

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Virology

**ESPS manuscript NO:** 15114

**Title:** Key role of HLA in modulating HIV progression: an overview towards the possible applications.

**Reviewer's code:** 00504045

**Reviewer's country:** China

**Science editor:** Yue-Li Tian

**Date sent for review:** 2014-11-10 18:07

**Date reviewed:** 2014-12-16 11:47

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed 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 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 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 type="checkbox"/> No	

## COMMENTS TO AUTHORS

The present review summarizes the role of human leukocyte antigen (HLA) and its receptors in HIV progression towards AIDS by using immunoinformatics tools for HLA epitope prediction. The manuscript is informative and worthy of publication. However, the manuscript has many grammatical mistakes and requires a major language editing. Specific points: Line numbers should be set on all pages for review. Abstract: ...among them human leukocyte antigen (HLA) molecules play a key role... This review summarizes the role of HLA in HIV progression toward AIDS and its receptors... Core Tip: depends on several host factors Throughout the manuscript, CD4 T cells=CD4+ T cells; CD8 T cells=CD8+ cells Page 3, Line 8, ...contribution of human leukocyte antigen (HLA) locus in HIV... Line 15, ...HIV immune response depends on both innate and... Page 5, Line 10, ...defined as slow progressors (SP), Line 12, ...fast progressors (FP)... Lines 13-14, The long-term non-progressors (LTNP) Line 20, ...can be classically divided into two different groups... Lines 29-30, ...delayed HIV progression. However, further studies of other possible interacting protein still need to be addressed Page 6, Lines 5-8, ....TNF- $\alpha$  and Ig enhancer HS1,2 last but not



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least ... although these factors... compared with other host factors Lines 27-28, The  $\beta$ 2-microglobulin is a monomorphous polypeptide chain... Page 8, Line 20, ...depends on the selectivity... Page 11, Lines 21-22, Thus, depending on the HLA class I allelic variant and the antigenic... HLA molecule, we could observe a beneficial... Line 26, Notably, identification of T-cell epitopes The sources of the figures should be mentioned. Figure legends,  $\beta$ 2-microglobulin The Conclusions section should include authors' opinions and prospects on the topics.

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Virology

**ESPS manuscript NO:** 15114

**Title:** Key role of HLA in modulating HIV progression: an overview towards the possible applications.

**Reviewer's code:** 00503977

**Reviewer's country:** Argentina

**Science editor:** Yue-Li Tian

**Date sent for review:** 2014-11-10 18:07

**Date reviewed:** 2014-11-24 19:49

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed 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"/> 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"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

## COMMENTS TO AUTHORS

I only indicate a very few corrections Page 5, line 3 Change "...although this factors are...." by "...although these factors are...." Page 12, line 9 Change "...of immunoinformatic and...." by "...of immunoinformatics and...."

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Virology

**ESPS manuscript NO:** 15114

**Title:** Key role of HLA in modulating HIV progression: an overview towards the possible applications.

**Reviewer's code:** 00504019

**Reviewer's country:** China

**Science editor:** Yue-Li Tian

**Date sent for review:** 2014-11-10 18:07

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed Search:	<input type="checkbox"/> [ Y] Accept
<input type="checkbox"/> [ Y] Grade B: Very good	<input type="checkbox"/> [ Y] 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 type="checkbox"/> [ Y] 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 type="checkbox"/> [ Y] No	

## COMMENTS TO AUTHORS

The manuscript is of in its field, while it contains a few gram arrows, and needs further meticulous read and correct accordingly. For example: 1. In page 3: change "response play" to "responses play" in the sentence "CTL immune response play a central role to the control of viral replication as it has been observed in LTNP patients". 2. In page 4: change "belonging to" to "of the" in the sentence "However, serum belonging to infected patients does not reduce the viral infectivity in vitro". 3. In page 5: change "opportunistic infections" to "opportunistic infections" in the sentence "opportunistic infections occur leading to the acquired immune deficiency syndrome (AIDS) and often are the main cause of death in these patients:.". 4. In page 5: change "let to" to "led to" in the sentence "the pioneer work of Brass let to the identification of all the possible host endogenous proteins related with HIV infection". 5. In page 6: change "are likely playing" to "likely play" in the sentence "although this factors are likely playing a reduced role in delaying HIV progression compared to other host factors". 6. In page 7: change "by all these studies HLA association studies" to "in these studies about HLA association" in the sentence "Beside the important conclusion obtained by all these studies HLA



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association studies". 7. In page 10: change "are playing" to "play" in the sentence "These positions are playing a key role in the interaction with the peptide in pocket F of HLA-B". 8. ....