



Licensing opportunity

Biodegradable protein patches for healing of chronic wounds

Field of use

3D stem cell therapies

Current state of technology

Animal testings performed

Patent status

Secret know - how

Publication

None

Developed by

Jožef Stefan Institute

Reference

PATCHES

Contact: dr. Levin Pal

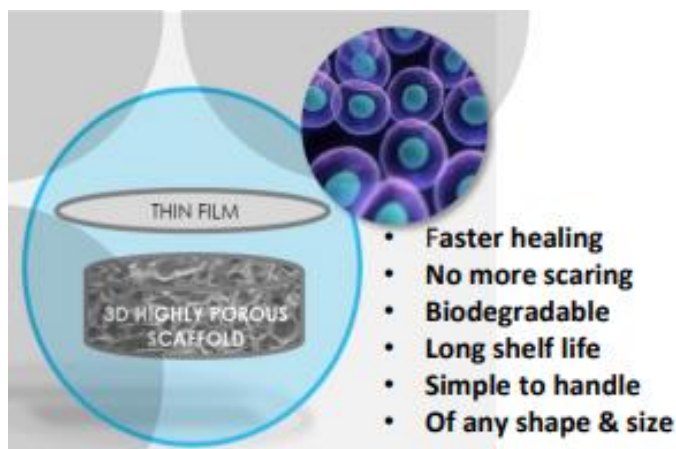
Center for Technology
Transfer and Innovation,
Jozef Stefan Institute,
E-mail: tehnologije@ijs.si
<http://tehnologije.ijs.si/>

Background

It all started when private Slovenian veterinary hospital was trying to treat a sick horse with a huge skin wound. There was no success with antibacterial ointments and there were also problems with stem cell treatments, since the cells diffused away from the wound even if applied on collagen filaments. After many unsuccessful attempts the company contacted researchers from JSI and a special protein carrier for stem cells (protein patch) was developed at JSI that finally cured the animal.

Description of the Invention

Researchers from Jozef Stefan Institute (JSI), Slovenia, developed protein patches applicable for healing chronic skin wounds rapidly and cost efficiently. Patches are biodegradable – disappearing in the wound, leaving no residue and no scars behind, also enabling a targeted and controlled release of therapeutic substances.



License agreements and/or research cooperations are sought to enter veterinary market, while clinical trials are sought to enter human medical market.

Main Advantages

- Faster healing
- No more scarring
- Biodegradable
- Long shelf life
- Simple to handle
- Of any shape & size