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Jul 01, 2019 · A team of researchers from UCLA and the University of Toronto have **identified** a new **biomarker found** in urine that **can help detect aggressive prostate cancer**...

Epigenetic biomarkers for prostate cancer

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The scientists exploit specific **epigenetic** changes for early, noninvasive detection of **aggressive prostate cancer**. In the process, they hope to develop predictive **epigenetic biomarkers**—focusing both on circulating free nucleic acids and exosomes—that **can** be quantified by simple, liquid biopsy.

Epigenetics in Prostate Cancer - PubMed Central (PMC)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3236424>

Nov 30, 2011 · The PLAU gene is highly expressed in most **prostate cancer tissues** and **invasive prostate cancer cell lines** [61, 62]. The PLAU gene encodes **urokinase plasminogen activator**, a multifunctional protein that **can promote tumor invasion** and metastasis in several malignancies including **prostate cancer** [3].

Epigenetic regulation of prostate cancer

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3365395>

Prostate cancer is a commonly diagnosed **cancer** in men and a leading cause of **cancer** deaths. Whilst the underlying mechanisms leading to **prostate cancer** are still to be determined, it is evident that both genetic and **epigenetic** changes contribute to the development and progression of this disease.

Cited by: 23

Author: Suyin P. Chin, Joanne L. Dickinson, Adele ...

Publish Year: 2011

A urine-based DNA methylation assay ... - Clinical Epigenetics

<https://clinicalepigeneticsjournal.biomedcentral.com/articles/10.1186/s13148-018-0575-z> ▾

Name of Journal: *World Journal of Clinical Oncology*

Manuscript NO: 51075

Manuscript Type: REVIEW

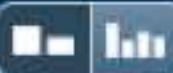
Can epigenetic and inflammatory biomarkers identify clinically aggressive prostate cancer?

Santos PB *et al.* Clinically aggressive prostate cancer biomarkers

Pedro Bargão Santos, Hitendra Patel, Rui Henrique, Ana Félix

Abstract

Match Overview



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- 1** **Crossref** 78 words
G Gueron, A De Siervi, E Vazquez. "Advanced prostate cancer: reinforcing the strings between inflammation and the metastatic progression", *World Journal of Clinical Oncology*, 2019;10(1):1-10. 2%
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Jeronimo, C.. "Epigenetics in Prostate Cancer: Biologic and Clinical Relevance", *European Urology*, 2011;110(1):1-10. 2%
- 3** **Internet** 48 words
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- 4** **Crossref** 16 words
S. Irshad, M. Bansal, M. Castillo-Martin, T. Zheng et al. "A Molecular Signature Predictive of Indolent Prostate Cancer", *Scientific Data*, 2019;8(1):1-10. <1%



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Epigenetics in Prostate Cancer - PubMed Central (PMC)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3236424>

Nov 30, 2011 · **Prostate cancer** (PC) is the most commonly diagnosed nonskin malignancy and the second most common cause of cancer death among men in the United States. **Epigenetics** is the study of heritable changes in gene expression caused by mechanisms other than changes in the underlying DNA sequences. Two common ...

Cited by: 55

Author: Costantine Albany, Ajjai S. Alva, Ana M.

Publish Year: 2011

Identification of Novel Epigenetic Markers of Prostate ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4602334>

However, approved **clinical biomarkers** for discrimination between **aggressive** and nonaggressive types of **prostate cancer** are still lacking . It is known that chromosomes undergo different types of genetic and **epigenetic** changes in carcinogenesis.

Cited by: 17

Author: Alexey A. Dmitriev, Eugenia E. Rosenber...

Publish Year: 2015

New biomarker in urine can help detect aggressive prostate ...

<https://www.news-medical.net/news/20190701/New-biomarker-in-urine-can-help-detect...> ▾

Jul 01, 2019 · A team of researchers from UCLA and the University of Toronto have **identified** a new biomarker found in urine that can help detect aggressive prostate cancer...

JCI - Protasomes as a source of diagnostic biomarkers for ...

<https://www.jci.org/articles/view/81128> ▾

The general concept that EVs isolated from **blood** can serve as **biomarkers** for cancer was recently validated for **pancreatic cancer** . In this study, glypican-1—carrying **exosomes** were detected in the **serum** of **pancreatic cancer** patients with absolute specificity and sensitivity, although it should be noted that other tumors, including **breast cancer** and gliomas, also express glypican-1.