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Nota di contenuto	Diet and Lifestyle in Prostate Cancer -- Dietary Carcinogens and DNA Adducts in Prostate Cancer.-Genetic, Environmental, and Nuclear Factors Governing Genomic -- Cells of Origin for Prostate Cancer -- Prostate Cancer Genomic Subtypes -- Prostate Cancer Transcriptomic Subtypes -- Immunological complexity of the prostate cancer microenvironment influences the response to immunotherapy -- The

Tumor Microenvironments of Lethal Prostate Cancer -- The Bone Microenvironment in Prostate Cancer Metastasis -- Prostate Cancer Energetics and Biosynthesis -- Canonical and Noncanonical Androgen Metabolism and Activity -- Germline and Somatic Defects in DNA Repair Pathways in Prostate Cancer -- The Role of RB in Prostate Cancer Progression -- Interplay among PI3K/AKT, PTEN/FOXO and AR signaling in prostate cancer -- Androgen Receptor Dependence -- WNT/BETA-CATENIN SIGNALING AND PROSTATE CANCER THERAPY RESISTANCE -- Epigenetic Regulation of Chromatin in Prostate Cancer -- Oncogenic ETS factors in prostate cancer -- Neural Transcription Factors in Disease Progression -- Index.

Sommario/riassunto

The purpose of this book is to provide a contemporary overview of the causes and consequences of prostate cancer from a cellular and genetic perspective. Written by experts in the fields of epidemiology, toxicology, cell biology, genetics, genomics, cell-cell interactions, cell signaling, hormone signaling, and transcriptional regulation, the text covers aspects of prostate cancer from disease initiation to metastasis. Chapters explore in depth the cells of origin for prostate cancer, its genomic subtypes, neural transcription factors in disease progression, epigenetic regulation of chromatin, and many other topics. This book distinguishes itself from other texts on prostate cancer by its focus on cellular and genetic mechanisms, as opposed to clinical diagnosis and management. As a result, this book will be of broad interest to basic and translational scientists with familiarity of these topics, as well as to trainees at earlier stages of their research careers.
