Reviewer's report

Title: Natural resistance to cancers: a Darwinian hypothesis to explain Peto's paradox

Version: 1 Date: 4 June 2012

Reviewer: John Nagy

Reviewer's report:

1) Major Compulsory Revisions:
None.

2) Minor Essential Revisions

I find no reference made in the text to either the Gatenby and Maini or McAloose and Newton papers (references 17 and 18), although it's fairly clear where these should go.

3) Discretionary Revisions

In the penultimate paragraph, the authors make the claim that, "given this complexity, ... we need to develop global theoretical approaches." The two examples that follow illustrate the complexities involved, but shed little light on what is meant by "global theoretical approaches." Clarification of this intriguing claim--what is meant by "global" in this context, and what shape would such a theoretical approach take?--would be helpful.

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