Reviewer’s report

Title: Expression analysis of genes and pathways associated with liver metastases of the uveal melanoma

Version: 5 Date: 10 October 2013

Reviewer: Tongwu Zhang

Reviewer’s report:

General review:
This study analyzed the gene expression profile of a wide series of uveal melanoma developing liver metastasis after ocular enucleation comparing to a series that did not develop metastasis, describing a series of expressed genes. The authors have well addressed all my comments and questions, which make this manuscript more clear. Revised discussion section provides more support of a serial differentially expressed gene as the candidate therapy targets.

Minor Essential Revisions:

For the methods of differential gene expression analysis, the author described t-test has very good performance in false-positive rate.

It’s useful to compare the result between t-test and other methods (such as RVM, SAM etc). The result can be plotted as a venn diagram of differentially expressed genes with different methods.

Level of interest: An article of limited interest

Quality of written English: Needs some language corrections before being published

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