

PERSONALIZED HEALTHCARE INNOVATION IN HEALTH

Date : Tuesday, October 3rd 2017
Time : 10 :30 - 13 :00
Venue : Room Gaston Lagaffe, MassChallenge Switzerland
Chemin du Closel 5, 1020 Renens

This event aims to gather R&D representatives of Canton of Vaud's institutions of higher education with entrepreneurs from the MassChallenge Switzerland accelerator. All of the selected participants work in the health sector, specifically in personalized healthcare.

Researchers and entrepreneurs will present their projects in a dynamic pitch format. All participants will have a quality overall view of the presented projects and the opportunity to meet and share ideas during the following aperitif.

Welcome to all curious and interested minds from the higher education institutions of Canton of Vaud.

Register here:

<https://www.eventbrite.com/e/personalized-healthcare-tickets-36717403743>

AGENDA

10:30 - 10:50 MassChallenge Switzerland - Introduction and welcome
Mr. Thierry Duvanel, Managing Director

10:50 - 12:00 Pitches - Discover the projects. Researchers & startups

1. Use of technologies by older adults and home health care professionals: how can we increase it ? (Kampel Thomas)
2. Development of user friendly applications for shared decisions in mental health (Caroline Suter-Sturm)
3. Hands Up smartphone application for a quick and valid measurement of shoulder function. (Claude Pichonnaz)
4. Decision Aid for Diabetes Self-Management (Nancy Hérou)
5. CosKin : Analyse non invasive de la peau (Jimmy Loup)
6. Dermintel (Tomoko Yoko, Anthony Hessab et Nastaran Fatemi)
7. NEXTEP (Kevin Mamalis)
8. Motus Innovations
9. HAYA THERAPEUTICS (Samir Ounzain)

12:00 - 13:00 Aperitif & Networking

THE PROJECTS IN DETAILS

10:50 HAUTE ECOLE DE LA SANTE LA SOURCE

1. **Use of technologies by older adults and home health care professionals: how can we increase it ?** (Kampel Thomas)
2. **Development of user friendly applications for shared decisions in mental health** (Caroline Suter-Sturm)

11 :05 HAUTE ECOLE DE SANTE VAUD, HESAV

1. **Hands Up smartphone application for a quick and valid measurement of shoulder function.** (Claude Pichonnaz)

While questionnaires are controversial and laboratory-based movement analysis is cumbersome, the Hands Up App offers a low-cost, quick and scientifically validated measurement of shoulder function to clinicians.

2. **Decision Aid for Diabetes Self-Management** (Nancy Hérou)

There is a plethora of smartphone application providing diabetes information and suggestions. However, none is adapted to individual profile and complications. A decision-aid application based on individual profile, needs and personal goals is essential to help ensuring diabetes daily self-management and prevention of complications.

11 :20 SCHOOL OF ENGINEERING AND MANAGEMENT VAUD, HEIG-VD

1. **CosKin : Analyse non invasive de la peau** (Jimmy Loup)

Many cosmetic products are on the market, they allow to improve some properties of the skin. Today, it is difficult to prove the efficiency of the product to the customers. There are no public instruments to test the effectiveness of a cream and to obtain a diagnosis of the skin.

CosKin want to propose a marketing device to help sellers to improve the sales force of cosmetic products. The starting device is a multispectral imaging prototype (iSKIN) developed by Prof. Mr. Geiser at the HES-SO of Sion. This device was successfully used during the Jimmy Loup Master's work to evaluate the melanin level, the hemoglobin concentration and the oxygenation level. Initial measurements with cosmetic cream and with normal skin have shown promising results. The instrument can collect, analyze and qualify skin data.

2. **Dermintel** (Tomoko Yoko, Anthony Hessab et Nastaran Fatemi)

The majority of skin patients are self-managing their condition, and up to 60% of patients admit to not following their treatment. Half of these patients are dissatisfied with their care, and desperate for relief. And, all of this comes at a cost to the healthcare system. Dermintel, is developing a digital patient companion to encourage adherence and engage patients and doctors in optimizing their skin health outcomes. Our product consists of a chat messaging interface that leverages machine learning capabilities and data analytics to provide a more personalized and engaging digital tool for helping dermatology patients at the right time and place.

11:40 MASSCHALLENGE SWITZERLAND

1. **NEXTEP** (Kevin Mamalis)

To provide optimal, affordable mobility solutions to amputees, Nextep pioneers innovative 3D technologies to empower the prosthetists.

2. **Motus Innovations**

Motus Innovations is empowering patients to recover their independence by bringing cutting edge therapeutic technology to the home.

3. **HAYA THERAPEUTICS** (Samir Ounzain)

We are developing a first-in-class disruptive therapeutic approach to treat heart failure using proprietary heart specific switch-RNA drugs