Reviewer’s report

Title: Dietary grape polyphenol resveratrol increases mammary tumor growth and metastasis in immunocompromised mice

Version: 2 Date: 24 August 2012

Reviewer: Robert Hoffman

Reviewer’s report:

Major Compulsory Revisions:

The authors demonstrate that mammary tumor growth and metastasis is promoted by resveratrol using low and high metastatic human breast cancer cells lines in vivo. The authors also demonstrate an induction of Rac activity, which may be involved in cancer cell invasiveness, by resveratrol. The authors measure mammary tumor growth by GFP fluorescence imaging. Since this technique is essential to the current studies by the authors, they must cite the references that originally describe it (Proc. Natl. Acad. Sci. USA 97, 1206-1211, 2000, Nature Reviews Cancer 5, 796-806, 2005, Nature Protocols 1, 1429-1438, 2006). It is essential that authors give proper citational credit for the methods employed in their studies. The authors study is important and if proper citations are made in the revision, can be reconsidered for publication.

Level of interest: An exceptional article

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.