



Renal Cell Carcinoma: From Diagnosis to Identification of Novel Therapeutic Targets and Minimally Invasive Treatments

Guest Editors:

Dr. Matteo Ferro
Prof. Dr. Andrea Minervini
Prof. Dr. Alessandro Antonelli
Dr. Angelo Porreca
Prof. Dr. Giuseppe Lucarelli
Prof. Dr. Michele Battaglia
Prof. Dr. Ditonno Pasquale
Prof. Dr. Riccardo Schiavina
Prof. Dr. Ottavio De Cobelli
Prof. Dr. Gennaro Musi

Deadline for manuscript
submissions:
closed (31 August 2022)

Message from the Guest Editors

Renal cell carcinoma (RCC) is the most frequent malignancy affecting the adult kidney and the twelfth most common cancer. The pathophysiology of RCC is complex and arises from a combination of gene mutations (i.e., VHL, PBM1, SETD2, BAP1, etc.) in addition to other factors such as diabetes, obesity, smoking, and hypertension. In the early stages, the disease is frequently asymptomatic and incidentally diagnosed by imaging, having a good prognosis; conversely, RCC has a high mortality rate in advanced phases, due to poor responses to radiotherapy and chemotherapy. The progressive introduction of high-throughput technologies and recent studies of molecular and genomic profiling have shed new light on the pathophysiology of RCC. Moreover, in recent years, there has been a growing interest in identifying tumor markers not only for diagnostic purposes but also to improve the predictive power of clinical and pathological parameters. This Special Issue of *Diagnostics* aims to collect studies on minimally invasive treatment and translational research for the management and diagnosis of renal cell carcinoma (RCC).

This is the joint Special Issue both in *Biomedicines* and *Diagnostics*.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and
Center for Clinical Research
Learning, Spaulding
Rehabilitation Hospital and
Massachusetts General Hospital,
Harvard Medical School, Boston,
MA 02114, USA
2. Department of Epidemiology,
Harvard T.H. Chan School of
Public Health, Boston, MA 02115,
USA

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q2 (*Medicine (miscellaneous)*)

Contact Us

Biomedicines Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biomedicines
biomedicines@mdpi.com
[X@Biomed_MDPI](https://twitter.com/Biomed_MDPI)