Press release
Grenoble, June 23th 2017

Linksium showcases 9 of its 100 mentored projects

MEDFIT 2017
Booth/ Stand n°V

Linksium is a two year-old company dedicated to technology transfer and startup building. It becomes a key source of deep and valuable medtech. Linksium is a unique formula to turn disruptive deep technologies into promising international startups or licenses. From Public French Labs to most profitable industrial products or services, Linksium selects, funds and empowers people & technologies.

EXHIBITORS ON BOOTH V

- BIOPILE – Use the body energy

The power for future generations of implanted medical devices is best provided by biofuel cells that harvest energy from the human body, rather than by storage batteries or cumbersome transcutaneous energy transfer. We present the first functional implantable biofuel cell, which implements an innovative and simple mechanical confinement of enzymes and redox mediators to convert extracellular-fluid into enough energy to power a pacemaker. We are now exploring a wide range of biological applications.

- PI.R2 – Steering the interventional radiology

The PiR2 project gathers a set of technologies designed to help interventional radiologists targeting abdomino-pelvic organs. It is composed of 1) the Light Puncture Robot (LPR) : a patient mounted robot capable of inserting needle under MRI or CT guidance, 2) the PiR2 software application allowing the clinician to plan needle insertion trajectories on MRI or CT images and control the LPR. Our aim at MEDFIT is to look for potential industrial partners for the development of PiR2.

- MECACHIPS – Steering the interventional radiology

The MecaChips technology is a completely new generation of cellular culture plates that offer soft, biomechanical substrates for in vitro 2D cell culture. The MecaChips plates exhibit an unprecedented micron-scaled control of the plate mechanical properties with an independent control of the surface chemistry thus mimicking the in vivo chemo-mechanical properties of almost all our tissues. At MedFit, Mecachips will exhibit its technology to collect customer interests.

- TRADERA – Follow the irradiations

TraDeRa aims at monitoring the X-Ray beam upstream to the patient during treatment delivery. TraDeRa is an air vented transmission detector with a patented electrodes design. It will provide a full monitoring of the beam properties (shape and intensity), with measurements in real time, up to the linacpulse scale. Each and every part of the active surface is instrumented : it has no dead zone for a comprehensive monitoring of the beam, up to 40x40 cm² at the isocenter.

- GRAPHEAL – make the bandage smarter

The management of chronic wounds remains an important public health problem and a source of morbidity for diabetics and the elderly. GRAPHEAL aims at adressing this issue by creating a novel generation of smart dressings for wound treatment enabling accelerating would healing. Our device is based on the integration of the integration of a new material, graphene in a dressing directly applicable to the wounds that is creating a scafold accelerating the speed of wound healing

ATTENDING TECHNOLOGIES

- MICROLIGHT - laser for bio-materials hight resolution 3d-printing

Our product is a turnkey 3D-printer, that prints with very high resolution (200nm) into any transparent photo-polymers or transparent bio-materials. First, our 3D-printer has 100 times more resolution than the best standard 3D-printers, and second, our system is able to print directly into bio-materials, such as proteins and collagen.

- MAGIA - Where can you deliver lab blood immuno-analysis directly to patients ? Stand B22

MAGIA's ambition is to revolutionize blood analysis. MAGIA makes accessible any kind of tradional lab immunoanalysis (30% of blood analysis) on a performant and very simple Point of Care device. Applications are multiple: emergency healthcare, personalised medecine, and low income settings...

- APIOS - bioactive film for osteo-induction and bone growth

APIOS has developed a biomimetic coating for implant that is able to trap osteoinductive proteins for bone growth stimulating. This technology enable a localized and more controlled osteoinductive protein delivery from the implant surface, resulting in more efficient, safer and cheaper bone regeneration treatment.

The biomimetic coating is made of biopolymers, it can be deposited on any type of implant (polymer metal or ceramics) in any shape. This film can be gamma sterilized, dried and stored while conserving its bioactivity and efficiency.

Proof of concept has been performed on rat femur critical size defect repairing, and positive results have been obtained.

linksium.fr

All technologies are accurately explained in
PROJETS EN PORTEFEUILLE

LINKSIUM SHORT PRESENTATION

Linksium's mission is to accelerate the transfer of technologies from laboratories in the Grenoble-Alpes region, as do the 14 other technology transfer acceleration companies (SATTs) created since 2011 thanks to the Future Investments Program. They ensure the relay between research laboratories and companies. The SATTs finance the risky and upstream phases of the development of technological innovation projects. These new partners simplify and professionalize the innovation system and contribute to the competitiveness of the industry in France.

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