

PROJECTS

SPRING 2017

LAUSANNE

Natural fungicide to control Botrytis grey mold

By **Olga Dubey, P.h.D at UNIL**

We propose a new way to achieve healthy fruits and vegetables by using a biological pesticide that can fight the world number 2 plant pathogen - Botrytis cinerea.



PEROSOL

By **Konrad Domanski, P.h.D at EPFL**

Perosol provides perovskite solar cells for portable electronic devices.



Share it!

By **Davide Colleoni, scientist at EPFL**

Create a stronger university community through a platform where students share services and know-how.



CLEX

By **Armend Hati, Postdoc at EPFL**

Breakthrough hydrogel solution for food and life science applications



Liassiant

By **Bassim Matar, Master at UNIL**

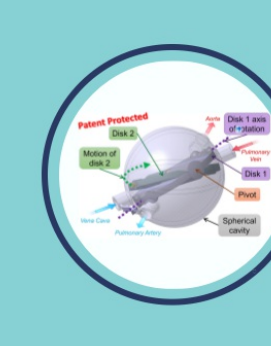
A solution to build and modify your own assistant with your voice, without knowing anything about programming. If everybody can create new functionality and application, development costs can drop heavily.



RollingHeart

By **Audrey Maertens, Postdoc at EPFL**

The RollingHeart is a compact artificial heart with a valveless revolutionary mechanism which will allow everyone with a failing heart to lead a normal life again, with a fully implantable device they'll just forget about!



Geenysees

By **Anna Varini, Postdoc at EPFL**

Home test for sperm count and mobility



ESTASI

By **Elena Tobolkina, Postdoc at EPFL**

Electrostatic spray ionisation technique (ESTASI) is a contactless method for analysing various samples from any surface.



Mantra VR

By **Stephan Streuber and Joao Rodrigues, Postdoc at EPFL**

A technology that allows the users to both reduce stress in punctual moments and to optimize their stress response over time, by retraining specific stress-related brain activation patterns, in a fun and entertaining way.



Cosm'med

By **César Serna, P.h.D at UNIGE**

A technology that allows the users to both reduce stress in punctual moments and to optimize their stress response over time, by retraining specific stress-related brain activation patterns, in a fun and entertaining way.



User experience enhancement in cochlear implants

By **Maria-Alexandra Paun, Postdoc at EPFL**

My project proposes to optimize the cochlear implants



GENEVA

PICO POWER

By **Olav Berring, Scientific collaborator at CERN**

Small solar panel inverters with long lifetime



PANGA

By **Natasha Reymond, Bachelor at EHL**

Growing ethics and sustainability into the fashion and accessories industry



RimiX

By **Pablo Prieto, Collaborator at CERN**

The new medical assistive device which challenges the way we treat neurological disorders and defies the established order of occupational therapies



Smartmed

By **Julie Dehan and Paola Cubillos, Master at UNINE**

Our bracelet helps patients who want to be compliant with their treatment, by sending medication reminders and making them feel engaged/involved and secured.



Health Solution

By **Xavier Dumusque, Postdoc at UNIGE**

Incite people to perform health diagnostics depending on their profile through an app.



SOREVA

By **Damien Varesano, Scientific collaborator at HES-SO**

Our real-time web-platform helps to optimize construction materials flow and waste management reducing the environmental impact and associated costs.



NEUCHÂTEL

PHOENIX

By **Eva-Maria Balet, Postdoc at EPFL**

A solution helps women who are suffering from incontinence to enjoy life again by one single, minimal invasive, and long-lasting treatment.



Vegan Cosmetics

By **Elena Barborek, Master at UNINE**

The project would consist to create vegan organic beauty boxes for the population. The products would be handmade, with natural ingredients, in a minimalistic approach, meaning that the right high quality ingredients are used, with no unnecessary harmful ingredients in them.



Sunlight

By **Ana Martins, P.h.D at EPFL**

Building integrated photovoltaic (BIPV) elements had a limited deployment during last years due to many design constraints, such as, its relative high weight (15-20 kg/m²) and reduced aesthetics. To increase the spread of BIPV, we have been working on the development of lightweight PV module (targeting 5 kg/m²) with warranty >25 years and with a minimalist fixation system.



MEDSENSE

By **Antonino Caizzone and Assim Boukhayma, P.h.D at EPFL**

This project aims to design a photoplethysmographic system-on-chip. This will integrate advanced photonic sensing technology and allow higher sensitivity and reliable vital parameters measurement at lower power consumption and low fabrication cost.



If you wish to contact any of the project owners, send us an email!