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Titolo	Plant centromere biology [[electronic resource] /] / editors, Jiming Jiang, James A. Birchler
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Descrizione fisica	1 online resource (223 p.)
Altri autori (Persone)	JiangJiming BirchlerJames A <1950-> (James Arthur)
Disciplina	572.8/2
Soggetti	Plant molecular genetics Plant genomes Plant physiology Centromere Botany
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	Cover; Title page; Copyright page; Contents; Contributors; Preface; 1: Arabidopsis Centromeres; Centromere DNA structure; Cytosine methylation and heterochromatin; Centromere proteins; Functional domains; Future prospects and conclusions; Acknowledgments; References; 2: Rice Centromeres; Discovery of the centromeric retrotransposon (CR) in cereal species; CRR elements in rice centromeres; Rice centromeres contain a centromere-specific satellite repeat CentO; Genome-wide mapping of CENH3-associated DNA sequences in rice centromeres; Genes in rice centromeres Epigenetic modification of centromeric DNA and centromeric chromatin in rice Future research; Acknowledgments; References; 3: Maize Centromeres; Molecular characterization of maize centromeres: the beginnings; CENH3; The maize genome sequence; CRM evolution; CentC evolution; Other tandem repeats near maize centromeres; Enrichment of CentC and CRM in functional centromeres; Mapping

centromere BACs; Delineation of the functional centromeres; Arrangement of centromere repeats; Centromere inactivation and reactivation; B centromeres; Sequence turnover at centromeres Epigenetics of maize centromeres Remaining questions; Acknowledgments; References; 4: A Molecular Cytogenetic Analysis of the Structure, Evolution, and Epigenetic Modifications of Major DNA Sequences in Centromeres of Beta Species; The genus Beta; Genomes and chromosomes; Diversity and evolution of satellite DNA as a major component of Beta centromeres; Centromeric retrotransposons in the genus Beta; The centromeres of Beta procumbens and alien fragment addition lines; Epigenetic characterization of the sugar beet centromere; References
5: Centromere Synteny among Brachypodium, Wheat, and Rice Centromeres of wheat; Centromeres of Brachypodium distachyon; Centromere synteny between wheat and rice; Centromere synteny among Brachypodium, wheat, and rice; Possible mechanism of centromere inactivation; Acknowledgments; References; 6: CENH3 for Establishing and Maintaining Centromeres; CENH3: detection and evolution; Identification and localization studies of CENH3 in different plant species; CENH3 duplication in alloploid and some diploid species; Loading of CENH3 to plant centromeres during mitotic cell cycle Distribution of CENH3 in pollen nuclei and its resetting in the zygote Epigenetic regulation of kinetochore assembly; Functional requirement of N- and C-terminal parts of CENH3; Recognition of A. thaliana centromeres by heterologous CENH3; Deregulation of CENH3 activity in plants; Interaction of CENH3 with centromeric DNA; Regulation of CENH3 expression by the E2F transcription factor family; CENH3 levels at centromeres decline with the age of tissue; CENH3, from basic research to agricultural application; Acknowledgments; References; 7: Holokinetic Centromeres
Occurrence and evolution of holocentric chromosomes

Sommario/riassunto

Plant Centromere Biology is dedicated to plant centromere research. Chapters cover the structure of centromeres from several plant species including Arabidopsis thaliana, rice, maize, wheat and beet, while other sections cover several unique characteristics associated with plant centromeres, including classical and modern neocentromeres, centromere drive and centromere misdivision. Additional chapters are dedicated to epigenetic modification and evolution of plant centromeres, and development and application of plant artificial chromosomes. Written by an international group

2. Record Nr. UNINA9910687933703321

Titolo	Handbook of adolescent digital media use and mental health / / Jacqueline Nesi, Eva H. Telzer, Mitchell J. Prinstein, editors
Pubbl/distr/stampa	Cambridge, UK ; ; New York, NY : , : Cambridge University Press, , [2022]
Descrizione fisica	1 online resource
Disciplina	004.67/80835
Soggetti	Internet and teenagers - Psychological aspects Mass media and teenagers - Psychological aspects Digital media - Psychological aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	"The experience of contemporary adolescents is one that differs profoundly from that of earlier generations. Research on adolescence has also endured substantial change, and the concept of change is central to the topics addressed in this handbook. Change, for example, is key to the very definition of adolescence as a developmental time period marked by rapid physical, social, and psychological transformation. Accumulating evidence in developmental neuroscience over the past decades reveals a complexity of change not previously understood. Mental health is also an evolving concept - both in definition and in practice - with our understanding of what constitutes "good" mental health subject to fluctuating societal norms and stigmas, emerging diagnostic categories and dimensions, and increasing prevalence rates. Yet perhaps most closely tied to the concept of change is digital media - inextricably linked with evolution, adaptation, transformation. To understand digital media is to recognize and wrestle with a constantly evolving phenomenon - an entity that changes within a world that changes around it, both as a cause and a consequence of it"-- Provided by publisher.