1. Record Nr. UNINA9910438016003321 Emerging Concepts in Neuro-Oncology / / edited by Colin Watts Titolo London:,: Springer London:,: Imprint: Springer,, 2013 Pubbl/distr/stampa **ISBN** 1-283-91156-6 0-85729-458-X Edizione [1st ed. 2013.] Descrizione fisica 1 online resource (221 p.) Disciplina 616.99481 Soggetti Oncology Neurology Cancer research Neurosciences Oncology Neurology Cancer Research Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto 1. Classification of Gliomas -- 2. Epigenetics and Brain Cancer -- 3. Astrocyte Differentiation from Oligodendrocyte Precursors -- 4. Stem Cells and Brain Cancer -- 5. In Vitro Models of Brain Cancer -- 6. Mouse Models of Glioma Pathogenesis: History and State of the Art --7. The Application of Novel Ionising Radiation Species for Glioblastoma -- 8. Advances in Imaging Brain Cancer -- 9. Surgical Management of Glial Cancers -- 10. Radiation Oncology in Brain Cancer -- 11. Managing the Elderly Patient -- 12. Brain Tumour Presentation in Children and Young People -- 13. How Can We Improve Clinical Trial Recruitment in Neuro-Oncology? Neuro-oncology is one of the most exciting and rapidly evolving areas Sommario/riassunto of oncology. In recent years there has been a remarkable increase in activity in the field, from basic science through to the clinic. This is reflected by advances in the understanding of the biology of CNS malignancies which have informed the development of novel and successful therapies. In this environment it is essential to facilitate

communication and understanding of new ideas and concepts. Emerging Concepts in Neuro-Oncology is written with this in mind: to encourage collaboration across traditional boundaries and promote translational research for patient benefit. The book moves from concepts in the scientific basis of neuro-oncology in part one, through models of brain cancer in part two, to emerging concepts in clinical practice in part three, with a focus on translational research. This book will be an essential read for neuroscience researchers, cancer researchers, neurosurgeons and clinical oncologists as well as anyone with an interest in this exciting, dynamic field.