

ANSWERING REVIEWERS



Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 2429-review.doc).

Title: Structural and functional aspects of the *Helicobacter pylori* secretome

Author: Giuseppe Zanotti, Laura Cendron

Name of Journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 5958

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

COMMENTS

Peer review-1

This is one of the most complete and comprehensive reviews I have ever read about the protein compounds of *Helicobacter pylori*. The text is clear, the reference list is exhausting. The language and wording is adequate to achieve WJG standards. I suggest two topics that could be included or commented:

- a) are there differences in protein profile of different *H. pylori* strains/genotypes (for instance Asian vs European or American type)?
- b) which protein components should be therapeutic targets in the future or vaccine preparation?

Peer review-2

This manuscript provides functional and structural data on over 160 proteins secreted by Hp., which are of significance to the pathogenic potential of the bacterium. Curiously enough, there is no information provided on Hp. lipase, protease and glycosulfatase enzymes which have been demonstrated to undermine the gastric mucosal integrity. See *Arzneimittel-Forschung* vol. 47, 1997, p. 475-482, and so on.

Hence, it is mandatory to include these proteins in your review before any further consideration.

ANSWER

Peer review-1

- a) Differences between strains are present, as stated in the introduction, but an analysis of such differences is outside the scope of this review. In any case, it is

difficult to fully understand their physiological meaning until a function has been identified for all the proteins coded by *H. pylori*.

- b) In some cases comments have been added about possible use of a protein for a vaccine.

Peer review-2

Some considerations on lipase and phospholipase enzymes have been included in the final part of the section "Other enzymes". The chapter on proeases has also been updated. The paper in Arzneimittel-Forschung has been cited.

3 References and typesetting were corrected

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