



## PEER-REVIEW REPORT

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

**Manuscript NO:** 42037

**Title:** The new findings showing how DNA methylation influences diseases

**Reviewer's code:** 00631847

**Reviewer's country:** Taiwan

**Science editor:** Xue-Jiao Wang

**Date sent for review:** 2018-09-06

**Date reviewed:** 2018-09-06

**Review time:** 8 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

It is a very interesting review concerning the methylation of DNA which could occur in different methylation patterns at various stages of cell differentiation from normal to stem cells or various disease status. It is very helpful for the readers and should be published.



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#### INITIAL REVIEW OF THE MANUSCRIPT

##### *Google Search:*

- The same title
- Duplicate publication
- Plagiarism
- No

##### *BPG Search:*

- The same title
- Duplicate publication
- Plagiarism
- No



## PEER-REVIEW REPORT

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

**Manuscript NO:** 42037

**Title:** The new findings showing how DNA methylation influences diseases

**Reviewer's code:** 00291404

**Reviewer's country:** United States

**Science editor:** Xue-Jiao Wang

**Date sent for review:** 2018-09-06

**Date reviewed:** 2018-09-06

**Review time:** 14 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

The authors have tried to summarize the recent findings on how DNA methylation affect disease. The topic is very interesting, yet the content and writing style need some improvements. 1. The abstract is really bad and needs a complete revision, with concise, more accurate statement on what recent studies have found DNA methylation



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affect human diseases. 2. There have been a lot of knowledge on how DNA methylation affect the genesis, progression of cancer, and how epigenetic drugs can be used to treat cancer. This area, in theory, should be an essential part of this Editorial. Yet, due to the fact that the authors are not working in the field and thus not familiar with the development, the discussion on such important area is non-existent. 3. Page 4, without any introduction, the authors started talking about the epimutations. The regular epigenetic modifications in stem cells, during differentiation, and in various differentiated cells are not “epimutations”. Please clarify the point.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

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