



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 Stem Cells

ESPS manuscript NO: 14969

Title: SIRT1 and Stem Cells: In the Forefront with Cardiovascular Disease, Neurodegeneration, and Cancer

Reviewer code: 00609434

Science editor: Xue-Mei Gong

Date sent for review: 2014-11-02 14:33

Date reviewed: 2014-11-18 23:59

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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 type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> Existing	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

The manuscript from Maiese is an up-to-date review assessing the fundamental contribute of SIRT1 to the homeostasis, survival and differentiation capacities of embryonic and adult stem cells. Furthermore, the review discusses the possibility to target this protein, either positively or negatively, to enhance the efficacy of stem cell therapies towards modern diseases such as cardiovascular and nervous system disorders, type II diabetes and cancer. This review is well written and of high interest in its field because it analyses thoroughly the current literature summarizing the main knowledge in this new frontier of drug therapy.



ESPS PEER REVIEW REPORT

Name of journal: World Journal of Stem Cells

ESPS manuscript NO: 14969

Title: SIRT1 and Stem Cells: In the Forefront with Cardiovascular Disease, Neurodegeneration, and Cancer

Reviewer code: 00573611

Science editor: Xue-Mei Gong

Date sent for review: 2014-11-02 14:33

Date reviewed: 2014-11-21 14:07

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existing	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair		BPG Search:	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Existing	<input checked="" type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

In this manuscript, the authors reviewed the literature on relationship among SIRT1, stem cells, and cardiovascular disease, neurodegeneration, and cancer. The authors concluded that SIRT1 therefore has a critical role and holds exciting prospects for new therapeutic strategies that can offer reparative processes for cardiac, vascular, and nervous system degenerative disorders as well as targeted control of aberrant cell growth during cancer. This is an interesting literature review study. It provides some important messages about development of stem cell strategies for disorders in cardiac, vascular, and nervous system and cancer and the targeting of SIRT1 to drive stem cell viability and function. The reviewer only some minor concerns: Providing the proposed schemes for SIRT1 pathways and/or the relationship among stem cells, SIRT1, apoptosis, and autophagy can help the understanding for readers.



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 Stem Cells

ESPS manuscript NO: 14969

Title: SIRT1 and Stem Cells: In the Forefront with Cardiovascular Disease, Neurodegeneration, and Cancer

Reviewer code: 00699199

Science editor: Xue-Mei Gong

Date sent for review: 2014-11-02 14:33

Date reviewed: 2014-11-06 23:03

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existing	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> Existing	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

This is an interesting and comprehensive review of SIRT1. It should be of interest to those in the SIRT21 field as well as in cancer, cardiac, and neuroscience. Concerns: 1. Abstract: CCN should be defined. 2. Page 4, first paragraph, last sentence is unclear.



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 Stem Cells

ESPS manuscript NO: 14969

Title: SIRT1 and Stem Cells: In the Forefront with Cardiovascular Disease, Neurodegeneration, and Cancer

Reviewer code: 02446080

Science editor: Xue-Mei Gong

Date sent for review: 2014-11-02 14:33

Date reviewed: 2014-11-13 00:54

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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 type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> Existing	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

The article "SIRT1 and Stem Cells: In the Forefront with Cardiovascular Disease, Neurodegeneration, and Cancer" is a comprehensive, up-to-date and relevant review about one interesting and probably key gene product, a transcription factor with high potential in the context of stem cell therapies. This transcription factor offers big hopes to alleviate some of the main order diseases in our contemporary world. The article provides plenty of information while at the same time keeping brevity and objectivity. I only would suggest, if the Journal policies allow for it, including a summarizing diagram of the main SIRT1 pathways, particularly in the context of stem cells. For the rest, I advise the publication of this article as it is, as I consider it represents a valuable contribution to the Journal and scientific community in the stem cell field