

Peer Review

Review of: "ARID1A-Induced Transcriptional Reprogramming Rewires Signalling Responses to Drug Treatment in Melanoma"

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This manuscript focuses on the ARID1A and its role in drug resistance.

The highlight is its potential as a strategic target for future therapies.

By bridging the gap between existing literature and clinical applications, the work seeks to provide new insights that could lead to improved treatment strategies.

The manuscript will benefit from the following improvements, particularly regarding the clarity and presentation of its figures:

It would be better if the figures could be simplified.

The current figures are quite dense with information, which makes it challenging for readers to quickly grasp the key findings.

To be more specific, in Figure 2c - "Pathway enrichment analysis of the factor 1-associated network finds pathways related to 'Melanoma' and various terms related to MAPK signalling", the associated network is not clearly visible in the figure, and the resolution is too low to allow detailed examination.

It is better to enhance the resolution, which would make it easier for readers to understand the specific relationships and pathways being highlighted.

Besides, a similar issue is observed in Figure 3b.

Although the main text provides some context, the figure itself does not independently convey the intended message.

The visual density of the figure overshadows the key points, making it hard for readers to extract the

essential information.

Overall, the figures attempt to present the entire picture but end up being overwhelming.

It would be more effective to focus on the most critical aspects rather than including all data in one visual.

Highlighting the main findings and using simplified diagrams could significantly improve reader comprehension.

If it is necessary to display the whole picture, maybe employing an alternative approach such as a graphic abstract is a choice.

This could serve as a concise visual summary that captures the main ideas and relationships without overloading the reader with too much detail at once.

The manuscript could be better by refining the figures and focusing on clarity.

Declarations

Potential competing interests: No potential competing interests to declare.