

# ON[e]Life HACKATHON at MEDINFO 2019

## Connecting Health and AI

26<sup>th</sup> - 30<sup>th</sup> August 2019- Lyon



### MEDINFO

MEDINFO is a meeting place where participants have the opportunity of sharing their knowledge and expertise in an international context. MEDINFO aims then to improve health and well-being of interconnected citizens around the world! A place to discuss and share opinions and experience on « **Health and well-being: electronic networks for all** ».

- 1500+ delegates from 70+ countries all over the world
- 200+ world-renowned speakers

<https://medinfo-lyon.org/>

### ON[e]Life

ON[e]Life is a multi-expertise platform that aims to accelerate the development of biotechnology and e-health companies and to create bridges between life sciences and digital technologies. ON[e]Life is a driving-ecosystem actor focusing on worldwide digital transformation of life sciences, medicine, health and spread it through international collaborations.

<http://onelife-git.com>

### Hackathon

A Hackathon is a multi-day event where a team of creators / innovators (developers, doctor, students, clinicians, etc.) works together on a disruptive project using collaborative computer programming. This creative process is frequently used in the field of digital innovation (Briscoe & Mulligan, *London's Digital Economy*, 2014). For the last two years, we

have applied this process towards life sciences, medicine and health and we wish to replicate it.

## **The Project**

MEDINFO is a major event on digital health gathering scientists, doctors, teachers, students, businesses, institutions and policy makers in a unique place.

This Hackathon will bring the spotlight on **Biosensing** that bridges the life sciences and the digital world. We will focus on 3 areas:

- Innovating Biosensors (hardware) that are nowadays ubiquitous in biomedical diagnosis as well as a wide range of other areas such as point-of-care monitoring of treatment and disease progression, environmental monitoring, food control, drug discovery, forensics and biomedical research;
- Fog or Edge Computing, the new challenge in the IoT world, that both involve bringing intelligence and processing closer to the creation of data;
- Data analysis (software) that must be tangible and manageable to extract new insights.

The aim is thus to develop new projects and exploiting new technologies related to biosensing applications for better health and well-being.

As a perspective, a plenary session on "Quantum Computing towards Life Science, Medicine, and Well-being " will open/close the Hackathon session. Altogether positive impacts will be gathered along with the MEDINFO themes: "Enhancing innovation and Biosensing to overcome challenges in growing area of Digital Health".

## **How**

This Hackathon will be held in a seminar room, equipped with a common part in the form of open innovation, a platform, a lounge with access to a finger buffet; snacks, drinks, smoothies....

A project manager and his team will define the event perimeters in collaboration with its close partners. Logistics and operations will be provided by professionals in the sectors of interest.

During the event, mentors / coaches from the life sciences, medicine and IA will challenge and guide the ongoing projects of each team. 80 participants are estimated. People from different disciplines will work together in teams for one weekend and collaborate on solving pressing healthcare issues in a tangible manner.

## **Format**

Registration will be open from June 1<sup>st</sup> to July 31<sup>rd</sup> 2019. Each team of max 5 participants will produce an innovative video teaser to present the members and their thrill.

A jury of professionals will evaluate and select each team according to well-defined criteria. Then, selected teams will receive the Hackathon guideline manual, regulations and selected databases.

On the day of the event, a 24-hour countdown will be launched. Teams will work on their projects with help of mentors on site. After these 24 hours, participants will pitch their projects for 3-5 minute in front of the jury.

## **Partners**

MEDINFO is a worldwide event gathering professionals for e-Health, public Health and international partners such as Elsevier, IBM, LEP, MEDASYS, Norwegian Centre for E-health Research, and MNH.

The first Hackathon organized by ON[e]Life was a success and the number of participants increased.

We are looking for **grants** from public health organizations, clinical and pharmaceutical companies along with telecom and technology companies to challenge this event every year and develop long-term relationships.

This event aims to build long-term collaborative and disruptive projects as well as to gain in visibility and awareness of these topics in the general population. The digital transformation is happening now in health and medicine as well and we should be all part of it.