

September 20, 2019

Professor Peter D. Adams
Aging Cell Editor-in-Chief
Sanford Burnham Medical Discovery Institute
10901 North Torrey Pines Rd
La Jolla, CA 92037, USA

Dear Mr. Adams,

I am submitting a manuscript for consideration of publication in *Aging Cell*. The manuscript is entitled "Cytoskeletal and motility changes in human umbilical cord mesenchymal stem cells associated with nuclear-cytoplasmic Rho redistribution during replicative senescence".

It has not been published elsewhere and it has not been submitted simultaneously for publication elsewhere.

The work is devoted to the analysis of the contractile apparatus and mobility characteristics of mesenchymal stem cells obtained from the human umbilical cord.

Since we are investigating the process of replicative aging in these cells, by the means of long-term cultivation (up to 36 passage), it seems to me quite appropriate to publish our work in the scope of *Aging Cell* interests.

I think that the data relating to a detailed statistical analysis of various colocalization coefficients obtained by calculating the results of immunofluorescence may be of some independent interest, so I allowed myself to accompany the manuscript with a supplement containing additional tables and graphs.

Thank you very much for your consideration.

Sincerely yours,

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encl: Manuscript, supplementary materials