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	Descrizione fisica	1 online resource (215 pages)
	Disciplina	610.72
	Soggetti	Medicine - Research Biology - Research Zoology Medical genetics Cytokines Brain Neoplasms Genetics, Medical Biomedical Research Signal Transduction Carcinogenesis Medical Genetics Cytokines and Growth Factors
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Introduction of Cell signalling Pathways and Brain Tumours Wnt cell signalling pathway and brain tumours development Notch cell signalling pathway and Brain Tumours Shh cell signalling pathway and paediatric brain tumour "Medulloblastoma" Role of Shh cell signalling pathway in "glioma" Role of stem cell marker NANOG in brain tumours development Stem cell factor Sox2 and Brain Tumours Development Role of Neurotrophins in brain tumor development Role of NFk in brain tumour development Role of Myc in brain tumours development Role of P53 in Medulloblastoma Development Role of Gene TP53 in glioblastoma development Role of HIF-1 in Brain Tumour Development EGFR and its role in

	glioma development Role of EFGR in medulloblastoma development Role of OCT4 in glioblastoma development Role of OCT4 in paediatric brain tumour "medulloblastoma" development Role of Mitogen activated protein (MAP) Kinase in paediatric brain tumour "medulloblastoma".
Sommario/riassunto	This book provides acomprehensive overview of cell signalling pathways and morphogens in the genesis of brain tumours. It also explains the role of brain tumour stem cells in the brain tumour progression. It also elucidates the novel early biomarkers that can be utilized to diagnose brain tumours. It presents the basic developmental pathways and morphogens, including retinoic acid and TGF-b that promote brain tumorigenesis. The chapters illustrate the role of stem cells and stem cells mediated cell signalling pathways including, Sonic hedgehog, Notch, Wnt in the brain tumour growth. The chapters also emphasize the role of transcription factors, mainlyNanog, Sox, BMI1, HIF1 and Pax6 in the brain tumouriogensis. It highlights the role of NF- kb, Myc and neurotrophins in the brain tumour development. Finally, the book summarizes the potential early therapeutic targets and targeted drug discovery for brain tumours