



Cross4Health

Awarded Projects Interview

Awarded Project	SeptiBell
Company name	Loop Diagnostics S.L.

1. What is the company's business activity?

LOOP-DX was founded in 2018 and is a Biodesign company based in Barcelona. The company specialises in discovering cost effective, accurate and timely methodologies and biomarkers for medical related problems that the global healthcare systems face every day. The focus of LOOP-DX is to support the diagnosis of Sepsis, aiming to make the diagnosis easier for healthcare workers to understand and treat patients before the occurrence of further medical related issues.

2. What is the SeptiBell project?

SeptiBell is a diagnostic device that aids emergency physicians make better clinical decisions and optimize sepsis management. The first rapid test that identifies bacterial infections in the blood through immune activity, activating the Sepsis Code.

3. How did the idea come about?

The company has implemented the Biodesign, a process for identifying, inventing and implementing new products and services in healthcare through innovative approaches such as Design Thinking. Moreover, during the clinical immersion phase, LOOP-DX found more than 400 clinical needs, one of them a big unmet need: #286 A fast way to do microbiology analysis in patients to provide correct treatment earlier; therefore, the team decided to start the early diagnose sepsis project.

4. Who are the core partners of the project?

COMILLAS is a centennial Spanish university that, through its Institute for Research in Technology (IIT), carries out research, development and innovation projects in several industry sectors. Specifically, the Bioengineering area at IIT has proven experience in design, development and prototyping of electronic devices in the field of health.

RJ has experience in the medical and healthcare markets, developing medical devices, wearables, and disposable diagnostics solutions. The company also works in the industrial and consumer markets, designing all kind of consumer products. RJ has a user centred design process that combines user research and user testing to make sure the right need is solved.

5. How did this collaboration between the partners arise?

LOOP-DX and Comillas were the winners at Cross4Health Hackathon Event, which was a great opportunity to work in the development of the LEAN CANVAS.

In case of RJ, we met during EIT Health alumni related event two years ago. RJ was participating in a similar program Biodesign based.

6. How did you hear about the Cross4Health project?

We knew the program thanks to Biotecyl – Cluster de Salud de Castilla y León.

7. What is the current status of the project?

The main milestone Loop Dx was to prove the test's biomarkers are specific enough to screen patients with blood bacterial infections.

8. What are the next steps?

The future step for 2020 will be to create a MVP of the diagnostic device in order to start the clinical trials validation at the end of year.

9. How Cross4health can support the development of your project?

Thanks to Cross4Health support will be able to move forward the Minimum Viable Product (MVP) and further define a route to market for SeptiBell.

10. Would you recommend Cross4Health to other companies?

I would recommend the project Cross4Health to any need-driving project that will need to create a MVP and have to collaborate with other technology companies or universities. Additionally, the company can improve the Business plan of the project thanks to the innovation vouchers.