Record Nr. UNINA9910810271403321 Autore **Knowles Margaret A** Titolo Introduction to the cellular and molecular biology of cancer / / Margaret A. Knowles, Peter J. Selby New York, : Oxford University Press, 2005 Pubbl/distr/stampa **ISBN** 1-383-02984-9 1-280-75813-9 0-19-151381-4 1-4294-2155-X Edizione [4th ed.] Descrizione fisica 1 online resource (555 p.) Collana Oxford scholarship online Altri autori (Persone) SelbyP (Peter) 616.99/4071 Disciplina Soggetti Cancer - Molecular aspects Cancer cells Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali "Oxford bioscience"--Cover. Nota di contenuto Contents; Contributors; 1 What is cancer?; 2 The causes of cancer; 3 Inherited susceptibility to cancer; 4 DNA repair and cancer; 5 Epigenetic events in cancer; 6 Molecular cytogenetics of cancer; 7 Oncogenes; 8 Tumour suppressor genes; 9 The cancer cell cycle; 10 Cellular immortalization and telomerase activation in cancer; 11 Growth factors and their signalling pathways in cancer; 12 Apoptosis: molecular physiology and significance for cancer therapeutics: 13 Mechanisms of viral carcinogenesis; 14 Cytokines and cancer; 15 Hormones and cancer; 16 The spread of tumours; 17 Tumour angiogenesis 18 Stem cells, haemopoiesis, and leukaemia19 Animal models of cancer; 20 The immunology of cancer; 21 The molecular pathology of cancer; 22 From transcriptome to proteome; 23 Local treatment of cancer; 24 Chemotherapy; 25 Radiotherapy and molecular radiotherapy; 26 Monoclonal antibodies and therapy; 27 Immunotherapy of cancer; 28 Cancer gene therapy; 29 Screening; 30 Conclusions and prospects: Index Sommario/riassunto The fourth edition of this highly acclaimed and respected textbook has been extensively revised and updated, with many new contributors, and new editors.