1. Record Nr. UNINA9910830411003321

Titolo	Cell cycle and growth control : biomolecular regulation and cancer
Pubbl/distr/stampa	[Place of publication not identified], : Wiley Liss, 2004
ISBN	1-280-55674-9 9786610556748 0-471-65642-9 0-471-65643-7
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (802 pages)
Disciplina	571.84
Soggetti	Cell Cycle - physiology Mutagenesis - physiology Cell Death - physiology Cell Transformation, Neoplastic Genomic Instability Cytology Biology Health & Biological Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Sommario/riassunto	The groups of specialized cells that make up the various human tissues depend on an intricate communication network to regulate gene expression that in turn mediates growth, cell--type specific function, division, and programmed cell death. This network consists of extracellular signals interacting with the receptors of individual cells and determining the fate of each. Since this regulatory system plays a critical role in complex tissue, aberrations or malfunctions often accompany the onset and progression of cancer. Cell Cycle and Growth Control: Biomolecular Regulation and Cancer, Second Edition provides a solid basis for understanding cell cycle and growth control as it relates to biological regulation, with a special emphasis on examining these processes in the context of cancer.; Newly updated with the latest

significant advances, this Second Edition features: Cutting--edge applications in clinical diagnostics and therapeutics Focus on mechanisms mediating the control of proliferation Numerous clear illustrations Extensive bibliography Well--recognized, expert chapter authors Video clips on accompanying Web site showing cell cycle control Cell Cycle and Growth Control, Second Edition offers both an introduction to important concepts and detailed discussion of regulatory mechanisms at the cellular, biochemical, genetic, and molecular levels. The only book to comprehensively cover both the foundations and cutting--edge advances in understanding cell cycle and growth control, this text also contains an expert perspective on innovative strategies for cancer treatment, making it a vital companion for researcher and clinician alike.