Reviewer's report

**Title:** G betagamma subunits inhibit Epac-induced melanoma cell migration

**Version:** 2  **Date:** 14 February 2011

**Reviewer:** Ashani Weeraratna

**Reviewer's report:**

Baljinayam et al demonstrate in this study that Epac1 induced melanoma cell migration can be inhibited by Gby. The data in this study is solid, and makes the authors' point. My only comments are minor.

1) The first paragraph of the results is not well written and is hard to follow. Please edit carefully.

2) Fig 4C is hard to interpret, and may be labeled incorrectly- the authors indicate that YM58483 acts to inhibit cell migration, yet the last two bars of the graph do not support this claim. Inhibition in the YM alone condition is not significant compared to control, and in the last bar, YM58483 does not inhibit cell migration at all. In the discussion the authors refer to this, saying that YM58483 did not reduce migration, and so, need to be consisten.

**Level of interest:** An article whose findings are important to those with closely related research interests

**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.

**Declaration of competing interests:**

I declare that I have no competing interests