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### Basic Study

**Microbiota modification by probiotic supplementation reduces colitis associated colon cancer in mice**

Mendes MC *et al.* Probiotic reduces CAC in mice

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### Abstract

#### AIM

To investigate the effect of probiotic supplementation during the development of an experimental model of colitis associated colon cancer (CAC).

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... of colitis-associated colorectal cancer by probiotic ... - Bassaganya-Riera - 被引用次数: 70

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... role of gut microbiota in the pathogenesis of colorectal ... - Zhu - 被引用次数: 110

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[bmjopengastro.bmj.com/content/4/1/e000145](http://bmjopengastro.bmj.com/content/4/1/e000145) - 翻译此页

作者: AA Hibberd - 2017 - 相关文章

The colon cancer-associated microbial signature was modified by probiotic intervention and was characterised by the enrichment of butyrate-producing bacteria in ... and was shown to alleviate colitis in mouse models. 15 In this pilot study, we obtained intestinal tissue and faecal samples from patients with colon cancer that ...

## Intestinal microbiota is altered in patients with colon cancer and ...

[https://www.researchgate.net/.../318497546\\_Intestinal\\_microbiota\\_is\\_altered\\_in\\_patients...](https://www.researchgate.net/.../318497546_Intestinal_microbiota_is_altered_in_patients...)

2017年12月19日 - Intestinal microbiota is altered in patients with colon cancer and modified by probiotic intervention ... CRC-associated genera such as Fusobacterium and Peptostreptococcus tended to be reduced in the faecal microbiota of patients that received .... and was shown to alleviate colitis in mouse models. 15. In.

## Ginsenosides Rb3 and Rd reduce polyps formation while ... - Nature

<https://www.nature.com/articles/s41598-017-12644-5.pdf?origin=ppub> - 翻译此页

作者: G Huang - 2017 - 被引用次数: 1 - 相关文章

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## Probiotics modify human intestinal mucosa-associated microbiota in ...





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作者: AA Hibberd - 2017 - 被引用次数: 2 - 相关文章

2017年7月3日 - Specific **probiotic** bacteria have been shown to modulate inflammation and **reduce** tumour proliferation in animal models of carcinogenesis and may offer ... The **colon cancer-associated microbiota** exhibits a distinct signature characterised by increased mucosal microbial diversity and differential ...

### Microbiota impact on the epigenetic regulation of colorectal cancer

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3851951/> - 翻译此页

作者: T Yang - 2013 - 被引用次数: 46 - 相关文章

2013年9月16日 - Recently, data have established a link between alterations in the commensal bacteria of the gut, termed the "**microbiota**", and the pathogenesis of inflammatory **bowel** disease (IBD) and **colitis-associated colorectal** carcinoma (CAC) [8]. This is not surprising, as the gut **microbiota** is a pivotal component of ...

### Probiotics modify human intestinal mucosa-associated microbiota in ...

<https://www.spandidos-publications.com/10.3892/mmr.2015.4124> - 翻译此页

作者: Z Gao - 2015 - 被引用次数: 17 - 相关文章

2015年7月27日 - **Probiotics** modify human intestinal mucosa-associated **microbiota** in patients with **colorectal cancer**. Authors: ... Pyrosequencing demonstrated that **probiotics** significantly **reduced** (5-fold) the abundance of a bacterial taxon assigned to the genus *Fusobacterium*, which had been previously suggested to be a ...

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[www.jimmunol.org/content/198/1\\_Supplement/66.18](http://www.jimmunol.org/content/198/1_Supplement/66.18) - 翻译此页

作者: JE Bader - 2017

2017年5月1日 - We used a macrophage depletion technique to examine the role of macrophages on colon tumorigenesis and gut **microbiota**. To induce **colorectal cancer**, male C57BL/6 **mice** (n=32) received a single injection of AOM followed by three cycles of DSS **supplemented** water at concentrations of 2%, 1%, 1% at ...

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