

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 31577

**Title:** Bifidobacterium infantis CGMCC313-2 is Protective against Ovalbumin-induced Airway Asthma and  $\beta$ -lactoglobulin-induced Intestinal Food Allergy

**Reviewer's code:** 00503255

**Reviewer's country:** Japan

**Science editor:** Yuan Qi

**Date sent for review:** 2016-11-28 09:54

**Date reviewed:** 2016-11-28 14:50

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 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 authors experimentally studied the impact of Bifidobacterium infantis for ovalbumin induced asthma and beta lactoglobulin induced food allergy mouse models and concluded that B. infantis can inhibit the secretion of allergen induced IgE, IL-4 and IL-13, and attenuate allergic inflammation. The paper is well-written and interesting experimental study.

1. In histological analysis of lung and intestine, did the authors analyze the grade of eosinophil infiltration? Did the authors count eosinophil in BALFs?

2. The serum levels of OVA-IgG1 in the pre-treatment group was significantly decreased compared with prevention group, while the serum levels of OVA-IgE in the prevention group was significantly decreased compared with pre-treatment group. Is there any reason regarding this results?

3. The style of references the authors used is different from that of this journal. Please read the author guideline of this journal again and revised references. : Journal title should be written in its abbreviation form. : Please provide PMID and DOI

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**ESPS manuscript NO:** 31577

**Title:** Bifidobacterium infantis CGMCC313-2 is Protective against Ovalbumin-induced Airway Asthma and  $\beta$ -lactoglobulin-induced Intestinal Food Allergy

**Reviewer's code:** 00646241

**Reviewer's country:** Germany

**Science editor:** Yuan Qi

**Date sent for review:** 2016-11-28 09:54

**Date reviewed:** 2016-12-02 08:38

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input checked="" 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 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 their work, "Bifidobacterium infantis CGMCC313-2 is Protective against Ovalbumin-induced Airway Asthma and  $\beta$ -lactoglobulin-induced Intestinal Food Allergy", the authors Mengyun Liu et al. present a nice and informative study on the effects of bifidobacterium in a mouse model of allergy, both regarding airways and intestine. They observe a protective effect of the treatment. The animal experiments are performed in a clear and convincing way, including analysis of cytokines etc. Of course, since it is an adult mouse model, it remains open to which degree this observation is relevant for human asthma or food allergy. Some minor points may be considered: - in the title, it is not mentioned that the experiments were done in an adult mouse model - the type of allergy models used should be explained a bit more in the introduction - the possible mechanisms of the observed effects should be discussed

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**ESPS manuscript NO:** 31577

**Title:** Bifidobacterium infantis CGMCC313-2 is Protective against Ovalbumin-induced Airway Asthma and  $\beta$ -lactoglobulin-induced Intestinal Food Allergy

**Reviewer's code:** 02840182

**Reviewer's country:** Turkey

**Science editor:** Yuan Qi

**Date sent for review:** 2016-11-28 09:54

**Date reviewed:** 2016-12-19 18:39

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

The authors investigated the influence of *B. infantis* for ovalbumin induced asthma and beta lactoglobulin induced food allergy in mouse models. They found positive effects for specified diseases. The manuscript is well written and interesting study. The title would be better "Bifidobacterium infantis CGMCC313-2's protective effects ... This study will make a significant contribution to the probiotic area.