Reviewer’s report

Title: The siRNA targeted to mdr1b in vivo sensitizes murine lymphosarcoma to chemotherapy

Version: 1 Date: 20 January 2010

Reviewer: Roberto Mazzanti

Reviewer’s report:

Discretionary revisions

Authors could discuss a little more on the negative results shown by siRNA bcl-2 gene transfection especially considering that P-gp, encoded by the mdr1 gene, is playing a role in apoptosis and drug resistance. No reference has given for the Rho123 efflux studies (Mazzanti R., et al. Quantitative image analysis of rhodamine 123 transport by Adriamycin-sensitive and resistant NIH 3T3 and human hepatocellular carcinoma (Alexander) cells. J. Cell Pharmacol. 1; 50-56; 1990).

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

'I declare that I have no competing interests'