

1. Record Nr.	UNINA9910996486603321
Titolo	Epigenetics of Cervical Cancer / / edited by Shama Prasada Kabekkodu, Aniruddha Chatterjee, Sanjiban Chakrabarty
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9639-85-9
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (XIII, 185 p. 17 illus., 16 illus. in color.)
Disciplina	572.865
Soggetti	Epigenetics Biochemical markers Tumor markers Cancer - Genetic aspects Cancer Medical screening Cancer - Treatment Biomarkers Tumour Biomarkers Cancer Genetics and Genomics Cancer Screening Cancer Therapy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Chapter 1: Introduction to Cervical Cancer -- Chapter 2: Epigenetic Mechanisms and Functions -- Chapter 3: HPV As an Inducer of Epigenetic Changes in Cervical Cancer -- Chapter 4: Microbiome and Epigenetic Interactions in Cervical Cancer -- Chapter 5: Role of DNA Methylation in Cervical Cancer -- Chapter 6: Chromatin Remodelling in Cervical Tumour Cells Regulates Proangiogenic Genes -- Chapter 7: Role of miRNAs in Cervical Cancer -- Chapter 8: Contribution of Long Noncoding RNAs and Other Noncoding RNAs in Cervical Cancer -- Chapter 9: Methods to Detect Epigenetic Changes -- Chapter 10: Role of Epigenetics in Cervical Cancer Radiotherapy Treatment Outcomes -- Chapter 11: Epigenetic Therapy in Cervical Cancer.

Sommario/riassunto

This book focuses on the fundamentals of epigenetics, covering the roles of DNA methylation, histone modifications, and non-coding RNA, especially miRNA and lncRNA, in cervical cancer. The chapters discuss various methods to detect epigenetic changes and how these changes could be useful for diagnosis, prognosis, as well as epigenetic therapy. Further chapters address the up-to-date approaches and solutions to the parameterizing bottlenecks associated with the translation of these findings for the management of cervical cancer. The book is supplemented with figures and tables to aid conceptual understanding. The book is relevant for researchers, academicians, scientists, as well as medical students seeking to understand the fundamentals of cervical cancer based on environmental or genetic factors.
