

1. Record Nr.	UNINA9910349446103321
Autore	Dakubo Gabriel D
Titolo	Cancer Biomarkers in Body Fluids [[electronic resource] ] : Biomarkers in Proximal Fluids // by Gabriel D. Dakubo
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-24725-2
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (306 pages)
Disciplina	616.994075
Soggetti	Human genetics Oncology Cancer research Human Genetics Oncology Cancer Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Melanoma Biomarkers in Exfoliated Cells -- 2. Head and Neck Cancer Biomarkers in Saliva -- 3. Lung Cancer Biomarkers in Lung Fluids -- 4. Breast Cancer Biomarkers in Breast Fluids -- 5. Gastric Cancer Biomarkers in Gastric Fluid -- 6. Colorectal Cancer Biomarkers in Stool -- 7. Hepatobiliary Cancer Biomarkers in Bile -- 8. Pancreatic Cancer Biomarkers in Pancreatic Juice -- 9. Renal Cancer Biomarkers in Urine -- 10. Bladder Cancer Biomarkers in Urine -- 11. Prostate Cancer Biomarkers in Prostatic Fluid -- 12. Testicular Cancer Biomarkers in Seminal Fluid -- 13. Ovarian Cancer Biomarkers in Peritoneal Fluid -- 14. Endometrial Cancer Biomarkers in Menstrual Fluid -- 15. Cervical and Vulvar Cancer Biomarkers in Exfoliated Cells -- 16. Brain Cancer Biomarkers in Cerebrospinal Fluid -- 17. Hematologic Cancer Biomarkers in Blood -- 18. The Body Fluid Microbiome and Cancer -- 19. Biomarkers in Interstitial Fluids of Cancer Cells.
Sommario/riassunto	The ability to measure and monitor cancer biomarkers in “body fluid biopsy” should greatly impact oncologic practice. “Biomarkers in Proximal Fluids”, the third of the “Cancer Biomarkers in Body Fluids”

series details cancer signatures in none or minimally circulating body fluids including saliva, sputum, bronchoalveolar lavage fluid, exhaled breath condensate, nipple aspirate fluid, gastric and pancreatic juice, stool, urine, and prostatic, peritoneal and cerebrospinal fluid. These fluids are enriched with biomarkers, especially those emanating from cells of the proximal tissue. Chapter 1 examines the global burden of cancer and the need for regional efforts at primary prevention, early detection and patient care. Chapters 2-12 address tissue-specific biomarkers in associated body fluids. The tumor interstitial fluid as a microenvironment rich in cancer biomarkers is detailed in chapter 13, while chapter 14 looks at the human body fluid microbiome and its evolving role in cancer. Commercially available assays using proximal fluids are examined at the end of the respective chapters. This book complements its predecessors and is equally useful to oncologists, cancer researchers, clinicians, medical students, nurses, diagnostic laboratory and pharmaceutical industry personnel.

---