

## Special Issue

# Genetic and Molecular Markers in Prostate Cancer

### Message from the Guest Editor

Prostate cancer (PCa) is the second most common malignancy in men and affects one in nine in the United States. While localized PCa is often treated successfully, metastatic disease remains lethal, with a five-year survival of ~31%. Androgen deprivation therapy (ADT) is standard for advanced disease, but many tumors progress to metastatic castration-resistant prostate cancer (mCRPC). Although androgen receptor pathway inhibitors (ARPIs) are used, resistance typically develops within a year, highlighting the need for new strategies. Recent advances—next-generation AR inhibitors, PARP inhibitors, radiopharmaceuticals, and immunotherapies—show promise, but resistance, lack of biomarkers, and uncertainty in treatment sequencing remain challenges. This Special Issue will focus on genetic and molecular markers driving PCa development, progression, and therapy response. We welcome studies that: identify biomarkers; investigate ADT/ARPI resistance; explore novel targets; and advance precision oncology. Our goal is to foster insights that improve clinical outcomes in prostate cancer.

### Guest Editor

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

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