

ANSWERING REVIEWERS



July 04, 2014

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: manuscript 11448 R1.doc).

Title: beta7 integrin controls enterocyte migration in the small intestine

Authors: Elke Kaemmerer, Paula Kuhn, Ursula Schneider, Thomas Clahsen, Min Kyung Jeon, Christina Klaus, Julia Andruszkow, Michael Härer, Sabine Ernst, Angela Schippers, Norbert Wagner, and Nikolaus Gassler

Name of Journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 11448

The manuscript has been improved according to the suggestions of reviewers:

1 Format has been updated

2 Revision has been made according to the suggestions of the reviewer

(1) Reviewer: In the results section figure 1 quantitation is not provided and therefore, it is difficult to visualize changes in the number of IELs when compared to the control. A differential staining of IELs will aid in better visualization of the changes.

Answer: Following your recommendation an additional staining was performed highlighting the intraepithelial lymphocytes. The stainings were used for further data analysis revealing identical results. In the revised version of the manuscript Figure 1 and paragraphs of the sections Materials and Methods as well as Results were changed.

(2) Reviewer: Please label the structures in the figure 1 appropriately for better understanding of the general readers.

Answer: In Figure 1, the important structures are labelled for better understanding.

(3) Reviewer: Since there is progressive increase in the enterocyte migration it should be displayed by a line graph rather than a box plot.

Answer: We used a box plot because three different incubation times are under observation. In the first two conditions (4 hours and 20 hours) the difference in migration between the groups was not significant. A line graph could suggest a stronger correlation as it is really given. Therefore we would prefer a box plot.

(4) Reviewer: You may re-write this paper as a short communication and re-submit.

Answer: Following your recommendation we have shortened the manuscript. The column "Research

Report'' is suggested for the manuscript by the Editor.

3 References and typesetting were corrected

4 Please note, the statistical part was improved by Sabine Ernst following reviewer's suggestions. Sabine Ernst is now a co-author of the manuscript. The change is approved by all other co-authors.

Thank you again for publishing our manuscript in the *World Journal of Gastroenterology*.

Sincerely yours,

Prof. Dr. Nikolaus Gassler (M.A.)

Institute of Pathology, RWTH Aachen University,

Pauwelsstraße 30, 52074 Aachen, Germany

ngassler@ukaachen.de