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Nota di contenuto	Introduction -- Materials and Methods -- Results-I. Lamin A is an endogenous activator of SIRT6 in DNA damage repair process -- Results-II. Haploinsufficiency of p53 rescues lifespan and premature aging-associated abnormalities in Sirt6-deficient mice -- Results-III. SIRT6 is an acetylated protein and a NAD+-dependent self-deacetylase -- Discussion.
Sommario/riassunto	This book illustrates the activities of mammalian sirtuin SIRT6 in connection with DNA damage repair and premature aging. It mainly presents research on the nuclear lamin A, notably the upregulation of p53 and acetylation etc. Taken together, these studies reveal the various regulatory roles of SIRT6, which are of substantial biological relevance in DNA damage repair, aging and longevity, and can have significant implications in devising therapeutic strategies to combat age-associated pathologies. Given its scope, the book offers a valuable resource for students and researchers in the fields of genetics, cell biology, molecular biology etc.