Record Nr. UNINA9910298273203321 Multi-Targeted Approach to Treatment of Cancer [[electronic resource] **Titolo** /] / edited by Varsha Gandhi, Kapil Mehta, Rajesh Grover, Sen Pathak, Bharat B. Aggarwal Cham:,: Springer International Publishing:,: Imprint: Adis,, 2015 Pubbl/distr/stampa **ISBN** 3-319-12253-3 Edizione [1st ed. 2015.] Descrizione fisica 1 online resource (407 p.) Disciplina 610 614.5999 615.19 616994 Soggetti Cancer research Pharmaceutical technology Oncology Cancer Research Pharmaceutical Sciences/Technology Oncology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references. Contents; Contributors; Part I: Genetics/Genome/Microenvironment; Nota di contenuto Chapter 1: Diversity of Chromosomal Characteristics Among Mammals: With Special Reference to Laboratory Mouse in Cancer Resear ...; 1.1 Introduction; 1.2 Do Large Size Mammals Have Longer and High Number of Chromosomes?; 1.3 Do X and Y Chromosomes Exist Intact in All Mammals?: 1.4 Distribution of Constitutive Heterochromatin in Mammalian Species; 1.5 Locations of Ribosomal Cistrons in Mammalian Chromosomes: 1.6 Distribution of Telomeric DNA in Mammalian **Species** 1.7 Laboratory Mouse: Is the Animal Model or Muddle in Cancer Research 1.8 Human Cloning and Producing Mini-Organs in Culture: References; Chapter 2: Genome-Based Multi-targeting of Cancer: Hype or Hope?; 2.1 Introduction; 2.2 Cancer Is an Age-Old Disease; 2.3

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Sommario/riassunto

In this book, clinicians and basic scientists from USA, India, and other countries discuss the rationales and clinical experiences with targeted approaches to treat, prevent, or manage cancer. Cancer is a hyperproliferative disorder that is regulated by multiple genes and multiple cell signaling pathways. Genomics, proteomics, and metabolomics have revealed that dysregulation of dozens of genes and their products occur in any given cell type that ultimately leads to cancer. These discoveries are providing unprecedented opportunities to tackle cancer by multi-faceted approaches that target these underpinnings. This book emphasizes a multi-targeted approach to treating cancer, the focus of the 5th International Conference on Translational Cancer Research that was held in Vigyan Bhawan, Delhi (India) from Feb 6-9, 2014.