

[ITA] Manifestazione di interesse rivolta a produttori di robot health care o personal care.

[ENG] Expression of interest targeting healthcare and personal care robots and technology producers.

Fit for Medical Robotics – Fit4MedRob is a research initiative for technologies and innovative trajectories in the health and care sectors funded by the Italian Ministry of University and Research under the National Plan for NRRP Complementary Investments - Law Decree May 6, 2021, n. 59, converted and modified by Law n. 101/2021.

The Initiative aims to revolutionize current rehabilitation and assistive models for people **of all ages** with reduced or absent motor, sensory, or cognitive functions, by means of novel **(bio)robotic** and allied digital technologies and of **continuum of care** paradigms that can take advantage of the novel technologies in all the phases of the rehabilitation process, from the prevention up to the home care in the chronic phase. This will be possible by carefully identifying the **unmet needs** of patients and healthcare practitioners, and by tackling them with current and novel (bio)robotic/bionic technologies, via multi-centric **clinical trials** jointly conceived by bioengineers, neuroscientists, physiatrists, psychologists, and functional/preventive limb surgeons. Such a new continuum-of-care paradigm will start from prevention and will target all phases of the disease, from acute (bedside) to chronic (home-based rehabilitation), and will contribute to the design of new pre-rehabilitation protocols and diagnostic tools for fragile individuals or workers exposed to occupational diseases or repetitive stresses.

*Fit for Medical Robotics* will focus both on **clinically available technologies**, and on emerging ones or breaking-through ideas to be explored throughout the project.

The Initiative, coordinated by the Consiglio Nazionale delle Ricerche, started on December 2022 and will last for 44 months. It includes **11** research and academic institutions, **11** clinical centers, and **3** companies. Additional partners will be included through a cascade calls mechanism throughout the duration of the Initiative. The full abstract of the research initiative is reported in Annex I.

In an attempt to endow the clinical centers with state-of-the-art robots and technologies, as well as to launch nation-wide multi-centric trials, deploying clinically available technologies (CE marked), the Consortium is opening this call for expression of interests to all manufacturers of healthcare and personal care technologies. These include Manufacturers of Products like (not exhaustive list - Manufacturers willing to propose Products in line with the scientific goals and methodologies described in Annex I are welcome to do so):

- Upper and lower limb rehabilitation robots;
- Upper and lower limb assistive robots;
- Social robots with diagnostic capabilities;
- Limb prostheses;
- Pediatric rehabilitation robots or technologies;
- Tele-rehabilitation or telemedicine systems;
- Technological platforms for balance rehabilitation and assessment;
- Sensor-based devices;
- Technological devices for cognitive rehabilitation;
- Technological treadmills;
- ...

Manufacturers willing to provide their products to the Consortium are invited to offer their availability to supply by filling in a 2-page Product Sheet (Annex II) for each product, including: (i) description of the device

and of its clinical claims, (ii) cost and potential discount offered, (iii) contact information, and (iv) other important information. The offer shall be understood as non-binding for all the parties involved. The Product Sheets shall be sent to [protocollo-ammcen@pec.cnr.it](mailto:protocollo-ammcen@pec.cnr.it) by September 22, 2023, 6pm CET.

The Products included in the Sheets will be assessed by the Consortium members for potential adoption in clinical trials within healthcare and personal care scenarios, in different settings (e.g.: inpatient, outpatient, home-use). Direct contacts between the members of the Consortium and the Manufacturers will follow to explore the opportunity for commercial partnership and the possibility to finalize the related supply contracts.

All manifestations of interest and related Product Sheets will be publicly made available online on the website of the Consortium, unless otherwise requested by the Manufacturer.

## Privacy policy

The data controller is the CNR, Piazzale Aldo Moro 7, 00185 Roma, Italy.

The internal Data Processors whom data subjects can contact is **Emilio F. Campana**, Head of the Engineering, ICT, Energy and Transport Department. The Coordinator of the Initiative, in this case Paolo Giuseppe Ravazzani – [paolo.ravazzani@cnr.it](mailto:paolo.ravazzani@cnr.it), is the internal contact person for these data processing activities. The Data Protection Officer (DPO) can be contacted at the following email address: [rpd@cnr.it](mailto:rpd@cnr.it). Your data will be processed only for the purposes connected to this expression of interest and will be managed by instructed and authorised internal research and administrative staff of the CNR and other partners of Fit4MedRob.

The personal data provided as part of this expression of interest (including personal data and contact details) will be considered as confidential, processed by email and stored in the internal repository of CNR, with servers located in the European Union. At the end of the Initiative, the data provided will be destroyed, without prejudice to any reporting obligations as aggregate information.

As a data subject, you have the right to obtain at any time confirmation as to whether or not personal data concerning you exist, to be informed of the content and source of such data, to check their accuracy and request integration, updating or rectification, as well as to have the processing of your personal data restricted and any unlawfully processed data erased, made anonymous or blocked, under the conditions of Article 89.2 of the EU Reg. 679/2016, read in conjunction with Articles 15-21 of EU Reg. 679/2016. You shall exercise your rights by submitting your request to the CNR. In case you believe that your rights have been violated, you shall also lodge a complaint to the competent Data Protection Authority and or to any other competent authority.