Special Issue

Recent Advances in the Field of Metastatic Renal Cell Carcinoma Research—from Biology to Predictive Biomarkers towards Personalised Medicine

Message from the Guest Editors

Renal cell carcinoma (RCC) is a malignancy with an increasing incidence in developed countries. The management of metastatic RCC (mRCC) has been markedly changing in recent years, and significant progress has been made in the systemic treatment of metastatic RCC (mRCC), leading to improvements in the survival and quality of life of patients. Tyrosine kinase inhibitors (TKIs) blocking angiogenesis and immunotherapy in the form of immune checkpoint inhibitors (ICIs) represent the most commonly used agents, as well as various combination regimens in the form of ICI+ICI or ICI+TKI, which have become a standard of care in the first-line treatment of mRCC. Although these novel regimens achieve excellent treatment responses, this treatment entails a wide range of side effects and there is no doubt that a signle therapy cannot suit every patient with mRCC. In mRCC, relevant predictive biomarkers at the molecular level are still not available; only prognostic models are used (MSKCC, IMDC), but their value is limited from a predictive point of view.

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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