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Titolo	Telomere territory and cancer // Parvin Mehdipour, editor
Pubbl/distr/stampa	Dordrecht [Netherlands] ; ; New York, : Springer, 2013
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Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (212 p.)
Altri autori (Persone)	MehdipourParvin
Disciplina	572.87
Soggetti	Telomere Telomerase Cancer cells
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	Preface; Contents; Abbreviations and Acronyms; Contributors; Chapter-1; Telomerase: from Aging to Human Cancers; 1.1 Introduction; 1.2 Telomerase in Aging; 1.3 Telomerase in Leukemia; 1.4 Telomerase in Lymphomas; 1.5 Telomerase in Carcinomas; 1.6 Telomerase in Sarcomas; 1.7 Telomerase Targeted for Cancer Therapy; 1.8 Conclusions and Future Perspectives; References; Chapter-2; Telomerase: Basic and Clinical Approaches; 2.1 Introduction; 2.2 Telomerase Structure; 2.3 Telomerase Regulation; 2.3.1 Pretranslational Regulation; 2.3.2 Posttranscriptional Regulation; 2.3.3 Telomerase Activators 2.3.3.1 Akt kinase 2.3.3.2 Protein kinase C and IP6; 2.3.4 Telomerase Repressors; 2.3.4.1 c-Abl; 2.3.4.2 PP2A; 2.4 Telomerase Activity and Expression of Its RNA Component (hTR) in Breast Cancer Patients (Adapted from Hosseini et al. 2006a Hosseini et al. 2006b); 2.4.1 Methods; 2.4.2 Results; 2.4.3 Discussion; 2.5 Expression of hTR and hTERT in Human Breast Cancer Patients: A Clinical Based Data (Adapted from Hosseini et al. 2006a Hosseini et al. 2006b); 2.5.1 Results; 2.5.2 Discussion; References; Chapter-3 Detection of Telomerase Activity: A New Strategy for Detecting Low Activity of Telomerase 3.1 Introduction; 3.2 TRAP Assay; 3.3 TRAP-SPA;

3.4 Real-Time Quantitative Assay (RQ-TRAP); 3.5 ISTRAP; 3.6 PCR-Free Telomerase Detection; 3.7 TMA/HPA; 3.8 A New Strategy for Detecting Low Activity of Telomerase; 3.8.1 Material and Methods; 3.8.2 Results; 3.8.3 Discussion; References; Chapter-4; Telomere, Regulation and Tumorigenesis; 4.1 Introduction; 4.2 Telomeric DNA; 4.3 Telomeric Proteins and Its Regulation; 4.4 Telomeric Proteins and DNA Repair; 4.5 Telomeric Position Effect and Its Proteins  
4.6 Telomere Protection and Maintenance  
4.7 Telomere Maintenance and DNA Damage Response; 4.8 Telomeres and Homologous Recombination; 4.9 Alternative Mechanism of Telomere Maintenance; 4.10 Telomere Function in Meiosis; 4.11 Telomere Dysfunction and Tumorigenesis; 4.12 Telomere and Telomerase in Brain Tumors; References; Chapter-5; Novel Hypothesis on Telomere Length: Heterogenic Targets as Genomic/Somatic Diverse Value in Breast Cancer and Brain Tumor; 5.1 Introduction; 5.1.1 Techniques to Measure TL At a Glance; 5.2 Cell; 5.2.1 Cell Is Core Spring of Our Life  
5.2.2 The Initiative Reports on Tumor Evolution Contributed by  
5.2.3 Cells Live, Divide and Die; 5.3 Pedigree-Based Insight in Cancer; 5.3.1 The Characteristics and Impact of Pedigree-Based Research; 5.4 Diversity and Evolution; 5.4.1 Hypothesis and Tumorigenesis; 5.4.2 Questions on Some Facts in Cancer Biology; 5.4.3 Diversity; 5.5 Natural Selection; 5.6 Basic Facts About Telomere at a Glance; 5.7 Evolution and Novel Hypothesis on Telomere Length; 5.7.1 Modeling and Hypothesis; 5.7.2 Pedigree as a Core in Cancer Research; 5.7.2.1 Sample Designing; 5.7.2.2 Patients and Control Groups  
5.7.2.3 Brief Strategy for Materials and Methods

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## Sommario/riassunto

Timing, racing, combating, struggling and targeting is some actions through which cellular fate could be reflected and evaluated. Interaction between cell territory and environment occur during pre-embryonic, fetal development, and post-natal periods. What the researchers observe as the outcome of telomeres behavior is only the peak of an ice mountain within a stormy ocean. Cellular life depends on programmed behavior of telomeres, capable to surprise the cells. Telomeres provide an introduction to the history of our cells which govern the quality of life and status of health. Telomeres as the cooperative territory are capable of stabilizing the chromosomal territory. The status of telomeres reflects the key information, announcing the real age of individuals, and may be a valuable marker for prognosis and predicting cancer. Telomere territory is characterized with a multi-disciplinary manner. Therefore, this book is aimed to offer a wide range of chapters, hoping to be useful for diverse audiences, including hematologists-oncologists, radiotherapists, surgeons, cancer researchers, and all the sectors who affect the macro- and micro-environmental domains. Finally, telomeres are sensitive, cooperative, and trustable targets. It is worth to state that 'telomeres are messengers of NATURE', let's to know them as they are.

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2. Record Nr.	UNINA9910255241703321
Autore	Keitumetse Susan Osireditse
Titolo	African Cultural Heritage Conservation and Management : Theory and Practice from Southern Africa // by Susan Osireditse Keitumetse
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-32017-3
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XXX, 227 p. 19 illus., 16 illus. in color.)
Disciplina	363.69
Soggetti	Cultural property Culture—Study and teaching Management Sustainable development Architecture Cultural Heritage Regional and Cultural Studies Cultural Management Sustainable Development Architectural History and Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction: An overview of African cultural heritage -- Describing African cultural heritage and its place in global heritage practice -- International Conventions as Frameworks of Identity in Africa: World Heritage Protection -- The Politics of the past in African cultural heritage practice -- Community-Based Cultural Heritage Resources Management (COBACHREM) -- Interpretation: Harmonizing multiple cultural identities in African sites and monuments -- The Heritage industry and African cultures: Cultural Heritage tourism -- Development: Mainstreaming African cultural heritage into development practice -- Conclusions: Towards Sustainable African heritage conservation and practice.
Sommario/riassunto	For a long time, resource conservationists have viewed environmental

conservation as synonymous with wilderness and wildlife resources only, oblivious to the contributions made by cultural and heritage resources. However, cultural heritage resources in many parts of the developing world are gradually becoming key in social (e.g. communities' identities and museums), economic (heritage tourism and eco-tourism), educational (curriculum development), civic (intergenerational awareness), and international resources management (e.g. UNESCO). In universities, African cultural heritage resources are facing a challenge of being brought into various academic discourses and syllabi in a rather reactive and/or haphazard approach, resulting in failure to fully address and research these resources' conservation needs to ensure that their use in multiple platforms and by various stakeholders is sustainable. This book seeks to place African cultural heritage studies and conservation practices within an international and modern world discourse of conservation by presenting its varied themes and topics that are important for the development of the wider field of cultural heritage studies and management.

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