

ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 6882

Title: Bacteriophages and their applications in the diagnosis and treatment of hepatitis B virus infection

Reviewer code: 00504450

Science editor: Cui, Xue-Mei

Date sent for review: 2013-10-31 17:38

Date reviewed: 2013-11-18 04:22

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	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

Comments to Authors: The article "Bacteriophages and their applications in the diagnosis and treatment of hepatitis B virus infection" by Authors: Babak Bakhshinejad, Majid Sadeghizadeh is very interesting, such kind of review is very actual. Currently the using bacteriophages as a tool for medical purposes is very promising. Comments and suggestions: 1. Some English words need corrections, especially that ones, which are not appropriate in scientific text as e.g. ...expanding horizon ...avenue...genetic endowment....fueled developments....and others. 2. I did not find explanation of some abbreviations (HBeAg, RGD....) in the text of the manuscript, maybe list of abbreviation could be included 3. There is a mistake in the text on the page 4: 1st paragraph: a foreign DNA fragment is inserted into one of phage coat proteins – DNA cannot be inserted into protein 2nd paragraph: in the sentence.....it could be argued that pVIII is suitable for display of smaller numbers of larger proteins and pVIII is appropriate 4. I suggest rewriting the chapter Phage display – there too many repeats in the text with the same meaning, especially in the last part of the chapter.

ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 6882

Title: Bacteriophages and their applications in the diagnosis and treatment of hepatitis B virus infection

Reviewer code: 00504169

Science editor: Cui, Xue-Mei

Date sent for review: 2013-10-31 17:38

Date reviewed: 2013-11-30 00:27

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 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 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 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

I found of interest a review on the use of bacteriophages for diagnostic therapeutic and profilactic strategies. However, some issues especially related to the use of bacteriophages for vaccine application need to be addressed in order to make this work more complete. In particular, T cell responses to the hepatitis B virus are thought to be crucial for the control of HBV infection. However, the authors do not repport the published work on the ability of phage vaccine to induce a T cell response with particular emphasis on the ability of phage display vaccine to be cross presented and induce antigen specific cytotoxic T cells. In addition, the topic of phage targeting to dendritic cells should be more thouroughly described and the literature concerning targenting of phages to dendritic cells (i.e. via C-type lectin receptor) should also be accurately reported.