidney cancer (renal cell carcinoma, RCC) encompasses multiples subtypes with disparate pathological and molecular characteristics and clinical outcomes. Several genetic lesions are known to be pathogenic for subtypes of RCC. For instance, the inactivation or dysfunction of VHL (von Hippel Landau) tumor suppressor gene is oncogenic for clear cell RCC (ccRCC), while the dysfunction of fumarate hydratase (FH) is associated with hereditary leiomyomatosis and renal cell cancer (HLRCC). Importantly, the interplay between genetic and metabolic alterations in tumor cells, and their influences on immune cells and microenvironmental components clearly modulate cancer progression and therapeutic response. A greater understanding of the molecular communication super highway in the tumor microenvironment of RCC will be instrumental to devise more effective targeted therapies in order to improve the outcome of this cancer. This Special Issue will focus on these molecular translational researches in RCC.

Guest Editors

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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