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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Biological Chemistry

ESPS manuscript NO: 17864

Title: Biology of hyaluronan: Insights from genetic disorders of hyaluronan metabolism

Reviewer's code: 00225340

Reviewer's country: Italy

Science editor: Yue-Li Tian

Date sent for review: 2015-03-28 20:56

Date reviewed: 2015-04-07 03:28

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input checked="" type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" 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"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

This is an interesting and well-written review on biochemistry and molecular pathophysiology of hyluronan. I have really admired this manuscript



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Biological Chemistry

ESPS manuscript NO: 17864

Title: Biology of hyaluronan: Insights from genetic disorders of hyaluronan metabolism

Reviewer's code: 01905258

Reviewer's country: Spain

Science editor: Yue-Li Tian

Date sent for review: 2015-03-28 20:56

Date reviewed: 2015-04-12 00:48

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

The Ms. by Triggs-Raine and Natowicz reviews the biochemical mechanisms regulating hyaluronan turnover as well as the phenotype of mutations affecting hyaluronan synthases and hyaluronidases in both mouse and humans. Overall, this is a timely and interesting article that deserves to be published. The inclusion of some figures to illustrate the information present in the text will improve this Ms.



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Biological Chemistry

ESPS manuscript NO: 17864

Title: Biology of hyaluronan: Insights from genetic disorders of hyaluronan metabolism

Reviewer's code: 01404215

Reviewer's country: Spain

Science editor: Yue-Li Tian

Date sent for review: 2015-03-28 20:56

Date reviewed: 2015-04-08 19:43

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

1) The manuscript would be improved by the addition of a list of abbreviations. HAS, HYAL, HARE, CD44, LYVE-1, KIAA1199, EMT, GPI, NHE, SPAM and others might be unknown to non-specialized readers. It would be easy to include a short explanation of these abbreviations. 2) The manuscript would be improved by the addition of three Schemes: Scheme 1 would be the extended formula of the repeating disaccharide units of glucuronic acid and N-acetylglucosamine. Scheme 2 would be the HA depolymeration steps, also showing the enzymes involved. Scheme 3 would be the detailed steps of the HA biosynthetic pathway.