Reviewer's report

**Title:** Citrus aurantium flavonoids inhibits adipogenesis and adipocyte differentiation through the Akt signaling pathway

**Version:** 1 **Date:** 8 February 2012

**Reviewer:** Luis Salazar-Olivo

**Reviewer's report:**

**MAJOR COMPULSORY REVISIONS:**
1. The title of the manuscript should use the appropriate form of the verb "to inhibit" for the third person plural ("Citrus aurantium flavonoids"). On the other hand, terms adipogenesis and adipose differentiation are synonymous, so that their simultaneous use in the same sentence is redundant and should be avoided. Since only a model of adipogenesis was used, the title should specify that studied compounds inhibit 3T3 adipogenesis. Finally, it is an accepted convention to write scientific names in italics.

2. Authors should specify the source of 3T3-L1 cells used. They should also specify the source and date of collection of plant material, its identification by an expert in botany, and if a backup copy of plant material exist in a recognized herbarium. Authors should also specify the part of Citrus aurantium plant used in the study, how plant material was processed previously to methanol extraction, and the ratio of plant material weight/solvent volume used for the methanol extraction.

**Level of interest:** An article of importance in its field

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

**Statistical review:** Yes, but I do not feel adequately qualified to assess the statistics.

**Declaration of competing interests:**

I declare that I have no competing interests.