Reviewer's report

Title: Amyloid-beta Precursor Protein Promotes Cell Proliferation and Motility of Advanced Breast Cancer

Version: 5 Date: 23 June 2014

Reviewer: Diego Ruano

Reviewer's report:

Minor Essential Revisions

The MS is an interesting work analyzing the role of APP in breast cancer cells. The authors demonstrate a relationship between APP expression and the potential malignancy of breast tumor cells. Even in several lines of mouse breast cancer cells is observed this relationship. In general the MS is a straight and clear work that demonstrate a role of APP in cell cycle progression, cell viability, tumor forming ability and tumor size, in addition to cell migration, pointing to APP as a potential pharmacological target for tumor treatment. Importantly, they identify GSK-3beta as a molecular marker involved in the APP physiology.

As a minor point authors must describe RT-PCR in the methods section. Pag 7 line 4.

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