Author’s response to reviews

Title: Smac mimetics LCL161 and GDC-0152 inhibit osteosarcoma growth and metastasis in mice

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Author’s response to reviews:

Dear Dr Chiu,

Thank you for organizing the review of our revised manuscript, “Smac mimetics LCL161 and GDC-0152 inhibit osteosarcoma growth and metastasis in mice”. Below are our responses to the points raised by Reviewer 2 and the editorial team regarding our revised manuscript.

1) “I think figure 1d would benefit from an arrow pointing to each tumor, just like the arrow in the cartoon in 1c. Their explanation in the figure legend was a nice addition, but an additional visual cue would also be helpful. Most of the signal in the PET and MRI is normal tissue, to be ignored.”

- We have added arrows into the images in Figure 1d as advised, and amended the legend accordingly: “…PET/MRI overlay with white arrows indicating tumors”.
2) The Availability of data and materials section refers to the raw data used in your study and presenting tables and figures is not sufficient to state that all data is contained within the manuscript and additional files… Data availability statements can take one of the following forms:…”

- We have used the following recommended statement: “The datasets used and/or analysed during the current study available from the corresponding author on reasonable request.”

3) In the “Funding” section of your declarations, please clarify the role of the funding body in the design of the study and collection, analysis, and interpretation of data and in writing the manuscript.

- We have added the following sentence into the funding section: “These organizations financed the work but played no role in the design of the study and collection, analysis, and interpretation of data or in writing the manuscript.”

4) Please state in the cover letter whether the diagram depicted in figure 7 is your own or taken from another source.

- We conceived, designed and drew this figure.

5) At this stage, please upload your manuscript as a single, final, clean version that does not contain any tracked changes, comments, highlights, strikethroughs or text in different colours. All relevant tables/figures/additional files should also be clean versions. Figures (and additional files) should remain uploaded as separate files.

- We have done this.