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Mar 30, 2019 - BACKGROUND: The molecular aetiology of inflammatory bowel disease [IBD] and its two subtypes, ulcerative colitis [UC] and Crohn's disease [CD], have been carefully investigated at genome and transcriptome levels. Recent advances in high-throughput proteome quantification has enabled comprehensive large-scale plasma proteomics studies of IBD.

### Quantitative Proteomic Analysis Reveals the Deregulation ...

<https://www.hindawi.com/journals/bmri/2019/3950628>

Inflammatory bowel disease (IBD) is categorized into Crohn's disease (CD) and ulcerative colitis (UC), which are characterized by relapsing chronic colitis in the gastrointestinal tract. An estimated 2.5 million people are affected by IBD in Europe .

Author: LongGui Ning, Guodong Shan, Zeyu S... Publish Year: 2019

### [PDF] Review Proteomics and Lipidomics in Inflammatory ...

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E.I.; Wen, M.; Mack, D.R. Proteomic analysis of ascending colon biopsies from a paediatric inflammatory bowel disease inception cohort identifies protein biomarkers that differentiate crohn's disease ...

### (PDF) Quantitative Proteomic Analysis Reveals the ...

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**Name of Journal:** *World Journal of Gastroenterology*

**Manuscript NO:** 52713

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### Proteomic insights on the metabolism in inflammatory bowel disease

Pisani LF *et al.* Proteomics in inflammatory bowel disease

Laura Francesca Pisani, Manuela Moriggi, Cecilia Gelfi, Maurizio Vecchi, Luca Pastorelli

#### Abstract

Inflammatory bowel diseases (IBD) are chronic and relapsing inflammatory conditions of the gut that include Crohn's disease and ulcerative colitis. The pathogenesis of IBD is not completely unraveled, IBD are multi-factorial diseases with reported alterations in the gut microbiota, activation of different immune cell types, changes in the vascular endothelium, and alterations in the tight junctions' structure of the colonic epithelial cells. Proteomics represents a useful tool to enhance our biological understanding and to discover biomarkers in blood and intestinal specimens. It is expected to provide reproducible and quantitative data that can support clinical assessments and help clinicians in the diagnosis and treatment of IBD. Sometimes a differential diagnosis of Crohn's disease and ulcerative colitis and the prediction of treatment response can be deduced by finding meaningful biomarkers. Although some non-invasive biomarkers have been described, none can be considered as the "gold standard" for IBD diagnosis, disease activity and therapy outcome. For these

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**Publish Year:** 2014

## Quantitative Proteomic Analysis Reveals the Deregulation ...

<https://www.ncbi.nlm.nih.gov/pubmed/31179321>

Apr 23, 2019 · Quantitative **Proteomic Analysis** Reveals the Deregulation of Nicotinamide Adenine Dinucleotide Metabolism and CD38 in **Inflammatory Bowel Disease**. Ning L(1), Shan G(1), Sun Z(2), Zhang F(1), Xu C(1), Lou X(1), Li S(1), Du H(1), Chen H(1), Xu G(1).

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