



**ESPS PEER-REVIEW REPORT**

**Name of journal:** World Journal of Cardiology

**ESPS manuscript NO:** 25317

**Title:** Tenascin C upregulates IL-6 expression in human cardiac myofibroblasts via toll-like receptor 4

**Reviewer’s code:** 00503405

**Reviewer’s country:** Hungary

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2016-03-04 15:46

**Date reviewed:** 2016-03-05 23:18

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input checked="" type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" 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 checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		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 original article of Maqbool et al. the authors found that tenascin in vitro increased both IL-6 and MMP3 gene expressions in cultured human cardiac myofibroblasts. IL-6 protein expression was also elevated. They also found that incubation of cells with TLR4 neutralising antisera attenuated the effect of tenascin on IL-6 mRNA and protein expression. They demonstrated that tenascin upregulates MMP3 and the pro-inflammatory cytokine IL-6 in human cardiac myofibroblasts, moreover, the latter effect of tenascin was found to be mediated via TLR4 and FBG domain of tenascin. Their results are of clinical importance as targeting the FBG domain of tenascin may provide a future therapeutic strategies to counteract aberrant inflammation and maladaptive cardiac remodelling after infarction. This is an excellent study, which is well designed and well presented. Accept as it is. Congratulation.



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**Name of journal:** World Journal of Cardiology

**ESPS manuscript NO:** 25317

**Title:** Tenascin C upregulates IL-6 expression in human cardiac myofibroblasts via toll-like receptor 4

**Reviewer’s code:** 00291404

**Reviewer’s country:** United States

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2016-03-04 15:46

**Date reviewed:** 2016-03-09 03:24

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**

The authors have investigated if and how tenascin C (TNC) upregulate IL-6 expression in human myofibroblasts. The main finding is that TNC upregulate IL-6 expression in human CMF and that this effect is mediated through its FBD domain ad the TLR4 receptor. The experiments were well designed and performed, and supported the conclusions. The manuscript is well written. It should be accepted upon minor revision. Minor points: 1. Legend to figure 1. Lines 4-5. The phrase “(solid arrows)” in front of “TLR4 staining” should be relocated afterwards. 2. Page 10 and Figure 2. In the Results (page 10), the authors stated that only IL-6 was enhanced while neither IL-1beta nor any other MMP showed significant changes. However, upon inspection of the data presented on Figure 2, it seems that both Il-1beta and MMP10 were enhanced quite significantly. If this is the case, please change the statements in the Results (on page 10). If not, leave it as it is.



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**Name of journal:** World Journal of Cardiology

**ESPS manuscript NO:** 25317

**Title:** Tenascin C upregulates IL-6 expression in human cardiac myofibroblasts via toll-like receptor 4

**Reviewer's code:** 00607640

**Reviewer's country:** Taiwan

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2016-03-04 15:46

**Date reviewed:** 2016-03-12 19:11

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" 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 type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
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		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

### COMMENTS TO AUTHORS

This manuscript reports the effects of tenascin-C on the expression of the pro-inflammatory cytokines in human cardiac myofibroblasts. The findings are of interest and suitable for the publication by the journal.