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Titolo	Emerging viruses // edited by Stephen S. Morse
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Descrizione fisica	1 online resource (xxiii, 317p.) : ill., map, port
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	J. Lederberg: Viruses and humankind: Intracellular symbiosis and evolutionary competition; S.S. Morse: What do we know about the origins of emerging viruses?; Section I: VIRAL EMERGENICES IN HISTORICAL CONTEXT: W.H. McNeill: Patterns of disease emergence in history; R.G. Webster: Influenza; K.M. Johnson: Emerging viruses in context: an Overview of viral hemorrhagic fevers; Section II: VIRUSES AND THE HOST: R. May: Ecology and evolution of host-virus association; B.N. Fields: Pathogenesis of viral infections; T.E. Shenk: Virus and cell: determinants of tissue trophism; Section III: SEEING THE UNSEEN: METHODS FOR DETECTING NEW VIRUSES: D.D. Richman: Virus detection systems; D. Ward: New technologies for virus detection; Section IV: EMERGING VIRUSES: WHERE THEY COME FROM; R.E. Shope & A.S. Evans: Assessing geographic and transport factors; T.P. Monath: Arthropod-borne viruses; J. LeDuc, J.E. Childs, G.E. Glass, & A.J.

Watson: Hantaan (Korean hemorrhagic fever) and related rodent zoonoses; C.J. Peters: Filoviruses; B. Mahy: Seal plague virus; C.R. Parrish: Canine parvovirus 2, a probable example of interspecies transfer; F. Fenner: Human monkeypox - a newly-discovered human virus disease; M. Houghton: New hepatitis viruses; G. Meyers, J. Lawrence, & K. MacInnes: Phylogenetic moments in the AIDS epidemic; Section V: HOW VIRUSES EVOLVE: J. Holland: Replication error, quasispecies populations, and extreme evolution rates of RNA viruses; H.M. Temin: The high rate of retrovirus variation results in rapid evolution; P. Palese: Evolution of influenza and RNA viruses; B. Murphy: Factors restraining emergence of new influenza viruses; J.H. Strauss: Recombination in evolution of RNA viruses; B. Eldridge: Evolutionary relationships of vectors and viruses; Section VI: PROSPECTS FOR THE FUTURE; T. Lovejoy: Global change and epidemiology: nasty synergies; L.J. Legters & E. Takafuji: Are we prepared for a viral epidemic emergency?; D.A. Henderson: Surveillance systems and intergovernmental cooperation; E.D. Kilbourne: Afterword: a personal summary.

Sommario/riassunto

A reference work that focuses on rapid viral evolution and such emerging viruses as mad cow disease and AIDS. It examines the interaction of viruses with hosts, advances in molecular biology and epidemiology which help to track viral infections, and ways of preventing future epidemics.
