

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Biological Chemistry

**ESPS manuscript NO:** 20410

**Title:** High mobility group protein 1: A collaborator in nucleosome dynamics and estrogen-responsive gene expression

**Reviewer's code:** 00562494

**Reviewer's country:** South Korea

**Science editor:** Xue-Mei Gong

**Date sent for review:** 2015-06-04 11:30

**Date reviewed:** 2015-06-04 14:32

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google 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"/> Plagiarism	<input type="checkbox"/> [ ] Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> [ Y] 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"/> [ Y] No	

### COMMENTS TO AUTHORS

The author mentioned background of HMGB1 restructure nucleosome and proposed its working model in this review. It is worthwhile to publish in World Journal of Biological Chemistry. There are several typos to be corrected. ex) associated wlh, posttranslational modifications... etc.



## BAISHIDENG PUBLISHING GROUP INC

8226 Regency Drive, Pleasanton, CA 94588, USA

Telephone: +1-925-223-8242

Fax: +1-925-223-8243

E-mail: bpgoffice@wjgnet.com

http://www.wjgnet.com

### ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Biological Chemistry

**ESPS manuscript NO:** 20410

**Title:** High mobility group protein 1: A collaborator in nucleosome dynamics and estrogen-responsive gene expression

**Reviewer's code:** 02618027

**Reviewer's country:** United States

**Science editor:** Xue-Mei Gong

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google 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

This invited mini-review does an overall fantastic job of reviewing the current literature surrounding nucleosome structure and stability to facilitate accessibility of transcription factor binding. The reviewers tout their own work as evidence of how the canonical nucleosome N is restructured by HMGB1 into a new conformations N' and N'' which allow for greater binding affinity of ER. While the mini-review is well-organized and comprehensive, it should be reviewed thoroughly for minor errors, only a few of which have been noted below: 1) "Here in" in paragraph 1 of the Introduction should be one-word, "Herein". 2) "wlh" in paragraph 2 of the Introduction should be "with". 3) Ampersands, such as those used in the Introduction, should not be used in scientific manuscripts. 4) Two lines of text in paragraph 3 of the section entitled, "ENERGY LANDSCAPE MODEL: EFFECT OF HMGB1 ON DYNAMICS OF NUCLEOSOME STRUCTURE" should be black and not gray.