

Name of journal: *World Journal of Clinical Oncology*

Manuscript NO: 33969

Manuscript Type: Review

Further the liquid biopsy: Gathering pieces of the puzzle of Genometastasis Theory

Ana García-Casas, Dolores C García-Olmo, Damián García-Olmo

#### Abstract

Metastasis is the major cause of mortality in cancer disease and still constitutes one of the most controversial mechanism, not yet fully understood. What is almost beyond doubt is that circulatory system is crucial for cancer propagation. Regarding this system, much attention has been recently paid to liquid biopsy. This technique is aimed to detect circulating tumor cells (CTCs) and circulating nucleic acids so it can be used as a tool for diagnostic, prognostic and follow-up of patients. Whereas CTCs

#### Match Overview

1	Internet 65 words crawled on 20-Jul-2015 <a href="http://www.ncbi.nlm.nih.gov">www.ncbi.nlm.nih.gov</a>	1%
2	Crossref 58 words Mittra, Indraneel, Naveen Kumar Khare, Gorantla Venkata Raghuram, Rohan Chaubal, Fatema Khambatti, Deepi	1%
3	Internet 53 words crawled on 23-May-2016 <a href="http://cancerres.aacrjournals.org">cancerres.aacrjournals.org</a>	1%
4	Internet 44 words crawled on 12-Dec-2011 <a href="http://web.mit.edu">web.mit.edu</a>	1%
5	Crossref 32 words "Circulating Nucleic Acids in Serum and Plasma – CNA PS IX", Springer Nature, 2016	1%
6	Internet 28 words crawled on 20-May-2003 <a href="http://www.icare.org">www.icare.org</a>	1%
7	Internet 22 words crawled on 04-Jun-2017 <a href="http://www.jove.com">www.jove.com</a>	<1%
8	Internet 21 words crawled on 15-Jun-2017 <a href="http://breast-cancer-research.biomedcentral.com">breast-cancer-research.biomedcentral.com</a>	<1%

获得 5 条结果 ( 用时 0.82 秒 )

您是不是要找 : Further the liquid biopsy: Gathering pieces of the puzzle of **Genoa Metastasis Theory**

### The Liquid Biopsy Summit

[www.liquidbiopsysummit.com/](http://www.liquidbiopsysummit.com/) ▾ 翻译此页

With refinements in the process and technology, molecular **liquid biopsies** have ... us to put the **puzzle** together to understand the tumor through a tube of blood.

缺少字词 : further gathering pieces genomestastasis theory

### Painless cancer detection could become routine thanks to 'liquid ...

<https://www.theguardian.com> > Science > Cancer research ▾ 翻译此页

2017年6月4日 - Researchers hope '**liquid biopsy**' technology can offer a new, painless way to detect cancer. Photograph: ... "But that's a **theoretical** figure. ... **Pieces** of cancer DNA represent an even tinier sliver of all the DNA present in blood.

缺少字词 : further gathering puzzle genomestastasis

### Roche - What is liquid biopsy?

[www.roche.com/research\\_and\\_development/what.../liquid-biopsy.htm](http://www.roche.com/research_and_development/what.../liquid-biopsy.htm) ▾ 翻译此页

2017年4月10日 - A **liquid biopsy** is a simple and non-invasive alternative to surgical biopsies ... and they may not have the same ones in all **parts** of the cancer.

缺少字词 : further gathering puzzle genomestastasis theory

### GEN Roundup: Liquid Biopsies Remain Wait and See for Some ...

[www.genengnews.com/gen-articles/liquid-biopsies-remain-wait.../6048](http://www.genengnews.com/gen-articles/liquid-biopsies-remain-wait.../6048) ▾ 翻译此页

2017年5月15日 - GEN interviewed a number of **liquid biopsy** experts to learn more about ... to primary tumor data to show that the **liquid biopsy** approach **works**, ...



Further the liquid biopsy: gathering pieces of the puzzle of Genometastasis Th

全部 图片 视频 新闻 地图 图书

获得 5 条结果

时间不限

过去 1 小时内

过去 24 小时内

过去 1 周内

过去 1 个月内

过去 1 年内

所有结果

精确匹配

您是不是要找: [Further the liquid biopsy: gathering pieces of the puzzle of Genoa Metastasis Theory](#)

[Liquid Biopsies for Cancer: Coming to a Patient near You - NCBI - NIH](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5294956/>

4 Jan 2017 ... Detection of tumor-specific DNA methylation through a **liquid biopsy** is another ... The multiple-hit **theory** of cancer describes a series of genetic ... Serial ctDNA testing every six months **further** predicted recurrence, ... You may notice problems with the display of certain **parts** of an article in other eReaders.

[LIQUID BIOPSY: GATC Biotech](#)

<https://www.gatc-biotech.com/en/expertise/liquid-biopsy.html>

**Liquid biopsies** are non-invasive tests for monitoring of disease progression based on the genomic analysis of biomarkers most often extracted from blood.

[Emerging concepts in liquid biopsies | BMC Medicine | Full Text](#)

<https://bmcmedicine.biomedcentral.com/.../10.../s12916-017-0840-6>

6 Apr 2017 ... As tumors shed **parts** of themselves into the circulation, analyses of circulating ... Finally, we discuss whether **liquid biopsies** are ready to be used in ... Cell-free DNA Circulating tumor DNA Circulating tumor cells Liquid ... In the context of cancer and according to the somatic mutation **theory** of cancer [53], ...

[Painless cancer detection could become routine thanks to 'liquid ...](#)

<https://www.theguardian.com/.../cancer-detection-liquid-biopsies>

4 Jun 2017 ... Researchers hope '**liquid biopsy**' technology can offer a new, painless way to detect cancer. Photograph: ... "But that's a **theoretical** figure. ... **Pieces** of cancer DNA represent an even tinier sliver of all the DNA present in blood.

[\[PDF\] Integrating liquid biopsies into the management of ... - CANCER-ID](#)

[https://www.cancer-id.eu/.../Siravegna\\_et\\_al\\_2017\\_review\\_liquid\\_biopsy\\_management\\_of\\_cancer.pdf](https://www.cancer-id.eu/.../Siravegna_et_al_2017_review_liquid_biopsy_management_of_cancer.pdf)

2 Mar 2017 ... munity; the term '**liquid biopsy**' is often used to describe ... The molecular profiles **gathered** from ctDNA can be **further** complemented with those ...

[全部](#)[图片](#)[新闻](#)[视频](#)[购物](#)[更多](#)[设置](#)[工具](#)

找到约 18,400 条结果 (用时 0.43 秒)

### The potential for liquid biopsies in the precision medical treatment of ...

[https://www.ncbi.nlm.nih.gov/NCBI/Literature/PubMed Central \(PMC\)](https://www.ncbi.nlm.nih.gov/NCBI/Literature/PubMedCentral(PMC)) - 翻译此页

作者: VA Forte - 2016 - 被引用次数: 9 - 相关文章

2016年3月8日 - These have been promoted as potential real time "liquid biopsies", minimally .... In theory this does not happen efficiently within the tumoral mass, ... al. have further demonstrated CTC detection is prognostic in non-metastatic ...

缺少字词: gathering pieces puzzle genoa

### Liquid Biopsies for Assessing Metastatic Melanoma Progression. - NCBI

<https://www.ncbi.nlm.nih.gov/pubmed/27481010> - 翻译此页

作者: K Huynh - 2016 - 相关文章

Crit Rev Oncog. 2016;21(1-2):141-54. doi: 10.1615/CritRevOncog.2016016075. Liquid Biopsies for Assessing Metastatic Melanoma Progression. Huynh K(1) ...

缺少字词: further gathering pieces puzzle genoa theory

### Liquid Biopsies for Assessing Metastatic Melanoma Progression

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5326707/> - 翻译此页

作者: K Huynh - 2016 - 相关文章

2017年2月26日 - Keywords: Melanoma, liquid biopsy, metastasis, blood, circulating tumor ... the breakthrough with ipilimumab has led to further development of ...

缺少字词: gathering pieces puzzle genoa theory

### [PDF] July 2 - ResearchGate

<https://www.researchgate.net/.../International-Workshop-on-Biochemistry-P...> - 翻译此页

2015年7月4日 - Genova ML, and Lenaz G. Functional role of mitochondrial respiratory ..... visible and EPR spectra, biological tests and theoretical DFT. We will ..... The small piece of DNA in the .... of oxidative damage may need to be further revisited. .... 1a that lead to increase of metastatic and