Reviewer's report

**Title:** Downregulation of Cyclophilin A by siRNA diminishes non-small cell lung cancer cell growth and metastasis via the regulation of matrix metallopeptidase 9

**Version:** 7  **Date:** 24 September 2012

**Reviewer:** Valentina Zuco

**Reviewer's report:**

The authors have addressed all my initial comments/questions. The manuscript is now recommended for publication.

I recommended that the authors show a lower high film exposure of GAPDH protein levels in figure 1B, 2 and 4 (for example in figure 4A and B th bands are combined because of high film exposure). And finally, since CypA protein expression levels of A549 and 95C cells are comparable (figure 1B), I suggest to change the sentence in Discussion "Interestingly, proliferation and wound healing assays indicated that 95C had a greater proliferative and migratory capacity than A549, suggesting that elevated CypA expression in NSCLC cells might influence cell growth and metastasis" to "Interestingly, proliferation and wound healing assays, performed after downregulation of CypA in 95C and A549 cells and compared to nontransfected cells, indicated that elevated CypA expression in NSCLC cells might influence cell growth and metastasis".

The results obtained by silencing of CypA are very convinced and demonstrate the role of CypA in proliferation and in metastasis in 95C and A549 cells.

**Level of interest:** An article of outstanding merit and interest in its field

**Quality of written English:** Acceptable

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