

Special Issue on
Novel Biomarkers and Therapeutic Targets of Renal Cell Carcinoma

CALL FOR PAPERS

Renal cell carcinoma (RCC) accounts for 3% of adult malignancies, making it the most lethal urological malignancy. Despite earlier identification of RCC in localized stages by advanced imaging techniques, simple, inexpensive, and noninvasive biomarkers for diagnosing RCC are not yet routinely available. Advancements in understanding the von Hippel Lindau (VHL) gene pathway have resulted in novel targeted therapeutic agents that have improved clinical outcomes for patients with metastatic RCC in the past 10 years. However, eventually the vast majority of treated patients acquire resistance. Biomarkers are urgently needed to predict drug response and monitor therapeutic response. So far, metastatic RCC treatment remains to be a big challenge. Emerging therapies may be the future direction in the treatment of metastatic RCC, including the new tyrosine kinase inhibitors axitinib and tivozanib, as well as novel immune-based therapies such as dendritic cell-based vaccines and antibodies.

In this special issue, we invite investigators to submit original research and review articles that focus on new diagnostic, prognostic, and predictive biomarkers and treatment strategies for RCC.

Potential topics include but are not limited to the following:

- ▶ Imaging biomarkers for RCC
- ▶ Circulating, tissue, and urine molecular biomarkers for RCC
- ▶ The roles of exosomes in RCC
- ▶ Emerging therapies based on molecular targets for RCC
- ▶ Biomarkers in renal cancer stem cells and cancer stem-like cells
- ▶ Immunotherapy in advanced or metastatic RCC
- ▶ Personalized treatment regimens for RCC

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/au/nbt/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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