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### Biomarkers for Colorectal Cancer

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### Biomarkers for Colorectal Cancer

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2956090>

Sep 13, 2010 · Any measurable specific molecular alteration of a cancer cell either at the DNA, RNA, **protein**, or metabolite level can be referred to as a **cancer biomarker**. The expression of a distinct gene can enable its identification in a tissue in which **none** of the surrounding **non-cancerous cells** express the specific marker.

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Feb 07, 2016 · Biomarkers currently play an important role in the **detection** and treatment of patients with colorectal cancer. Risk stratification for screening might be augmented by finding new **biomarkers** which alone or as a complement of existing tests might recognize either the ...

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### Detection of miRNA as Non-Invasive Biomarkers of ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4346866>

Jan 27, 2015 · In recent years, the medical community has investigated the potential of using microRNA (miRNA) as a novel **biomarker** for the **detection** of CRC. miRNAs are a class of small, non-coding RNA molecules that regulate gene expression by inducing mRNA degradation or suppressing translation .

Cited by: 31

Author: Albert Ren, Yajuan Dong, Ho Tsoi, Jun Yu

Publish Year: 2015



8

**Name of Journal:** *World Journal of Gastrointestinal Oncology***Manuscript NO:** 51399**Manuscript Type:** EDITORIAL**Biomarkers for detecting colorectal cancer non-invasively: DNA, RNA or proteins?**

Loktionov A. CRC biomarkers

Alexandre Loktionov

**Abstract**

Colorectal cancer (CRC) is a global problem affecting millions of people worldwide. This disease is unique because of its slow progress that makes it preventable and often curable. CRC symptoms usually emerge only at advanced stages of the disease, consequently its early detection can be achieved only through active population screening, which markedly reduces mortality from this cancer. CRC screening tests that employ non-invasively detectable biomarkers are currently being actively

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Biomarkers for detecting colorectal cancer non-invasively: DN



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Including results for biomarkers for detecting colorectal cancer non-**invasive** dna, rna or proteins?.

Do you want results only for Biomarkers for detecting colorectal cancer non-invasively: DNA, RNA or proteins? ?

## Biomarkers for Colorectal Cancer

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2956090>

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## Colorectal cancer tumour markers and biomarkers: Recent ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4724606>

Feb 07, 2016 · Blood and stool genetic and epigenetic markers. A faecal DNA test targeted at molecular biomarkers has been commercially available for twelve years, with reported sensitivity for cancer ranging from 25% up to 92% for the latest tests based on BEAMing technology, and 94%-98% specificity [ 10 - 12 ].

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Author: Albert Ren, Yujuan Dong, Ho Tsoi, Jun Yu

Publish Year: 2015

## DNA methylation and microRNA biomarkers for noninvasive ...

<https://www.sciencedirect.com/science/article/pii/S0006291X14014065>

In this article, we summarize the current state of knowledge on epigenetic biomarkers – primarily DNA methylation and non-coding RNAs – as potential substrates for cancer detection in gastric and colorectal cancer, the two most frequent cancers within the gastrointestinal tract