

PEER-REVIEW REPORT

Name of journal: World Journal of Biological Chemistry

Manuscript NO: 56749

Title: Epigenetic basis of Alzheimer disease

Reviewer's code: 02760952

Position: Editorial Board

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: Taiwan

Author's Country/Territory: Mexico

Manuscript submission date: 2020-05-13

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-05-14 13:45

Reviewer performed review: 2020-05-27 09:29

Review time: 12 Days and 19 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is a mini review paper dealing with association between epigenetic changes and occurrence of AD and aging. The following points should be taken into account prior to publication of this paper: On page 2, the statement regarding the elimination mechanism of β -amyloid peptide should be re-written to make it more clear. In the section of DNA methylation in AD, 5-mc should be used instead of 5-methylcytosine and 5-hmc instead of 5-hydroxycytosine. In the section of histone acetylation and deacetylation in AD, is sodium butyrate a correct HDAC inhibitor? In the section of non-coding RNAs, is “miRNA-125b-1” or miRNA-125b” correct? How about miRNA-206? Several miRNAs such as miRNA193b, miRNA200b, miRNA00C, miRNA29a, miRNA29c are missing in this section. Is “lncRNA-51a” or “lncRNA-51A” correct? Please also check Figures 2 and 3. All the RNA expressions should be the same. In this paper there are so many biomarkers which can be used as indicators of AD progression. Which biomarker can be more reliable? The authors should comment on this score. The conclusion section can be shortened to make it more concise. Only significant findings can be included.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Biological Chemistry

Manuscript NO: 56749

Title: Epigenetic basis of Alzheimer disease

Reviewer's code: 02760952

Position: Editorial Board

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: Taiwan

Author's Country/Territory: Mexico

Manuscript submission date: 2020-05-13

Reviewer chosen by: Le Zhang

Reviewer accepted review: 2020-08-21 03:24

Reviewer performed review: 2020-08-24 07:38

Review time: 3 Days and 4 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The authors have satisfactorily addressed all the issues raised by the reviewers and



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

therefore I recommend acceptance for this review article for publication in WJBC.