

MEΦI / MEPHI

Microbes, Evolution, Phylogeny and Infection

Marseille, 8th April 2019

Dear editors,

Please find our manuscript entitled “**Single cell micro aspiration as an alternative strategy to fluorescence-activated cell sorting for giant viruses mixture separation**”.

In this manuscript we report the developing of a novel alternative strategy in order to separate giant viruses from our co-culture supernatants. Indeed, we used microaspiration to capture amoebas independently infected by two novel giant viruses previously unknown. We succeeded in separating 2 novel giant viruses that we named Clandestinovirus and Usurpativirus. This method appears to be an appropriate candidate to solving the non-separation and intermingling of viruses possessing relative same capsid size or relative similar genomic contents. In addition, they could help teams in the future to resolve similar culture problems.

We sincerely hope that this **method** is relevant and could be published in Journal Of Visual Experiments.

Best regards

Julien Andreani and Bernard La Scola