Reviewer's report

Title: MicroRNA-34a modulates genes involved in cellular motility and oxidative phosphorylation in neural precursors derived from human umbilical cord mesenchymal stem cells

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Reviewer: Pranela Rameshwar

Reviewer's report:

The information in the manuscript is compelling while comparing miRNA with the development of MSCs to neural cells.

It will be important, in Figure 1A, to add protein analyses to the PCR. Perhaps imaging will suffice.

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.

Declaration of competing interests:

No conflict