

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 28653

**Title:** Dysregulation of innate immunity in ulcerative colitis patients who fail anti-TNF therapy

**Reviewer's code:** 00068574

**Reviewer's country:** France

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2016-07-12 19:42

**Date reviewed:** 2016-07-21 16:25

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

The objective of the paper is to identify alterations of immune functions susceptible to predict the lack of response to anti-TNF therapy in IBD patients. Major points In the first part of the paper the title: effects of anti TNF therapy, inflammation, medication and disease type on innate immunity does not correspond to the results. Why did the authors divide the patients into responders and non responders?; it is confusing compared to the second part of the study. In addition, the number of non responders is too small to be able to draw conclusions . For example, in table1b, the conclusion that ESR and CRP are not significantly different between responders and non responders is not reliable. Moreover, analyzing the effect of anti-TNF therapy may be influenced by several confounding variables in particular in a small and heterogeneous sample of patients who showed different outcomes at the time of the second blood draw. The second part of the study is correctly conducted and I suggest to remove the first part from the manuscript. Minor point -Please indicate the year in ref 9

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**Title:** Dysregulation of innate immunity in ulcerative colitis patients who fail anti-TNF therapy

**Reviewer's code:** 00227403

**Reviewer's country:** Italy

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2016-07-12 19:42

**Date reviewed:** 2016-07-22 17:51

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

In the section abstract, please specify the acronyms TNF, IBD and ELISA. In the section introduction the first sentence should be deleted. In the section introduction, please clarify better "All TLRs signal through MyD88-dependent pathway except TLR3 while TLR4 can signal through both but requires CD14 (Figure 1)." The authors should write a simple and direct aim "Aim of our study was.....". The remnant part should be deleted or reported before or after. In the text, please clarify the acronym, CD. In the section "Basal and stimulated PBMC cytokine production pre- and post-anti-TNF therapy" the authors should report, the differences (or the lack of differences) on the basis of IBD type (CD and UC). I suggest to delete table 1c Page 18, sentence "When compared to preanti-TNF therapy, medication use, ESR, CRP and partial Mayo scores was similar between responders and non-responders (Table 2a)." Was? Is it "were"? Page 18, please could the authors clarified the sentence "Colectomy status at time of blood draw had no significant effect on response to anti-TNF therapy or the levels of basal or stimulated cytokine production (data not shown)." The authors should report as limitations of their study the small sample size with the mixed population