



Drug Resistance in Targeted Cancer Therapy

Guest Editors:

Prof. Dr. Elisa Giovannetti

Department of Medical Oncology,
Cancer Center Amsterdam, VU
University medical center,
Amsterdam, The Netherlands

Prof. Dr. Patrizia Diana

Department of Biological
Chemical and Pharmaceutical
Sciences and Technologies
(STEBICEF), University of
Palermo, Via Archirafi, 32-90123
Palermo, Italy

Deadline for manuscript
submissions:

closed (15 November 2019)

Message from the Guest Editors

Dear Colleagues,

The present issue deals with the pharmacology of the most promising compounds targeting the key oncogenic pathways implicated in the development and progression of many tumor types through multiple effects on cell cycle progression, apoptosis, and invasion. Remarkably, they use a highly overlapping repertoire of signalling adaptors and downstream pathways, and are potential targets for different drugs.

Therefore, this Special Issue will provide readers working in the basic biomedical sciences as well as clinicians a comprehensive overview of novel effective anticancer compounds, with the aim of clarifying their development, pharmacology, resistance factors, and new strategies and applications, against major tumors.

Prof. Dr. Elisa Giovannetti
Prof. Dr. Patricia Diana
Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (*Chemistry (miscellaneous)*)

Contact Us

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

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

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](https://twitter.com/X@Molecules_MDPI)