

PROJECT DETAILS:

GRANT AGREEMENT NUMBER	101095653
PROJECT FULL TITLE	BIOMarker based diagnostic TOOLkit to personalize pharmacological approaches in congestive heart failure.
TOPIC	HORIZON-HLTH-2022-TOOL-11-01
START DATE OF THE PROJECT	1 October 2023
DURATION	60 Months
PROJECT COORDINATOR	Dr. Luciano Potena IRCCS AZIENDA OSPEDALIERO UNIVERSITARIA DI BOLOGNA RCCS
EU CONTRIBUTION	9.600.663,00 Euro
PROJECT WEBSITE	https://www.biotool-chf.eu/

PARTNERS

 <i>Assistance Publique Hopitaux de Paris</i>	France
 <i>Ethniko Kai Kapodistriako Panepistimio Athinon</i>	Greece
 <i>Univerzitetni Klinicni Center Ljubljana</i>	Slovenia
 <i>Institut de Investigacio en Ciencies de la Salut Germans Trias i Pujol</i>	Spain
 <i>Fundacion para la Investigacion del Hospital Clinico de la Comunitat Valenciana</i>	
<i>Fundacion Incliva</i>	Spain
 <i>Katholieke Universiteit Leuven</i>	Belgium
 <i>Region Hovedstaden</i>	Denmark
 <i>Alma Mater Studiorum - Università di Bologna</i>	Italy
 <i>Onaseio Kardiocheirurgiko Kentro</i>	Greece
 <i>Institut National de la Sante et de la Recherche Medicale</i>	France
 <i>Predict4Health</i>	France
 <i>ECRIN European Clinical Research Infrastructure Network</i>	France
 <i>Istituto Superiore di Sanità</i>	Italy
 <i>Warrant Hub S.p.A</i>	Italy
 <i>Universitätsklinikum SchleswigHolstein</i>	Germany
 <i>Universitaet zu Luebeck</i>	Germany
 <i>Associazione Italiana Scompensati Cardiaci Associazione di Promozione Sociale</i>	Italy
 <i>I.M.A. Industria Macchine Automatiche S.p.A</i>	Italy
 <i>Erasmus Universiteit Rotterdam</i>	Netherlands
 <i>Fondazione per il Tuo Cuore Onlus</i>	Italy
 <i>Fachhochschule Nordwestschweiz</i>	Switzerland
 <i>Academisch Ziekenhuis Groningen</i>	Netherlands
 <i>Università degli Studi di Brescia</i>	Italy
 <i>Region Stockholm</i>	Sweden



The European Commission funds a breakthrough in Chronic Heart Failure Management

BIOTOOL-CHF EU funded project kicks-off in Bologna

29 January 2024, Bologna (Italy) | The “BIOMarker based diagnostic TOOLkit to personalize pharmacological approaches in congestive heart failure” (BIOTOOL-CHF) project has started its journey under the HORIZON-HLTH-2022-TOOL-11-01 topic. With a duration of 60 months, the project is coordinated by IRCCS AZIENDA OSPEDALIERO-UNIVERSITARIA DI BOLOGNA and boasts a total cost of 9,600,663.00 Euros, funded by the European Union.

The core objectives of BIOTOOL-CHF include the validation of qualified biomarkers estimating congestion, the definition of an artificial intelligence-based score predicting congestion and prognosis, the development of a decision-making tool for diuretic management, the creation of a Point of Care companion diagnostic (CD) for assessing biomarkers concentrations, and the establishment of a Strategy plan for industrial development and market access of the CD. This holistic approach aims to revolutionize the management of heart failure with reduced ejection fraction (HFrEF), offering a more efficient and personalized strategy for patients through innovative tools and digital solutions.

The substantial funding from the European Union for the BIOTOOL-CHF project reflects the critical importance of addressing the challenges posed by heart failure with reduced ejection fraction (HFrEF). With approximately 6.5 million Europeans affected by this condition, leading to high healthcare costs and significant mortality rates, the project's objectives align with the pressing need for innovative solutions. The EU's investment underscores its commitment to advancing medical research, personalized healthcare, and the development of tools that can significantly impact patient outcomes.

The project aligns with the overarching goal of providing regulatory agencies and scientific societies with a framework for disseminating recommendations, thus enabling the enhanced use of existing pharmaceuticals and facilitating the achievement of target guideline-directed medical therapy for HFrEF patients.

Through the combined work of over twenty hospitals, universities, and research centers spanning Italy, Germany, France, the Netherlands, Belgium, Greece, Slovenia, Spain, Denmark, Switzerland, and Sweden, the project seeks to improve the management of congestion linked to heart failure by implementing a more effective administration of diuretic medications.

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