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Nota di contenuto	Contents; Contributors; Preface; Ch 01: Regulation of Ion Channel and Transporter Function Through RNA Editing; Ch 02: Mechanisms and Functions of RNA Editing in Physarum polycephalum; Ch 03: Transfer RNA Modification and Editing; Ch 04: Coordination of RNA Editing with Other RNA Processes in Kinetoplastid Mitochondria; Ch 05: Structural Studies of U-Insertion/ Deletion RNA Editing in Trypanosomes; Ch 06: RNA Editing and Small Regulatory RNAs; Ch 07: Deaminase-dependent and Deaminase-independent Functions of APOBEC1 and APOBEC1 Complementation Factor in the Context of the APOBEC Family Ch 08: Identification of RNA Editing Sites: a Survey of the Past, Present and Future Ch 09: Regulation of Gene Expression Through Inosine-containing Untranslated Regions; ADAR and the Balance Game Between Virus Infection and Innate Immune Cell Response; Index
Sommario/riassunto	Cellular editing of RNA can lead to the recoding of expressed sequences before they mature to their functional gene products - such as proteins or regulatory RNAs - and represents a hidden layer of genetic information and regulation. Often, the recoding events are essential for the normal function of the gene product (for example, creating an open reading frame). In other cases, RNA editing creates additional variation and phenotypic diversity since both the edited and the non-edited versions of the product are functional and co-exist. It is necessary to understand the mechanisms of RNA editing

