

News from the Network

COVID-19 Response Open Call 2021 is open

The COVID-19 Response call is meant to accelerate the embedding of robotic applications in healthcare-related settings and to enable the deployment of robotic-based solutions. Up to 8 projects with a max. amount of €250.000 will be funded by the DIH-HERO network. Our aim is to stimulate technology and developing a clinical connection all over Europe. The COVID-19 special actions are focused on broad Covid-19 solutions and robotic applications related to the current situation including COVID-19 response, recovery and support in daily challenges that are still existing due to the pandemic as well as post COVID-19 challenges. In addition, specialised and individual deployment support will be provided by the DIH-HERO partners to the awarded parties.

For more information visit our proposal submission platform at: [Follow up COVID-19 Response and Deployment Call 2021](#)

The call deadline is January 15th, 2022 23:59 CET

A webinar on the call will take place on October 28th, 2021 from 2:00 PM - 3:00 PM CEST. You can register under <https://register.gotowebinar.com/register/638832067433413388>.

A graphic for a webinar announcement. It features a dark background with a grid of hexagons. Some hexagons contain icons: a microscope, a person, a gear, a magnifying glass, and a wheelchair. The text is overlaid in white and blue. The word 'WEBINAR' is at the top in large white letters. Below it, the title 'Introduction of the COVID-19 response open call 2021 for healthcare robotics' is written in white. The date and time 'October 28th, 2021 from 2:00 PM - 3:00 PM CEST' are also in white. At the bottom, the text 'Register here.' is in blue with a blue underline. On the right side, there is a faint image of a man wearing glasses and a suit, looking slightly to the right.

WEBINAR

Introduction of the COVID-19 response open call 2021 for healthcare robotics

October 28th, 2021 from 2:00 PM - 3:00 PM CEST

[Register here.](#)

2.TD Call – Announcement of the awarded companies

The Technology Demonstrator call provides a maximum amount of up to 100.000 € for projects tailored to one of the five main application areas:

- Diagnostic Robotic
- Interventional Robotics
- Rehabilitation Robotics
- Robotics supporting Patients
- Robotics supporting Healthcare Professionals

The awarded projects are meant to demonstrate the feasibility of new, innovative and enhanced robotic solutions in healthcare application domains and by this to help us accelerating the development of Healthcare robotics.

The major aim of this call is to stimulate cross-border collaboration among pan-European companies (SME's and slightly larger companies) which are working in the area of Healthcare Robotics. Furthermore, the DIH-HERO Technology Demonstrators are meant to broaden the uptake of robotics solutions in healthcare and to increase future investments in robotics in healthcare.

We would like to congratulate following parties to be awarded to receive funding to perform the proposed Technology Demonstrator project together with their project partners:

ACMIT GmbH

Akara Robotics Limited

BEC GmbH

ConnectedCare Services b.v.

Hankamp Rehab

KINFINITY

Kurage

Loop Robots B.V.

Mov'it Srl



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 825003.

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Project insights - The TraceBOT project

Smart LabAutomation - Traceable Robotic Handling of Sterile Medical Products

Today's manual procedures prevail when it comes to creating and testing new healthcare products. This is because regulations require certainty in the execution of each process step and systematic checking to verify task completion, known as traceability. A particular challenge in this field is the handling of sterile medical products. Lab automation with dexterous, reasoning robots is the solution. The EU funded TraceBOT project (Grant agreement ID: 101017089) brings together six strong partners from five countries: Fundación Tecnia Research & Innovation (Spain), Commissariat à l'Énergie Atomique et aux Énergies Alternatives (France), Technische Universität Wien (Austria), Universität Bremen (Germany), Astech Projects Limited (England) and Invite GmbH (Germany), and guided by representatives of the pharmaceutical industry. Each partner contributes with its own expertise by providing a solution, while working hand-in-hand with other partners. This collaboration focuses on the development of tactile grippers for handling medical products, manipulation skills to execute the regulatory checking action for every assembly step, an intuitive programming method for a quick adaptation to novel products and tasks and, last but not least, a programme which assures reasoning for safe and failure-resistant operation of the robot system to meet the need of safety-critical automation.

TRACEBOT

The objective of TraceBOT is to bring verifiable actions to robot manipulation by reasoning over sensor-actor trails in a traceability framework based on digital-twin technology and to extend current robot motion planners by the automatic execution of self-checking procedures that create a semantic trace of the actions performed. The goal is to create robotic systems able to understand what they perceive and do, to ensure that any manipulation action is verified, thus meeting the needs of the regulated environment. The TraceBOT project's coordination and dissemination is carried out by the German based health network BioLAGO. Duration: January 2021 till March 2025.

More Information on TraceBOT:

Please contact Carlos Lange-Prollius from BioLAGO: carlos.lange@biolago.org



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Outlook on an interesting event

Together we empower our future Healthcare with Medical Technology

The TechMed Event on **November 3rd and 4th, 2021** in Twente (TechMed Centre, on the campus of the University of Twente, Enschede, The Netherlands) brings together clinical partners, business relations and researchers. This It is about the latest technical medical developments. And most of all, it's about creating impact together. Curiosity, collaboration and clinical practice are at the core of this event organized by the TechMed Centre and the WTC Twente in collaboration with MedTech Cluster Twente.

You will get informed and inspired about the latest scientific insights, new innovations and unique technological solutions that will transform healthcare for the benefit of all of us. We believe that curiosity, collaborative research and innovation help to create, discover and set out advances to improve the patient's journey. Customize your own programme, meet leading stakeholders and get inspired by presentations on the future of healthcare.

<https://www.techmedevent.nl/>

Further Events

DIH-HERO Brokerage Event November 25th, 2021



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