Reviewer’s report

**Title:** In vitro biological assessment of Berberis vulgaris and its Active Constituent, Berberine: Antioxidants, anti-acetylcholinesterase, anti-diabetic and anticancer effects

**Version:** 2  **Date:** 21 January 2013

**Reviewer:** Tatjana Stanojkovic

**Reviewer’s report:**

The authors are mostly satisfactory answer to my questions. But, the materials and methods are still not clearly see how healthy donors were involved in experiments with PBMC? Only one, or more? If it is only one donor, consider insufficient data. It is necessary to confirm the stimulation of PBMC at least 3-5 people. Also, nowhere in the abstract and introduction, no mention of PBMC. The role of this experiment, it is unclear.

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

**Quality of written English:** Acceptable

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