

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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