



İSTANBUL PROJECT ACADEMY



MARMARA ÜNİVERSİTESİ
İNNOVASYON VE TEKNOLOJİ
TRANSFER UYGULAMA VE
ARAŞTIRMA MERKEZİ





Horizon Europe Cluster 1: Health Brokerage Event



Project Idea / Field of Expertise :

Electrical Engineering, Mechanical Engineering,
Materials Engineering, Computer Science

Organisation Name:

Leuven Center for Affordable Healthcare Technology

Addressed Topic(s) & Call(s):

Ensuring access to innovative, sustainable and high-quality health care- HORIZON-CL1-2023-D4-01

Ensuring access to innovative, sustainable and high-quality health care- HORIZON-CL1-2024-D4-01-two stage

Unlocking the full potential of new tools, technologies and digital solutions for a healthy society - HORIZON-CL1-2023-D5-01

Unlocking the full potential of new tools, technologies and digital solutions for a healthy society - HORIZON-CL1-2024-D5-01-two stage

Maintaining an innovative, sustainable and globally competitive health industry - HORIZON-CL1-2023-D6-01

Maintaining an innovative, sustainable and globally competitive health industry - HORIZON-CL1-2024-D6-01



Leuven Center for Affordable Healthcare Technology

- established to take a leading role in the international academic landscape, by striving for excellence in research and enabling and facilitating the deployment of the newly developed affordable healthcare technologies.
- We have in-house expertise in
 - 4 major disciplines (Electrical Engineering, Computer Science, Mechanical Engineering and Material Engineering)
 - 9 professors, multiple PhD students and postdocs.

Our Project idea / expertise

• Project Ideas

- Low-cost Glaucoma screening tool
- Low-cost Rheumatic heart disease screening
- Parent-Child HIV Status Disclosure Platform
- Smart wound management tool

• Field of Expertise

Electrical Engineering

- low-cost sensors and low-cost devices
- signal processing algorithms, data analysis and machine learning
- FPGA-based open-source portable hardware designs
- detection of diseases, screening, diagnosis, and health monitoring

Computer Science

- end user in the design and development process
- games for health and gamified apps
- screening or diagnosis tools, health monitoring systems, and support systems for therapy and treatment adherence

Mechanical Engineering

- low-cost medical devices and assistive technology for use in the operating room
- 3D-printing, low-cost sensors, actuators
- surgical training

Materials Engineering

- smart wound management is bacterial infection
- diagnostic compound imbedded inside the wound dressing

• We are looking for partnership, project cooperation, and investment to

- Build a network with industrial and university partners in Europe and the South that focuses on Affordable Health Technology.
- Design strategies for the implementation of the technologies and products that we develop.
- Help our partners abroad in building capacity for both short term and long-term trainings.
- Set up new initiatives and discuss these with health care professionals in the partner countries.
- Build sustainable collaborations between all parties and align ongoing initiatives.
- Take initiatives to realize actual deployment of novel technologies.
- Find and acquire funding for new initiatives.



Contact details



Contact person

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THANK YOU...



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