

PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 56871

Title: Hunting down the dominating subclone of cancer stem cells as a potential new therapeutic target in multiple myeloma: an artificial intelligence perspective

Reviewer's code: 05380118

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: Turkey

Author's Country/Territory: United States

Manuscript submission date: 2020-05-18

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-05-20 18:23

Reviewer performed review: 2020-05-20 18:33

Review time: 1 Hour

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 Grade E: Do not publish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

SPECIFIC COMMENTS TO AUTHORS

A well-written article on an important topic.

PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 56871

Title: Hunting down the dominating subclone of cancer stem cells as a potential new therapeutic target in multiple myeloma: an artificial intelligence perspective

Reviewer's code: 03551817

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor, Associate Research Scientist

Reviewer's Country/Territory: China

Author's Country/Territory: United States

Manuscript submission date: 2020-05-18

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-05-20 15:32

Reviewer performed review: 2020-05-30 05:45

Review time: 9 Days and 14 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
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



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SPECIFIC COMMENTS TO AUTHORS

In this study, the author introduce the epidemiological diagnosis and prognosis of multiple myeloma (MM) and review current methods for evaluating MM subclone evolution ,such as MRD/MFC/NGS, their advantages and disadvantages are analyzed. In addition, the author propose our new single-cell method of evaluation to understand MM's mechanism of evolution at the cellular level and to prompt the development of new targeted ways of treating this disease, which has a broad prospect .