

**Name of Journal:** *World Journal of Gastrointestinal Surgery*

**ESPS Manuscript NO:** 21796

**Manuscript Type:** Review

**NOD2 mutations and colorectal cancer - Where do we stand?**

**Branquinho D, Freire P, Sofia C**

### Abstract

Due to the overwhelming burden of colorectal cancer (CRC), great effort has been placed on identifying genetic mutations that contribute to disease development and progression. One of the most studied polymorphisms that could potentially increase susceptibility to CRC involves the *NOD2* gene. There is growing evidence that the biological activity of *NOD2* is far greater than previously thought and a link with intestinal microbiota and mucosal immunity is increasingly sought after. In fact, microbial composition may be an important

### Match Overview

Rank	Source	Words	Match %
1	Internet	77 words crawled on 06-May-2014 <a href="http://www.ncbi.nlm.nih.gov">www.ncbi.nlm.nih.gov</a>	1%
2	CrossCheck	75 words Paulo Freire. "CARD15 mutations and colorectal cancer ... a South European country", <i>International Journal of Colore</i>	1%
3	CrossCheck	54 words Tomasello, Giovanni, "Dismicrobism in inflammatory bowe... disease and colorectal cancer: Changes in response of col	1%
4	CrossCheck	45 words Amlan Biswas. "Nod2: a key regulator linking microbiota f... intestinal mucosal immunity", <i>Journal of Molecular Medicin</i>	1%
5	CrossCheck	41 words Janelle C. Arthur. "The struggle within: Microbial influences on colorectal cancer", <i>Inflammatory Bowel Diseases</i> , 2010	1%
6	CrossCheck	36 words Corridoni, Daniele, Kristen O. Arseneau, Maria Grazia Cifone, and Fabio Cominelli. "The Dual Role of Nod-Like Rec...	1%



[全部](#) [图片](#) [新闻](#) [购物](#) [视频](#) [更多 ▾](#) [搜索工具](#)

找到约 75,500 条结果 (用时 0.51 秒)

### Genetic predisposition to colorectal cancer: Where we stand ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) > ... > [PubMed Central \(PMC\)](#) ▾ [翻译此页](#)

作者: L Valle - 2014 - 被引用次数: 8 - [相关文章](#)

2014年8月7日 - Hereditary **colorectal cancer** genes, major associated syndromes, modes of ..... Non-exonuclease domain POLE and POLD1 **mutations do not** ...

缺少字词: `nod2`

### The NOD2 3020insC mutation and the risk of colorectal ...

[www.ncbi.nlm.nih.gov/pubmed/14996717](http://www.ncbi.nlm.nih.gov/pubmed/14996717) ▾ [翻译此页](#)

作者: G Kurzawski - 2004 - 被引用次数: 79 - [相关文章](#)

The **NOD2 3020insC mutation** and the risk of **colorectal cancer**. ... In this report, **we** have examined the frequency of the 3020insC **mutation** in a series of 856 ... onset in persons who **do not** harbor any other genetic predisposition to disease.

### Association between mutations in the CARD15/NOD2 gene ...

[www.ncbi.nlm.nih.gov/pubmed/15578724](http://www.ncbi.nlm.nih.gov/pubmed/15578724) ▾ [翻译此页](#)

作者: I Papaconstantinou - 2005 - 被引用次数: 49 - [相关文章](#)

Association between **mutations** in the CARD15/NOD2 gene and **colorectal cancer** ... longstanding IBD are at increased risk for development of **colorectal cancer** (CRC). ... In this report, **we** have examined the frequency of the 3 major **mutations** ...

[全部](#) [图片](#) [新闻](#) [视频](#) [更多 ▾](#) [搜索工具](#)

找到约 17,200 条结果 (用时 0.64 秒)

### The NOD2 3020insC mutation and the risk of colorectal ...

[www.ncbi.nlm.nih.gov/pubmed/14996717](http://www.ncbi.nlm.nih.gov/pubmed/14996717) ▾ [翻译此页](#)

作者: G Kurzawski - 2004 - 被引用次数: 79 - [相关文章](#)

The **NOD2 3020insC mutation** and the risk of **colorectal cancer**. ... In this report, **we** have examined the frequency of the 3020insC **mutation** in a series of 856 ... onset in persons who **do** not harbor any other genetic predisposition to disease.

### NOD2-mediated dysbiosis predisposes mice to ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) > ... > [PubMed Central \(PMC\)](#) ▾ [翻译此页](#)

作者: A Couturier-Maillard - 2013 - 被引用次数: 160 - [相关文章](#)

2013年1月2日 - Here, **we** show that dysbiosis caused by **Nod2** deficiency gives rise to a ... were separated from the **mutants** (referred to as the SCH-WT**Nod2**-/- and ... **Nod2**- or RIP2-deficient mice **did** not result in spontaneous colitis. ... **NOD2**-driven risk for colitis-associated **colorectal cancer** is communicable to WT host.

### Get PDF (69K)

[onlinelibrary.wiley.com/doi/10.1002/ijc.20747/pdf](http://onlinelibrary.wiley.com/doi/10.1002/ijc.20747/pdf) ▾ [翻译此页](#)

作者: I Papaconstantinou - 2005 - 被引用次数: 49 - [相关文章](#)

2004年12月1日 - increased risk for development of **colorectal cancer** (CRC). Therefore, genetic ... with IBD. In this report, **we** have examined the frequency of the ... disease onset in persons who **do** not harbor any other genetic predisposition to ... 3020insC **mutations** of CARD15/ **NOD2** gene in a group of spo- radic CRC ...

### Association between mutations in the CARD15/NOD2 gene ...

[onlinelibrary.wiley.com](http://onlinelibrary.wiley.com) > ... > [Vol 114 Issue 3](#) > [Abstract](#) ▾ [翻译此页](#)

作者: I Papaconstantinou - 2005 - 被引用次数: 49 - [相关文章](#)