

## Special Issue

# Molecular Determinants of Prostate Cancer Metastasis

### Message from the Guest Editor

The metastatic process in prostate cancer (PCa), just like in other malignancies, is indeed complex, involving numerous signaling molecules. To complicate matters, stromal cells in the tumor microenvironment also participate actively in the process. For the last 30 years or more, key proteins that were thought to be part of a unifying theme in the process such as matrix metalloproteinase have been defined. However, despite the intense global efforts to design effective inhibitors for these enzymes to combat metastasis, little was accomplished. Prostate cancer, however, unlike other tumors such as pancreatic cancer, grows more slowly and can be divided into indolent and aggressive subtypes. The aggressive subtypes arising from prostate cancer stem cells are normally unresponsive to hormonal therapy. These have the propensity to grow rapidly and metastasize. Therefore, there is an urgent need to uncover the unifying process or processes that provide metastatic advantage to the aggressive subtypes of PCa.

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