

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 20525

**Title:** Changing face of adhesion in carcinomas: Cell-cell and cell-matrix crosstalk

**Reviewer's code:** 02991769

**Reviewer's country:** China

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2015-06-11 16:18

**Date reviewed:** 2015-07-06 19:23

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"/> 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"/> 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 checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

This manuscript is a review of deregulated cell-cell and cell-matrix crosstalk in cancer. The authors discuss the mechanisms of crosstalk between the adhesion sites in epithelial cells. The majority of the review is focused on the Rho GTPases and tyrosine kinases as mediators of inter-junctional crosstalk and the opportunistic pathogenic infection is set as a paradigm for inter-junctional crosstalk. The authors proposed that targeting specific regulators of cell-cell and cell-matrix adhesion would have far-reaching therapeutic potential in cancer. Overall, the review is well designed and the manuscript is well written. So the reviewer suggests acceptance.

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 20525

**Title:** Changing face of adhesion in carcinomas: Cell-cell and cell-matrix crosstalk

**Reviewer's code:** 00533358

**Reviewer's country:** Spain

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2015-06-11 16:18

**Date reviewed:** 2015-08-06 01:30

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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"/> The same title	<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"/> 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 manuscript is a complete review about cell-cell and cell-matrix crosstalk. Some points may be improved: -please revise the text since there are some typos and some abbreviations not properly specified; - please revise Figure 1: the list of the proteins for the different kind of junctions is not complete and the reasons for selection are not clear; the gap junction is not discussed in text; - please revise the Figure 2, since it is not clear: it should be modified or, otherwise, eliminated; - The part concerning potential therapeutic application should be improved and updated; in particular: the sentence concerning anti-EGF receptors and breast cancer should be corrected (page 21); the literature references concerning clinical trials in breast cancer patients should be modified and updated (page 22, first paragraph); when talking about dasatinib in breast cancer the authors should highlight in the text that they are referring to preclinical data; the reference 124 and 125 refers to gastric and prostate cancer, not to breast cancer; - a table summarizing the drugs currently in clinical development potentially affecting the cell-cell and cell-matrix crosstalk would be helpful.