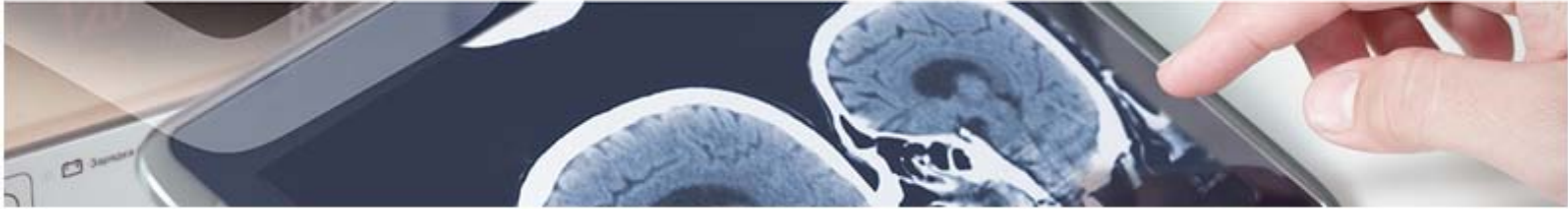




Biotech-Pharma (Therapy)

Method of obtaining a biomaterial

A research group from the Andalusian Public Health System has developed a method for obtaining a biomaterial for stem cell differentiation.



Description

Tissue engineering is currently directed to the search of new biomaterials which allow obtaining cell lines capable of proliferating and differentiating into different tissues. This requires specific cell cultures depending on the cell type we need to obtain.

For that reason, it would be of interest developing technologies based on 3D scaffolds which allow simultaneous cell differentiation into different cell types such as osteocytes and chondrocytes, using the same scaffold and without the requirement of multiple handlings of the culture.

A research group from the Andalusian Public Health System has developed a method for obtaining a biomaterial for stem cell differentiation based on a 3D scaffold which does not need additional differentiation factors or different from those already present in the cell culture medium.



Advantages

1. This biomaterial allows spontaneous stem cells differentiation in the presence of culture medium supplemented only with fetal bovine serum and without additional growth factors.
2. The biomaterial is biocompatible, thereby being able to be implanted in the patient without the need of osteochondral tissue.



Intellectual Property

This technology is protected by patent.



Aims

The group is looking for a license agreement holding and / or collaboration



Classification

Area: Biotech-Pharma (Therapy)
Technology: Biomaterials
Pathology: Musculoskeletal disorders