

Review Form 3

Journal Name:	Asian Journal of Biochemistry, Genetics and Molecular Biology
Manuscript Number:	Ms_AJBGMB_128369
Title of the Manuscript:	Gene Editing in Cancer Immunotherapy: Mechanisms, Advancements, Limitations and Future Directions
Type of the Article	Review Article

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

Important Policies Regarding Peer Review

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

Review Form 3

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript offers valuable insights into the role of gene editing in cancer therapy, highlighting its advancements, limitations, and future directions. It provides an informative foundation and outlines key areas of focus for the scientific community. However, there are concerns should be addressed by the authors before publication.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract is fine	
Is the manuscript scientifically, correct? Please write here.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The authors should incorporate recent findings in gene editing technology to strengthen the review and enhance its relevance to current advancements in the field.	
Is the language/English quality of the article suitable for scholarly communications?	Yes	
<u>Optional/General</u> comments	<ol style="list-style-type: none"> CRISPR/Cas9-based gene regulation, including CRISPRa (activation) and CRISPRko (knockout) screens, represents a powerful tool in cancer research. CRISPR screens are widely utilized to systematically identify key factors involved in cancer progression, providing critical insights into potential therapeutic targets and molecular mechanisms underlying tumor development. In addition to CRISPR/Cas9, TALEN, and zinc finger nuclease technologies, more precise gene editing tools such as base editing and prime editing have recently emerged and are increasingly being utilized. The authors should explore more relevant online resources to gather comprehensive information on these advanced technologies and incorporate them into the manuscript to enhance its depth and relevance before publication. 	

PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Anteneh Getachew Woldemariam
Department, University & Country	University of Alabama at Birmingham, USA