

Special Issue

Prostate Cancer: From Molecular Imaging to Immunological and Target Therapies

Message from the Guest Editors

For many years, chemotherapy with taxanes has represented the only option for PC progressing in spite of castrate levels of testosterone, a severe clinical condition termed as metastatic castration-resistant prostate cancer (mCRPC). The management of mCRPC has been deeply modified by the introduction of several novel treatments, such as second-generation antiandrogens, PARP (poly(ADP)-ribose polymerase) inhibitors and cellular immunotherapy. Furthermore, targeted radionuclide therapy with the bone-seeking agent radium-223 dichloride (Xofigo) proved useful for improving survival in mCRPC with bone metastases. More recently, prostate specific membrane antigen (PSMA) has emerged as an attractive biomarker both for positron emission tomography (PET) imaging and targeted radionuclide therapy, in the perspective of combining diagnosis and treatment in a unique approach (i.e. “theranostics”).

The aim of this Special Issue is to solicit original researches or review articles highlighting the potential usefulness of different molecular probes, in order to define customized therapeutic pathways in patients affected by PC.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2021)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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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.

Editor-in-Chief

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