1. Record Nr. UNINA9910961416403321

Titolo	Viral gene expression regulation / / Eli B. Galos, editor
Pubbl/distr/stampa	New York, : Nova Biomedical Books, c2010
ISBN	1-61324-202-6
Edizione	[1st ed.]
Descrizione fisica	1 online resource (341 p.)
Collana	Genetics--research and issues series
Altri autori (Persone)	GalosEli B. <1968->
Disciplina	572.8/65 616.91042
Soggetti	Viral genetics Genetic regulation
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	Viral gene expression and host cell immunity / Jia-Hai Lee, Fredric Abramson -- Retroviral gene expression regulation / Maria Rosa Lopez-Huertas, Mayte Coiras -- Modulation of cellular signaling and gene expression by vitamin E / Jean-Marc Zingg, Angelo Azzi -- Vitamin E activity in immune response : a possible immunoenhancing role in chronic viral infections / Sirio Fiorino ... [et al.] -- Regulation of geminivirus gene expression : potential applications in biotechnology / Kathleen L. Hefferon -- Gene expression regulation in the developing brain / Ching-Lin Tsai, Li-Hsueh Wang -- A bioinformatical approach to the analysis of viral and cellular internal ribosome entry sites / Martin Mokrejs ... [et al.] -- Analysis of gene family expression in African endemic- and AIDS-related Kaposi's sarcoma / Antoinette C. van der Kuyl ... [et al.] -- Diagnostic classification using gene expression profiling in AML / K. I. Mills, A. F. Gilkes -- Regulation of baculovirus-mediated gene expression / Wen-Hsin Lo, Yu-Chen Hu.
Sommario/riassunto	Viral gene expression regulation refers to any of the processes by which cytoplasmic factors influence the differential control of gene action in viruses. The interplay of the viral genome with the host metabolic machinery involves modifications in both gene expression and regulation. Retroviruses have adapted themselves to use this machinery while maintaining the cell integrity, which is essential to preserve their survival. Consequently, there can be variable host

pathogenicity associated with several diseases such as malignancies, immunodeficiencies, and neurological disorders. This book describes current research in the field, and gives a better understanding of the retroviral gene expression regulation that is essential to develop prevention and therapeutic strategies in the future.