Reviewer’s report

Title: Quantum dot-loaaded immunomicelles for tumor imaging

Version: 1 Date: 9 March 2010

Reviewer: Weibo Cai

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Major Compulsory Revisions:

1) There is no control experiment in this study (for example: blocking the tumor uptake with unconjugated antibody, control antibody-conjugated QD micelles, antigen-negative tumor models, etc.). This reviewer is not convinced that the tumor signal is from target-specific binding rather than passive targeting.

2) Why is there strong signal in the kidney (figure 2)? Can this be explained?

3) It does not look like the fluorescence signal in the lung (Figure 4) is from the tumor. Rather, they appear to be all in the normal lung with little overlap to the tumor nodules.

4) The presentation of the manuscript needs to be improved.

Level of interest: An article of insufficient interest to warrant publication in a scientific/medical journal

Quality of written English: Not suitable for publication unless extensively edited

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