

## ESPS Peer-review Report

**Name of Journal:** World Journal of Gastrointestinal Pathophysiology

**ESPS Manuscript NO:** 4276

**Title:** The intestinal barrier: molecular pathways and modifiers.

**Reviewer code:** 02444978

**Science editor:** Song, Xiu-Xia

**Date sent for review:** 2013-06-25 14:33

**Date reviewed:** 2013-07-05 23:02

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	BPG Search:	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

To the Authors In this review the Authors summarize the principal molecular signalling pathways regulating intestinal homeostasis. The concept of intestinal homeostasis is defined as the continuous replenishment of intestinal epithelium for the maintenance of its integrity, from which depends also its defensive function. The exposure and the level of deepening appear appropriate for this minireview. The introduction synthesizes clearly the topic, but the conclusions are excessively simplified and do not permit to completely appreciate the significance of the arguments. Moreover, the abstract gives rise to an expectation on “the pathogenesis of intestinal-based immune-mediated diseases”, but this is not treated in the conclusion: there is only a very rapid mention at the therapy of inflammatory bowel disease, but not at the pathogenesis. I suggest to eliminate the above ambiguity. In my opinion, a short discussion about the disruption of the intestinal barrier and its clinical implications in the pathogenesis of disease like IBD, food allergy, celiac disease, etc., could be very interesting. While the topic are molecular pathways, a simply mention at the above clinical implications could be enough. Minor revision: - Conclusions: where “recent studies” are cited, the corresponding bibliographic references should be indicated. - It should be appreciable a brief explanation of the figure. - There are some mistakes in the English language.

## ESPS Peer-review Report

**Name of Journal:** World Journal of Gastrointestinal Pathophysiology

**ESPS Manuscript NO:** 4276

**Title:** The intestinal barrier: molecular pathways and modifiers.

**Reviewer code:** 00504457

**Science editor:** Song, Xiu-Xia

**Date sent for review:** 2013-06-25 14:33

**Date reviewed:** 2013-07-06 08:55

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of	<input type="checkbox"/> No records	
<input type="checkbox"/> Grade D (Fair)	language polishing	BPG Search:	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

## COMMENTS TO AUTHORS

This paper reveals a summary of several signaling pathways for intestinal homeostasis. 1. Title will be modified without "The" 2. I guess that authors are interested in pathogenesis of intestinal-base immune-mediated disease, but can you describe the link between your interest and this review paper in INTRODUCTION?"