

Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 40816

Manuscript Type: EDITORIAL

Interleukin 12/interleukin 23 pathway: Biological basis and therapeutic effect in patients with Crohn's disease

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Abstract

Considering that both innate and adaptive immune responses are involved in the pathogenesis of Crohn's disease (CD), novel therapeutic options have significantly been developed. Biological agents represent an important addition to the conventional treatments for immuno-inflammatory conditions, acting as antagonists of adhesion molecules or various inflammatory

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<https://gut.bmj.com/content/early/2018/05/30/gutjnl-2017-315671> - [翻译此页](#)

作者: H Schmitt - 2018 - [相关文章](#)

Intestinal TNFR2+IL23R+ T cells were activated by IL-23 derived from CD14+ ... **Patients with Crohn's disease** responding to anti-TNF **therapy** display a significantly ... The exact mechanism of **action** of anti-TNF antibodies in CD is still a matter of ... in disease pathobiology, independent of the TNF signalling **pathway**, and the ...

### Biological therapy targeting the IL-23/IL-17 axis in inflammatory bowel ...

<https://www.tandfonline.com/doi/full/10.1080/14712598.2017.1258399?> - [翻译此页](#)

2016年11月18日 - Second, they describe all different molecules targeting this **pathway**. ... Based on the evidence that the pro-inflammatory cytokine IL-12 ... The **interleukin 23/17-axis** in **inflammatory bowel disease**, targeted by different molecules. .... to larger treatment **effects**, especially in infliximab-experienced **patients** [39 ...

### IL-23 Blockade for Crohn s disease: next generation of anti-cytokine ...

<https://www.tandfonline.com/doi/abs/10.1080/1744666X.2017.1279055> - [翻译此页](#)

作者: F Furfaro - 2017 - [被引用次数: 8](#) - [相关文章](#)

IL-23 Blockade for Crohn s disease: next generation of anti-cytokine **therapy** ... Primary or secondary loss of response to anti-TNF therapies in **Crohn's disease patients** ... with alternative mechanisms of **action**, is thus a key point to consider for the ... Drugs blocking the IL-12/23 **pathway** showed a good efficacy and safety ...

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### Role of the IL-23/IL-17 Axis in Crohn's Disease - Spyros I Siakavellas ...

[www.discoverymedicine.com/.../role-of-the-il-23-il-17-axis-in-crohns-diseas...](http://www.discoverymedicine.com/.../role-of-the-il-23-il-17-axis-in-crohns-diseas...) - [翻译此页](#)

作者: SI Siakavellas - 2012 - [被引用次数: 78](#) - [相关文章](#)





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PJ Mannon, IJ Fuss, L Mayer, CO Elson... - ... England Journal of ..., 2004 - Mass Medical Soc  
... 12 that we used recognizes the interleukin-12 p40 chain, interleukin-23 — another Th1 ... The  
interleukin-12/interleukin-12 receptor system: role in normal and pathologic immune responses ...  
in two models of experimental colitis depends predominantly on the interleukin-12/signal ...

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[A human interleukin-12/23 monoclonal antibody for the treatment of psoriasis](#)[\[PDF\] researchgate.net](#)

GG Krueger, RG Langley, C Leonardi... - ... England Journal of ..., 2007 - Mass Medical Soc  
... cancer); had received previous treatment with any agent specifically targeting interleukin-12 or  
interleukin-23; had received biologic or investigational ... 20, all patients in the placebo group were  
expected to receive a single 90-mg dose of interleukin-12/23 monoclonal antibody ...

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[Biological therapies for inflammatory bowel diseases](#)[\[HTML\] cghjournal.org](#)

P Rutgeerts, S Vermeire, G Van Assche - Gastroenterology, 2009 - Elsevier  
... IFN Interferon. IL Interleukin. PML progressive multifocal leukoencephalopathy. PRECISE  
Pegylated Antibody Fragment ... that induces cell proliferation and differentiation; its signaling  
pathways regulate gene ... At week 56, 23% of patients receiving weekly adalimumab and 29 ...

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## INTERLEUKIN 23 IN CROHN'S DISEASE - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3966024/> ▼ 翻译此页

作者: A Eken - 2014 - 被引用次数: 20 - 相关文章

Interleukin 23 is a heterodimeric cytokine composed of a p40 subunit shared by IL-12 ... (30) These inductive pathways of IL-23R expression may apply to other .... and the test group patients experienced exacerbation, adverse effects and high ..... Novel p19 protein engages IL-12p40 to form a cytokine, IL-23, with biological ...

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## Interleukin-23: as a drug target for autoimmune inflammatory diseases

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3277713/> ▼ 翻译此页

作者: C Tang - 2012 - 被引用次数: 140 - 相关文章

Interleukin-23 (IL-23) is a member of the IL-12 family of cytokines with ... briakinumab, inflammatory bowel disease, interleukin-23, psoriasis, rheumatoid arthritis, ustekinumab ..... The 1 mg/kg dose did not exert a significant therapeutic effect. .... Novel p19 protein engages IL-12p40 to form a cytokine, IL-23, with biological ...

## Interleukin-23 as a therapeutic target for inflammatory myopathy - Nature

<https://www.nature.com/scientificreports/articles> - 翻译此页

作者: N Umezawa - 2018 - 相关文章

2018年4月3日 - This study was performed to elucidate the role of interleukin (IL)-23, as their possible ... Patients under these agents often suffer from their adverse effects and ..... cytokine, IL-23, with biological activities similar as well as distinct from IL-12. ... Cytokine Pathways in Patients With Inflammatory Bowel Diseases.