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Collana	Methods in Molecular Biology, , 1940-6029 ; ; 1786
Disciplina	614.5999
Soggetti	Cancer Cancer Biology
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Livello bibliografico	Monografia
Nota di contenuto	Generation of Prostate Cancer Patient-derived Xenografts to Investigate Mechanisms of Novel Treatments and Treatment Resistance -- Methods to Study Angiogenesis in a Mouse Model of Prostate Cancer -- Methodologies Applied to Establish Cell Cultures in Prostate Cancer -- Protocols for Migration and Invasion Studies in Prostate Cancer -- Transplantable Animal Studies and Whole-body Optical Imaging in Prostate Carcinoma -- Protocols for Tissue Microarrays in Prostate Cancer Studies -- Functional Studies on Steroid Receptors -- Protocols for Studies on TMPRSS/ERG in Prostate Cancer -- Protocols for the Study of Taxanes Chemosensitivity in Prostate Cancer -- A Method for Prostate and Breast Cancer Cell Spheroid Cultures using Gelatin Methacryloyl-based Hydrogels -- Protocols for Studies on Genetically Engineered Mouse Models in Prostate Cancer -- Protocols for Studies on Stromal Cells in Prostate Cancer -- Techniques for Evaluation of AR Transcriptional Output and Recruitment to DNA -- NMR-based Prostate Cancer Metabolomics -- Studies on Steroid Receptor Coactivators in Prostate Cancer.
Sommario/riassunto	This volume presents methods and protocols on modern analysis of steroid receptor and prostate cancer function. Chapters detail androgen, androgen receptor action, anti-androgen enzalutamide, in vitro and in vivo models, imaging, gene fusions, and help facilitate studies with novel drugs including anti-androgens and

chemotherapeutics. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and cutting-edge, Prostate Cancer: Methods and Protocols aims to provide easily reproducible techniques.
