Record Nr. UNINA9910877169003321 Human polyomaviruses [[electronic resource]]: molecular and clinical **Titolo** perspectives / / edited by Kamel Khalili, Gerald L. Stoner Pubbl/distr/stampa New York, : Wiley-Liss, c2001 **ISBN** 1-280-36658-3 9786610366583 0-470-31316-1 0-471-46102-4 0-471-22194-5 1 online resource (714 p.) Descrizione fisica Altri autori (Persone) KhaliliKamel <1951-> StonerGerald L. <1943-> 616.0194 Disciplina 616/.0194 Soggetti Polyomaviruses Oncogenic DNA viruses 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 and index. Nota di contenuto HUMAN POLYOMAVIRUSES; CONTENTS; PREFACE; CONTRIBUTORS; 1 Progressive Multifocal Leukoencephalopathy: The Discovery of a Neurologic Disease; 2 Papova Virions in Progressive Multifocal Leukoencephalopathy: A Discovery at the Interface of Neuropathology, Virology, and Oncology; 3 Progressive Multifocal Leukoencephalopathy: Cultivation and Characterization of the Etiologic Agent; 4 Serendipity-The Fortuitous Discovery of BK Virus; 5 The Human Polyomaviruses: An Overview: 6 Transcription and Replication in the Human Polyomaviruses; 7 The Archetype Concept and Regulatory Region Rearrangement 8 Synthesis and Assembly of Polyomavirus Virions9 Cellular Receptors for the Polyomaviruses: 10 Latent and Persistent Polyomavirus Infection; 11 Clinical Progressive Multifocal Leukoencephalopathy: Diagnosis and Treatment; 12 The Neuropathology and Pathogenesis of Progressive Multifocal Leukoencephalopathy; 13 Laboratory Findings in Progressive Multifocal Leukoencephalopathy: 14 Molecular Biology of

BK Virus and Clinical and Basic Aspects of BK Virus Renal Infection; 15 JC Virus in Experimental and Clinical Brain Tumorigenesis; 16 Evidence for BK Virus as a Human Tumor Virus

17 SV40 and Human Tumors18 Molecular Evolution and Epidemiology of JC Virus; 19 The Epidemiology of BK Virus and the Occurrence of Antigenic and Genomic Subtypes; 20 The Epidemiology of SV40 Infection Due to Contaminated Polio Vaccines: Relation of the Virus to Human Cancer; 21 The Immune Response to SV40, JCV, and BKV; 22 The Human Polyomaviruses: Past, Present, and Future; INDEX

## Sommario/riassunto

Human PolyomavirusesMolecular and Clinical perspectivesEdited by Kamel Khalili and Gerald L. StonerOur understanding of human polyomaviruses has evolved profoundly in the last fifteen years, creating an urgent need for an updated resource. Drs. Khalili and Stoner have collected the contributions of renowned researchers and clinicians in this cutting-edge volume. Human Polyomaviruses: Molecular and Clinical Perspectives presents in-depth analyses, comprehensive reviews, and timely assessments of recent discoveries and ongoing controversies focused on these important viral pathogen