



an Open Access Journal by MDPI

## Molecular Insights in Kidney Cancer

Guest Editors:

**Dr. Lily Wu**

Department of Molecular and  
Medical Pharmacology, David  
Geffen School of Medicine,  
University of California at Los  
Angeles, Los Angeles, CA 90095,  
USA

**Prof. Dr. Brian Shuch**

Department of Urology, David  
Geffen School of Medicine,  
University of California at Los  
Angeles, Los Angeles, CA 90095,  
USA

**Dr. Huihui Ye**

Department of Pathology, David  
Geffen School of Medicine,  
University of California at Los  
Angeles, Los Angeles, CA 90095,  
USA

### 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.

Deadline for manuscript  
submissions:

**closed (30 July 2023)**



[mdpi.com/si/118157](https://mdpi.com/si/118157)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maurizio Battino

Department of  
Odontostomatologic and  
Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of  
Medicine, Università Politecnica  
delle Marche, Via Ranieri 65,  
60100 Ancona, Italy

## Message from the Editor-in-Chief

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.

## 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, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI