

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Immunology

**ESPS manuscript NO:** 21054

**Title:** New insights on Chitinases immunologic activities

**Reviewer's code:** 00503062

**Reviewer's country:** Japan

**Science editor:** Xue-Mei Gong

**Date sent for review:** 2015-07-05 12:05

**Date reviewed:** 2015-08-18 12:04

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 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"/> 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 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 type="checkbox"/> No	

## COMMENTS TO AUTHORS

This manuscript reviewed chitinases immunologic activities. The review comprehensively reviewed the functions and roles of CHIT-1, CHI3L1 and CHI3L2 in inflammation and various diseases. Basically, the manuscript is well written and the references are new and informative. But, the functions of these proteins are so broad and it is hard to follow the review. It is better to set more sections in this review to organize the text. And many careless mistakes are found through manuscript. Authors should check the text carefully again before the submission. I give some suggestions below. "Chitinases" is not necessary to be capitalized through manuscript. Some references are duplicated. Check references carefully. For example, reference #7 and #68 are the same. Words in title of #7 are not necessary to be capitalized (page 12, lines 18, 19) Reference #8 and #40 are the same. Title of #8 (your paper!) is not correct. Page 2, line 7. Spell out "CLPs". Page 5, line 6. "malaria" should be "malaria parasite". Page 5, line 8. Spell out "NAFLD". Page 6, line 23. Remove a comma after "AMCase". Page 7, line 3. "an haplotype" reads "a haplotype". Page 7, lines 1-3 from bottom. Show a reference for the statement. Page 8, line 4. "is capable to induce" should be "is capable of inducing". Page 8, lines 8, 9. The positions of [59] and [60] are strange. Check them. Page



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8, line 11. "INF" reads "IFN". Page 8, line 12. Add "diseases" after "infectious". Page 8, line 16. Add a period after "atherosclerosis". Page 8, line 20. Spell out "HMMs". Page 9, lines 3, 5. "CHIT3L1" reads "CHI3L1". Page 9, line 4. "*Escherichia coli*" should be italicized. Page 10, line 1. Spell out "IBL". Page 10, lines 2, 3. "IBL" is enough here. Page 10, line 4. Show a reference for the statement.

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Immunology

**ESPS manuscript NO:** 21054

**Title:** New insights on Chitinases immunologic activities

**Reviewer's code:** 00502947

**Reviewer's country:** Australia

**Science editor:** Xue-Mei Gong

**Date sent for review:** 2015-07-05 12:05

**Date reviewed:** 2015-08-25 15:59

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 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 checked="" 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

This review focuses on new insights on chitinases in immune regulation. However there is very little direct evidence for a role being discussed and I think that the authors need to be careful in over emphasising views without providing evidence. There are a couple of major issues which authors' attention is required. I looked at the last 2 references and the content of those papers do not appear to say what author's say in the text. This raises the issue as to how accurate the authors have been in their references and needs to be addressed. The English expression is poor and in some cases I cannot understand what the authors' mean. I have attempted to list some of these below but there are many more. Please take care and spend more time and indeed get assistance with the English expression including sentence structure. Page 4 Line 6: Correct: that course with increased' change to 'that are caused by increased' Line 17: change 'which to act as immunological' to 'which acts as adjuvants'. Line 18: Change 'evidence indicate that' to 'evidence indicates that' Page 5 Line 3: Change to 'Saharan regions suggests that Line 7: Change to ' Other studies have been' Line 10: Delete 'is' Line 15: The word is 'context' Line 16 Word should be 'role' Line 18: Change 'detection' to 'expression' Line 18-19: 'infection-induced ' Line 19-23: Argument difficult to follow: Is IL-4 good or bad for

atherosclerosis? Page 6 Line 5. I am not sure what you mean by prerogative in the context of this sentence? Line 13 : Change to contains Line 21: Change to demonstrated Line 21: change to 'role' Line 22: restructure sentence Line 26: 'precociously, and weakly'. Provide evidence to support this. Line 30: Difficult to know what this sentence means. Page 7 Line 5: data is plural. Should be either 'The data' or 'These data'. Line 9: delete 'to' induce changes Line 15: explain that analog allosamidin is an inhibitor of chitinase. Line 15: change 'improved' to 'enhanced' Line 28: AMCase prevents Page 8 Line 2: add the 'in the absence' Line 4: change to capable of inducing. Line 30: Change to 'clearance' Page 10 Line 1: define IBL here and not in next paragraph. Line 6: what does '..' prevented by the pre-storage leukocyte depletion by filtration of whole blood' mean? Line 11: suddenly another name appears for CHI3L1 ie YKL40 Page 11 Line 2-4: Appears to be incorrect reference. Ref 95 talks about gene signatures in EC and macrophages in lymph node sinuses. Also ref 96. Line 11: 'conditions in which they' Lines 16, 17: Not sure if this can be substantiated as most of the discussion is correlative with expression or release from neutrophils or macrophages - not direct proof that these enzymes are causative.