



an Open Access Journal by MDPI

# **Unravel Metabolism and Resistance Mechanisms in Glioblastoma**

Guest Editors:

#### Dr. Ana Luísa De Sousa-Coelho

 Algarve Biomedical Center Research Institute, ABC-RI, 8005-139 Faro, Portugal
Escola Superior de Saúde (ESSUAlg), Campus de Gambelas, Universidade do Algarve, 8005-139 Faro, Portugal

#### Dr. Bibiana I. Ferreira

 Faculdade de Medicina e Ciências Biomédicas (FMCB), Campus de Gambelas, Universidade do Algarve, 8005-139 Faro, Portugal
Algarve Biomedical Center Research Institute, ABC-RI, 8005-139 Faro, Portugal

Deadline for manuscript submissions: closed (30 June 2023)

### Message from the Guest Editors

Glioblastomas are highly aggressive brain tumors, among the most deadly and incurable types of human cancer, which are greatly resistant to the standard treatments that are currently available. Cancer cells can metabolically adapt to changes in oxygen or nutrients in the microenvironment, making the dysregulation of cellular metabolism a hallmark of cancer, and a critical event in therapy resistance. Once identified, cellular metabolic susceptibilities could be exploited as novel therapeutic strategies.

In this Special Issue of *Metabolites*, we invite authors to submit contributions that provide novel findings in the field of glioblastoma. We plan to cover the latest advances in research on the basic mechanisms by which cellular metabolic reprogramming modulates cancer development and its role in the mechanisms of drug resistance, as well as the potential of repurposing drugs for glioblastomacombined therapies. We welcome findings from basic research in both preclinical or clinical fields. Reviews that comprehensively highlight new findings in these field are also welcome.



mdpi.com/si/122092







an Open Access Journal by MDPI

# **Editor-in-Chief**

#### Dr. Amedeo Lonardo

 Formerly Director of the Simple Operating Unit "Metabolic Syndrome", Azienda
Ospedaliero-Universitaria, 41126 Modena, Italy
Formerly Professor of Internal Medicine, School of
Specialization of Allergology and Clinical Immunology, University of Modena and Reggio Emilia, 41121 Modena, Italy

### Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies shown utility for elucidating have mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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

**Journal Rank:** JCR - Q2 (*Biochemistry & Molecular Biology*) / CiteScore - Q2 (*Endocrinology, Diabetes and Metabolism*)

## **Contact Us**

*Metabolites* Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/metabolites metabolites@mdpi.com X@MetabolitesMDPI