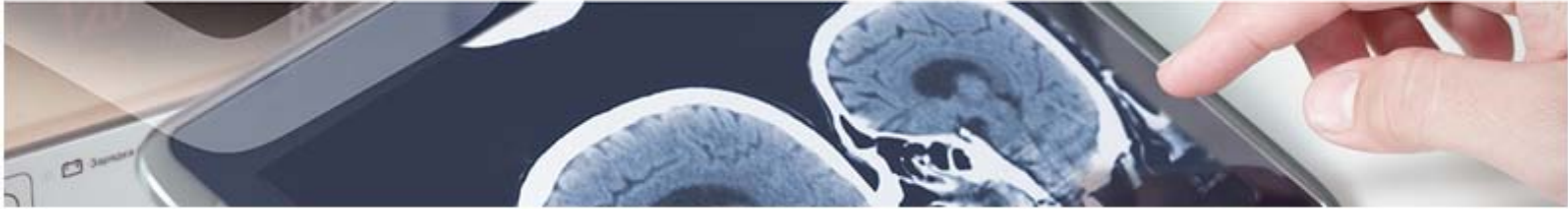




Laboratory material and reagents

Surface marker for MSCs

A research group from Andalusian Public Health System has identified a novel surface marker for Mesenchymal stromal cells (MSCs).



Description

MSCs are considered a promising tool for therapy in autoimmune disease. Recent data suggests that MSC therapy for human is safe and promising but several recent phase III clinical trials using MSCs for the treatment of inflammatory/autoimmune diseases have failed to show any significant clinical benefit. One explanation for these somewhat disappointing results is believed to be the heterogeneity of the MSCs preparations used.

To date, no MSC-specific marker exists and their isolation depends basically upon their adherence to plastic. Their low frequency and the lack of specific markers it has made it difficult to identify and study these cells *in vivo*. In addition, the characteristic markers used *in vitro* might be culture-induced and not be expressed on MSC/MSC progenitors *in vivo*.

This research group has discovered a novel surface marker able to identify and isolate subpopulations of MSC.



Advantages

This surface marker would allow:

1. Identification and easy isolation of MSCs population possessing potent self-renewal capacity and multipotency.
2. Enhance the therapeutic activity of MSCs.



Intellectual Property

This technology is protected by patent.



Aims

We are looking for a partner interested in a license and/or a collaboration agreement to further develop and exploit this innovative technology.



Classification

Area: Laboratory materials and reagents

Technology: Stem Cells

Pathology: Inflammatory / autoimmune diseases