

## Special Issue

# Immuno-Metabolism: Resisting Resistance to Immuno-Checkpoint Therapy

### Message from the Guest Editor

Inhibitory immune checkpoints such as PD-1/PD-L1 normally maintain peripheral tolerance by disabling the activation and effector functions of autoreactive T cells and avoiding uncontrolled myeloid cell activation, have been found to be co-opted in cancer. Metabolic reprogramming of T and myeloid cells in patients with cancer and autoimmune diseases has been increasingly investigated. Of interest are the functional activities through which myeloid cells instruct T cells. Monocytes and macrophages serve as antigen-presenting cells and fine tune T cell responses. By expressing PD-1/PD-L1, they can also suppress T cell immunity, a functional aspect of importance in tumors with PD-1 or PD-L1hi tumor-associated monocytes and macrophages. In this Special Issue, dedicated to Immuno-metabolism, we present a collection of works that provide insight into this diverse spectrum of metabolic reprogramming of myeloid and T cell activities within the host immune and tissue repair responses, and the contribution of chronic inflammation and metabolic syndrome to resistance and toxicity pathways to immuno-checkpoint therapy.

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### Guest Editor

Dr. Laura Strauss

GenVivo, 475 Huntington Dr, San Marino, CA 91108, USA

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### Deadline for manuscript submissions

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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

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

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