Reviewer's report

Title: The anticancer activity of lytic peptides is inhibited by heparan sulfate on the surface of the tumor cells

Version: 2 Date: 7 January 2009

Reviewer: Oleg Chertov

Reviewer's report:

The authors are probably right that the cytotoxic effect of lactoferricin on tumor cells in vitro is mostly due to non-receptor mediated interaction with the cytoplasmic membrane. But the authors did not provide any evidence (their own experimental or from existing literature) that the lactoferricin does not interact with a specific receptor on tumor cells or other cells, for example immune cells, which may be important for the effect of these peptides in vivo.

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.

Declaration of competing interests:

I declare that I have no competing interests