

## Special Issue

# Advances in Melanoma Immunotherapy and Molecular Mechanisms of Drug Resistance

### Message from the Guest Editors

Melanoma is one of the most aggressive human tumors and its incidence has rapidly increased in recent years. Malignant melanoma is highly heterogeneous and substantially resistant to unselective treatments, such as chemotherapy. Targeted therapy and immunotherapy have improved the life expectancy of melanoma patients. Although these novel therapeutic approaches have demonstrated clinical efficacy and rapid responses, drug resistance represents a significant challenge and has yet to be overcome.

This Special Issue of IJMS aims to describe the most recent evidence on targeted therapy and immunotherapy in melanoma and aims to analyze the possible molecular mechanisms underlying drug resistance. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

New biomarkers for melanoma treatments;  
Molecular and genetic modifications associated with drug-resistance in melanoma;  
Melanoma tumor microenvironment;  
Novel therapeutic approaches in melanoma treatments;  
Omics technologies applied to melanoma (radiomic and genomic approaches).

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### Guest Editors

Dr. Antonino Guerrisi

Dr. Guendalina Lucarini

Dr. Italia Falcone

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### Deadline for manuscript submissions

closed (31 January 2023)



## International Journal of Molecular Sciences

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### 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.

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### Editor-in-Chief

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