



Lung Cancer: From Molecular Basis to Genome-Guided Therapy and Immunotherapy

Guest Editors:

Dr. Fabian Dominik Mairinger

Institute of Pathology, University
Hospital Essen, University of
Duisburg-Essen, 45147 Essen,
Germany

Prof. Dr. Thomas Mairinger

Department of Tissue
Diagnostics, Helios Klinikum Emil
von Behring, 14165 Berlin,
Germany

Deadline for manuscript
submissions:

closed (15 May 2023)

Message from the Guest Editors

In the last 15 years, lung cancer diagnosis and therapy underwent two game-changing revolutions. We witnessed the introduction of so-called “individualized” therapy driven by, in addition to more conventional tumor characteristics, a well-defined molecular phenotype from each tumor that serves as prognostic and much more predictive factors for the therapeutic faith of patients.

In only a short time, the therapeutic use of immune checkpoint inhibitors followed tailored therapeutic approaches, opening a new field of effective treatment for a remarkable proportion of lung cancer patients. However, are not that well-defined and based on semiquantitative (merely classical) immunohistochemistry scoring.

Paying tribute to these 15 years of development, this Special Issue targets aims to share the state-of-the-art advances in biomarker-based lung cancer diagnosis and therapy, and its promising concepts for future developments. This clear focus is on the interface between molecular diagnosis and lung cancer therapy, thus all types of papers with a clear focus on the molecular alterations that influence the pathology aspects of lung cancer patients are welcomed.





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