ANNEX II

SUCCESSFUL AI-ENABLED PROJECTS ON AUGMENTED MEDICINE AND HEALTH CARE

HosmartAI Hospital Smart development based on AI

ID: 101016834

From: 1 January 2021 to: 31 May 2024

"HosmartAI will create a common open Integration Platform with the necessary tools to facilitate and measure the benefits of integrating digital technologies (robotics and AI) in the healthcare system. A central hub will offer multi-faceted lasting functionalities...

Coordinated in: Belgium

Programme: INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)

Last update: 28 December 2023

BRAINTEASER BRinging Artificial INTelligencE home for a better cAre of amyotrophic lateral sclerosis and multiple SclERosis

ID: 101017598

From: 1 January 2021 to: 31 December 2024

Amyotrophic Lateral Sclerosis (ALS) and Multiple Sclerosis (MS) are chronic diseases characterized by progressive or alternate impairment of neurological functions (motor, sensory, visual, cognitive). Patients have to manage alternated periods in hospital with care at home...

Coordinated in: Spain

Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Individual awareness and empowerment for self-management of health

Last update: 5 February 2024

 Add to my booklet

HosmartAI Hospital Smart development based on AI

ID: 101016834

From: 1 January 2021 to: 31 May 2024

"HosmartAI will create a common open Integration Platform with the necessary tools to facilitate and measure the benefits of integrating digital technologies (robotics and AI) in the healthcare system. A central hub will offer multi-faceted lasting functionalities...

Coordinated in: Belgium

Programme: INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)

Last update: 28 December 2023

 Add to my booklet

BD4QoL Big Data Models and Intelligent tools for Quality of Life monitoring and participatory empowerment of head and neck cancer survivors

ID: 875192
From: 1 January 2020 to: 31 December 2024
Head and neck cancer can take away a patient's "right to feel human," and its impact on physical appearance, physical functioning, psychological status and general quality of life (QoL) can be devastating. Over the past several decades, the number of patients who survive...
Coordinated in: Italy
Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Improving halth information and better use of health data, Transferring knowledge to clinical practice and scalable innovation actions
Last update: 19 December 2023
 Add to my booklet

WARIFA Watching the risk factors: Artificial intelligence and the prevention of chronic conditions
ID: 101017385
From: 1 January 2021 to: 31 December 2024
Digital healthcare may prevent poor health. Personalised early risk prediction by artificial intelligence can empower citizens to adopt healthier habits and a better lifestyle. This project aims at defining a general personalised early risk prediction model that will be used...
Coordinated in: Norway
Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Individual awareness and empowerment for self-management of health
Last update: 28 December 2023
 Add to my booklet

ONCORELIEF A digital guardian angel enhancing cancer patient's wellbeing and health status improvement following treatment.
ID: 875392
From: 1 January 2020 to: 30 June 2023
The burden of cancer is rising globally and is estimated to have reached 18.1 million new cases and 9.6 million cancer deaths in 2018. Despite the rising cancer incidence, improvements in early detection and therapeutic treatment have improved cancer survival. As a...
Coordinated in: United Kingdom
Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Improving halth information and better use of health data, Transferring knowledge to clinical practice and scalable innovation actions
Last update: 29 January 2024
 Add to my booklet

PROJECT
CONNECARE Personalised Connected Care for Complex Chronic Patients
ID: 689802
From: 1 April 2016 to: 31 December 2019
The ambition of the CONNECARE consortium is to co-design, develop, deploy, and evaluate a novel smart, adaptive integrated care system for chronic care management. This will save European healthcare organisations huge sums whilst improving patient outcomes. The consortium...
Coordinated in: Spain

Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Health care provision and integrated care
Last update: 10 February 2023
 Add to my booklet

ENVISION Intelligent plug-and-play digital tool for real-time surveillance of COVID-19 patients and smart decision-making in Intensive Care Units
ID: 101015930
From: 1 December 2020 to: 31 July 2023
Within only six months, over 7.4 million people have been diagnosed with SARS-CoV-2. In the most severely hit countries, more than 10% of infected patients have received treatment in Intensive Care Units (ICUs). Insufficient data and limited knowledge on the disease as well as...
Coordinated in: Germany
Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being
Last update: 27 December 2023
 Add to my booklet

HumanE-AI-Net HumanE AI Network
ID: 952026
From: 1 September 2020 to: 31 August 2024
The HumanE AI Net brings together top European research centers, universities and key industrial champions into a network of centers of excellence that goes beyond a narrow definition of AI and combines world leading AI competence with key players in related areas such as...
Coordinated in: Germany
Programme: INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)
Last update: 24 January 2024
 Add to my booklet

ASCAPE Artificial intelligence Supporting CAncer Patients across Europe
ID: 875351
From: 1 January 2020 to: 30 June 2023
The latest cancer statistics highlight encouraging advances in decreasing cancer-related mortality. However, given that one in two people will be diagnosed with cancer in their lifetime, and due to the growing and ageing population, the absolute number of people living with...
Coordinated in: Greece
Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Improving halth information and better use of health data, Transferring knowledge to clinical practice and scalable innovation actions
Last update: 19 September 2023
 Add to my booklet

HBP SGA2 Human Brain Project Specific Grant Agreement 2
ID: 785907
From: 1 April 2018 to: 31 March 2020

The Human Brain Project (HBP) is a major European scientific research initiative to improve our understanding of the brain and the role it plays in making us human, and to exploit the opportunities offered by the resulting knowledge. The size and complexity of the brain make...

Coordinated in: Switzerland

Programme: [EXCELLENT SCIENCE - Future and Emerging Technologies (FET)](#), [FET Flagships](#)

Last update: 23 November 2023

 Add to my booklet

[COUCH Council of Coaches](#)

ID: 769553

From: 1 September 2017 to: 31 August 2020

Despite the proliferation of ICT solutions for personalized healthcare, there is still no easy way to provide older adults with integrated coaching services. Council of Coaches (COUCH) introduces a radically new virtual coaching concept based on multiple autonomous, embodied...

Coordinated in: Netherlands

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Active ageing and self-management of health](#)

Last update: 25 August 2022

 Add to my booklet

[CINDERELLA Clinical Validation of an AI-based approach to improve the shared decision-making process and outcomes in Breast Cancer Patients proposed for Locoregional treatment](#)

ID: 101057389

From: 1 June 2022 to: 31 May 2026

Breast cancer is the most commonly diagnosed cancer, with an estimated 2.3 million new cases per year globally. Approximately 90% of these patients will undergo breast surgery with/without radiation (locoregional treatment). Different surgical techniques can be offered to the...

Coordinated in: Portugal

Programme: [Health](#), [Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine](#)

Last update: 4 September 2022

 Add to my booklet

[BESAFE ARTIFICIAL INTELLIGENCE ENHANCEMENT OF SURGICAL TECHNOLOGY FOR THE REDUCTION OF HUMAN BEHAVIOUR-RELATED SURGICAL ACCIDENTS](#)

ID: 847378

From: 1 May 2019 to: 30 April 2020

BESAFE seeks to support the exploitation of the results from the IBSEN FET project and capture a market opportunity as well as address a poignant societal need, the reduction of intra-operative accidents and surgery costs by means of clinical decision support software.IBSEN...

Coordinated in: Spain

Programme: [EXCELLENT SCIENCE - Future and Emerging Technologies (FET)](#), [FET Open](#)

Last update: 17 August 2022

 Add to my booklet

[TOLIFE Combining Artificial Intelligence and smart sensing TOward better management and improved quality of LIFE in chronic obstructive pulmonary disease](#)
ID: 101057103
From: 1 September 2022 to: 28 February 2027
Chronic obstructive pulmonary disease (COPD) is a highly prevalent chronic condition. While COPD is a lung disease, it is mainly the exacerbations and extrapulmonary comorbidities which affect the quality of life, health care costs, and prognosis. The optimal COPD treatment...
Coordinated in: Italy
Programme: [Health](#), [Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine](#)
Last update: 28 July 2022
 Add to my booklet

[CHAIMELEON Accelerating the lab to market transition of AI tools for cancer management](#)
ID: 952172
From: 1 September 2020 to: 28 February 2025
CHAIMELEON aims to set up a structured repository for health imaging data to be openly reused in AI experimentation for cancer management. An EU-wide repository will be built as a distributed infrastructure in full compliance with legal and ethics regulations in the involved...
Coordinated in: Spain
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Methods and data](#)
Last update: 5 February 2024
 Add to my booklet

[AI tools could offer cancer patients more personalised aftercare](#)
Effectively profiling risks to cancer patients during aftercare, would boost quality of life and survival rates. CLARIFY's artificial intelligence-driven digital tools help clinicians deliver more tailored treatment.
Project: [CLARIFY](#) (ID: 875160)
Available languages:
DEENESFRITPL
Last update: 15 December 2023
 Add to my booklet

[Final Report Summary - NUDGE-IT (The Neurobiology of Decision-Making in Eating - Innovative Tools)](#)
Nudge-it was a multidisciplinary, multinational project funded by the European Union FP7 programme to address the need for a better understanding of the determinants of food choice. The project engaged experts in the neurobiology of motivational behaviour, the neuroscience of...
Project: [NUDGE-IT](#) (ID: 607310)
Programme: [Specific Programme "Cooperation": Food, Agriculture and Biotechnology](#)
Last update: 2 October 2020
 Add to my booklet

[HTx Next Generation Health Technology Assessment to support patient-centred, societally oriented, real-time decision-making on access and reimbursement for health technologies throughout Europe](#)

ID: 825162

From: 1 January 2019 to: 30 June 2024

HTx will create a framework for next generation Health Technology Assessment (HTA) that supports patient-centred, societally oriented, and real-time decision-making for integrated healthcare throughout Europe. HTx will focus on therapeutic areas with high unmet need for which...

Coordinated in: Netherlands

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Health care provision and integrated care](#)

Last update: 2 February 2024

 Add to my booklet

[HBP SGA1 Human Brain Project Specific Grant Agreement 1](#)

ID: 720270

From: 1 April 2016 to: 31 March 2018

Understanding the human brain is one of the greatest scientific challenges of our time. Such an understanding can provide profound insights into our humanity, leading to fundamentally new computing technologies, and transforming the diagnosis and treatment of brain disorders...

Coordinated in: Switzerland

Programme: [EXCELLENT SCIENCE - Future and Emerging Technologies (FET)](#)

Last update: 28 February 2023

 Add to my booklet

[Periodic Reporting for period 2 - PERSIST (Patients-centered SurvivorShIp care plan after Cancer treatments based on Big Data and Artificial Intelligence technologies)](#)

Cancer concerns all European citizens. 40% of us are likely to be affected and we all know someone who developed the disease. In 2020, 19.3 million of new cases appeared and there were 9.96 million deaths For a long time, cancer treatment has been the main focus of research...

Project: [PERSIST](#) (ID: 875406)

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#)

Last update: 3 June 2022

 Add to my booklet

[FrailSafe Sensing and predictive treatment of frailty and associated co-morbidities using advanced personalized patient models and advanced interventions](#)

ID: 690140

From: 1 January 2016 to: 30 April 2019

Ageing population is steeply increasing worldwide. A consequence of age related decline is the clinical condition of frailty. Frailty is a biological syndrome of decreased reserve and resistance to stressors, resulting from cumulative declines across multiple physiologic...

Coordinated in: Greece

Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Active ageing and self-management of health
Last update: 8 September 2023
 Add to my booklet

PROJECT

REACH2020 Responsive Engagement of the Elderly promoting Activity and Customized Healthcare
ID: 690425
From: 1 February 2016 to: 31 January 2020
The health expenditure in the EU is expected to rise by 350% by 2050 compared to an economic expansion of only 180% and the provision of Long Term Care (LTC) will pose an increasing challenge to the sustainability of public finances in the EU, due to an ageing population...
Coordinated in: Germany
Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Active ageing and self-management of health
Last update: 17 August 2022
 Add to my booklet

REPORT SUMMARY
PROJECT

Periodic Reporting for period 1 - BRAINTEASER (BRinging Artificial INTelligencE home for a better cAre of amyotrophic lateral sclerosis and multiple SclERosis)
- BRAINTEASER is a 48 months project that started on January 1st 2021, co-funded by the European Union's Horizon 2020 research (grant agreement No 101017598) under the domain of the Health, demographic change and well-being. The BRAINTEASER Project driven by 11 partners from 6...
- Project: BRAINTEASER (ID: 101017598)
- Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being
- Last update: 9 May 2022
- Add to my booklet

- INTERVENE International consortium for integrative genomics prediction
- ID: 101016775
- From: 1 January 2021 to: 31 December 2025
- The aim of INTERVENE is to develop and test next generation tools for disease prevention, diagnosis, and personalised treatment utilizing the first US-European pool of genomic and health data and integrating longitudinal and disease-relevant -omics data into genetic risk...
- Coordinated in: Finland
- Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Methods and data
- Last update: 28 December 2023
- Add to my booklet

[AI4HEALTHSEC A Dynamic and Self-Organized Artificial Swarm Intelligence Solution for Security and Privacy Threats in Healthcare ICT Infrastructures](#)
ID: 883273
From: 1 October 2020 to: 31 December 2023
The increasing interconnection of technology in healthcare between devices at the physical and cyber levels has transformed these infrastructures into large Health Care Information Infrastructures. Such HCIIs are considered critical and sensitive infrastructures due to their...
Coordinated in: Italy
Programme: [Ensure privacy and freedom, including in the Internet and enhance the societal, legal and ethical understanding of all areas of security, risk and management](#), [Improve cyber security](#), [Secure societies - Protecting freedom and security of Europe and its citizens](#)
Last update: 18 December 2023
 Add to my booklet

PROJECT

[FAITH a Federated Artificial Intelligence solution for moniToring mental Health status after cancer treatment](#)
ID: 875358
From: 1 January 2020 to: 30 June 2024
The main aim of FAITH is to apply the latest Artificial Intelligence (AI) and Big Data analytics techniques to better model and predict disease/treatment trajectories of cancer patients, with the goal of improving their quality of life and aftercare. To protect privacy of the...
Coordinated in: Ireland
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Improving halth information and better use of health data](#), [Transferring knowledge to clinical practice and scalable innovation actions](#)
Last update: 5 February 2024
 Add to my booklet

PROJECT

[IM-TWIN from Intrinsic Motivations to Transitional Wearable INtelligent companions for autism spectrum disorder](#)
ID: 952095
From: 1 November 2020 to: 31 October 2023
The IM-TWIN project aims to develop some of the outcomes of the FET GOAL-Robots project towards market exploitation. The basic-research FET GOAL-Robots project aimed to study how intrinsic motivations ("curiosity") drive exploration and learning in children, and how such...
Coordinated in: Italy
Programme: [EXCELLENT SCIENCE - Future and Emerging Technologies (FET)](#), [FET Proactive](#)
Last update: 26 February 2023
 Add to my booklet

REPORT SUMMARY
PROJECT

[ORACLE Optimize risk prediction after myocardial infarction through artificial intelligence and multidimensional evaluation](#)
ID: 101117469
From: 1 April 2024 to: 31 March 2029

Myocardial infarction (MI) is a leading cause of death worldwide. After MI, long-term antithrombotic therapy is crucial to prevent recurrent events, but increases bleeding, that also impacts morbidity and mortality. Giving these competing risks prediction tools to forecast...

Coordinated in: Spain

Programme: [European Research Council (ERC)](#)

Last update: 26 December 2023

 Add to my booklet

PROJECT

[WellCO Wellbeing and Health Virtual Coach](#)

ID: 769765

From: 1 December 2017 to: 31 January 2021

WellCo delivers a radical new ICT-based solution in the provision of personalised advice, guidance and follow-up of users for the adoption of healthier behaviour choices that help them to maintain or improve their physical cognitive, mental and social well-being for as long as...

Coordinated in: Spain

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Active ageing and self-management of health](#)

Last update: 22 August 2022

 Add to my booklet

[RADAR-CNS Remote Assessment of Disease and Relapse in Central Nervous System Disorders](#)

ID: 115902

From: 1 April 2016 to: 31 March 2022

Background: Long term conditions require monitoring of patients, traditionally conducted in the clinic, to monitor treatment effects, adverse events and disease course. This can be inefficient and cumbersome – clinic visits may be too infrequent to identify individuals at...

Coordinated in: United Kingdom

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Innovative Medicines Initiative 2 (IMI2)](#)

Last update: 2 February 2024

 Add to my booklet

PROJECT

[HeartMan Personal Decision Support System For Heart Failure Management](#)

ID: 689660

From: 1 January 2016 to: 30 April 2019

1–2% of the developed world suffers from congestive heart failure (CHF), which is the most frequent cause of hospitalization in people aged over 65. CHF management involves medications, monitoring of fluid intake and weight, exercise and lifestyle modifications. Since most...

Coordinated in: Slovenia

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Active ageing and self-management of health](#)

Last update: 15 August 2022

 Add to my booklet

[HBM4EU European Human Biomonitoring Initiative](#)

ID: 733032

From: 1 January 2017 to: 30 June 2022

The overarching goal of the European Human Biomonitoring Initiative (HBM4EU) is to generate knowledge to inform the safe management of chemicals and so protect human health. We will use human biomonitoring to understand human exposure to chemicals and resulting health impacts...
Coordinated in: Germany
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](), [Preventing disease]()
Last update: 8 December 2023
 Add to my booklet

PROJECT

[Periodic Reporting for period 1 - WARIFA (Watching the risk factors: Artificial intelligence and the prevention of chronic conditions)]()
The United Nations has specifically addressed the need for preventing noncommunicable diseases in their "2030 agenda for sustainable development". WHO defines noncommunicable diseases as Chronic Conditions (CCs) caused by a combination of genetic, physiological, environmental...
Project: [WARIFA]() (ID: 101017385)
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being]()
Last update: 16 April 2023
 Add to my booklet

PROJECT

[Breast cancer: EU funding for new tools and solutions]()

Breast cancer claims the lives of more European women than any other cancer: one in eight women in the EU will develop breast cancer before the age of 85. Data from the European Cancer Information System (ECIS) indicate more than 400 000 new cases were diagnosed in 2018. By improving the quality of breast cancer services in Europe, the European Commission Initiative on Breast Cancer (ECIBC) aims to help reduce the burden of cancer and decrease the avoidable differences in breast cancer incidence, prevalence, mortality and survival.
Available languages:
DEENESFRITPL
Last update: 18 September 2019
 Add to my booklet

PROJECT

[AI4MED Interdisciplinary Centre for Artificial Intelligence in Medicine]()
ID: 101087535
From: 1 March 2023 to: 29 February 2028
The main aim of this project is to establish a new research center at the Jagiellonian University (JU) in Kraków (Poland). The center will conduct high quality interdisciplinary research connecting artificial intelligence (AI) with healthcare. This group will build on the...
Coordinated in: Poland
Programme: [ERA-Chairs](), [Widening participation and spreading excellence]()
Last update: 10 March 2023
 Add to my booklet

PROJECT

[ARISTOTELES Applying ARtificial Intelligence to Define clinical trajectorieS for personalized predicTiOn and early deTEctiOn of comorbidiTy and muLtimorbidiTy pattErnS]()
ID: 101080189
From: 1 November 2023 to: 31 October 2028

The ARISTOTELES project aims to build a multinational harmonized data platform to develop and implement novel artificial intelligence (AI) approaches for management of complex diseases, where progression and manifestations of comorbidities are via multiple interacting...

Coordinated in: Italy

Programme: [Health](#), [Health throughout the Life Course](#)

Last update: 1 November 2023

 Add to my booklet

[Periodic Reporting for period 2 - CORESMA (COVID-19-Outbreak Response combining E-health, Serolomics, Modelling, Artificial Intelligence and Implementation Research)](#)

The primary main objective of CORESMA is to generate the most needed clinical and epidemiological data required for defining targeted public health measures at national and global level to become effective during this pandemic.The secondary main objective is to develop and...

Project: [CORESMA](#) (ID: 101003480)

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#)

Last update: 27 September 2022

 Add to my booklet

[Final Report Summary - SMART-HIP (Sensor Based Detection of Implant Loosening in Total Hip Replacements)](#)

Ageing, sedentary behavior, and obesity are predictors of osteoarthritis, a Non Communicable Disease which is the leading cause of disability in the developed world, affecting 9.6% of men and 18% of women aged over 60 years, and among the leading conditions causing work...

Project: [SMART-HIP](#) (ID: 606335)

Programme: [Specific Programme "Capacities": Research for the benefit of SMEs](#)

Last update: 26 November 2018

 Add to my booklet

[FrailSafe Sensing and predictive treatment of frailty and associated co-morbidities using advanced personalized patient models and advanced interventions](#)

ID: 690140

From: 1 January 2016 to: 30 April 2019

Ageing population is steeply increasing worldwide. A consequence of age related decline is the clinical condition of frailty. Frailty is a biological syndrome of decreased reserve and resistance to stressors, resulting from cumulative declines across multiple physiologic...

Coordinated in: Greece

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Active ageing and self-management of health](#)

Last update: 8 September 2023

 Add to my booklet

[Periodic Reporting for period 2 - PERSIST (Patients-centered SurvivorShIp care plan after Cancer treatments based on Big Data and Artificial Intelligence technologies)](#)

Cancer concerns all European citizens. 40% of us are likely to be affected and we all know someone who developed the disease. In 2020, 19.3 million of new cases appeared and there were 9.96 million deathsFor a long time, cancer treatment has been the main focus of research...

Project: PERSIST (ID: 875406)

Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being

Last update: 3 June 2022

 Add to my booklet

Final Report Summary - EU CHIC (European Cultural Heritage Identity Card)

Executive Summary:The primary objective of the "European Cultural Heritage Identity Card" (EU-CHIC) project is to propose a strategy, and systems, for the most efficient methods and tools of harmonising criteria and indicators to track changes and interventions on the...

Project: EU CHIC (ID: 226995)

Programme: Specific Programme "Cooperation": Environment (including Climate Change)

Last update: 1 April 2015

 Add to my booklet

REACH2020 Responsive Engagement of the Elderly promoting Activity and Customized Healthcare

ID: 690425

From: 1 February 2016 to: 31 January 2020

The health expenditure in the EU is expected to rise by 350% by 2050 compared to an economic expansion of only 180% and the provision of Long Term Care (LTC) will pose an increasing challenge to the sustainability of public finances in the EU, due to an ageing population...

Coordinated in: Germany

Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Active ageing and self-management of health

Last update: 17 August 2022

 Add to my booklet

Final Report Summary - FOODINTEGRITY (Ensuring the Integrity of the European food chain)

FoodIntegrity is a 5 year, interdisciplinary project funded under Framework 7, that aimed to assure the integrity of our food. The project comprised 60 participants from EU Member States, China and Argentina. FoodIntegrity was commissioned in 2014 against the background of...

Project: FOODINTEGRITY (ID: 613688)

Programme: Specific Programme "Cooperation": Food, Agriculture and Biotechnology

Last update: 3 July 2019

 Add to my booklet

EHDEN European Health Data and Evidence Network

ID: 806968

From: 1 November 2018 to: 31 October 2024

Europe is generating huge amounts of patient-level information contained in Electronic Health Record (EHR) systems and other types of health databases. These include structured

data in the form of diagnoses, medications, laboratory test results, etc., and unstructured data in...
Coordinated in: Netherlands
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Innovative Medicines Initiative 2 (IMI2)](#)
Last update: 1 February 2024
 Add to my booklet

[BigData Heart Big Data 4 Better Hearts - Sofia ref.: 116074](#)
ID: 116074
From: 1 March 2017 to: 28 February 2023
Despite remarkable progress in the management of cardiovascular disease (CVD), major unmet needs remain with regard to mortality, hospitalisations, quality of life (QoL), healthcare expenditures and productivity. Acute coronary syndrome (ACS), atrial fibrillation (AF) and...
Coordinated in: Netherlands
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Innovative Medicines Initiative 2 (IMI2)](#)
Last update: 1 February 2024
 Add to my booklet

[AFFECT-EU DIGITAL, RISK-BASED SCREENING FOR ATRIAL FIBRILLATION IN THE EUROPEAN COMMUNITY](#)
ID: 847770
From: 1 January 2020 to: 31 March 2024
Atrial fibrillation (AF) is an increasingly common arrhythmia in the aging European population. Its prevalence will more than double by the year 2050 affecting 5% of EU women and men aged ≥65 years. AF carries a high risk of stroke, heart failure, and dementia, which result...
Coordinated in: Germany
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Preventing disease](#)
Last update: 12 December 2023
 Add to my booklet

[AIDA Artificial Intelligence Data Analysis](#)
ID: 776262
From: 1 September 2018 to: 28 February 2022
AIDA brings a transformational innovation to the analysis of heliophysics data in four steps. First, AIDA will develop a new open source software called AIDApp written in Python (a free language) and capable of collecting, combining and correlating data from different space...
Coordinated in: Belgium
Programme: [INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies – Space](#), [Enabling exploitation of space data](#)
Last update: 23 December 2022
 Add to my booklet

[HBM4EU European Human Biomonitoring Initiative](#)
ID: 733032

From: 1 January 2017 to: 30 June 2022

The overarching goal of the European Human Biomonitoring Initiative (HBM4EU) is to generate knowledge to inform the safe management of chemicals and so protect human health. We will use human biomonitoring to understand human exposure to chemicals and resulting health impacts...

Coordinated in: Germany

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](), [Preventing disease]()

Last update: 8 December 2023

 Add to my booklet

[Final Report Summary - HERITAGE PLUS (ERA-NET Plus on Cultural Heritage and Global Change Research)]()

Europe's cultural heritage is the world's most diverse and rich patrimony attracting millions of visitors every year to monuments, historical city centres, archaeological sites and museums. Moreover, heritage is an important component of individual and collective identity...

Project: [HERITAGE PLUS]() (ID: 618104)

Programme: [Specific Programme "Cooperation": Environment (including Climate Change)]()

Last update: 7 June 2019

 Add to my booklet

[INTERVENE International consortium for integrative genomics prediction]()

ID: 101016775

From: 1 January 2021 to: 31 December 2025

The aim of INTERVENE is to develop and test next generation tools for disease prevention, diagnosis, and personalised treatment utilizing the first US-European pool of genomic and health data and integrating longitudinal and disease-relevant -omics data into genetic risk...

Coordinated in: Finland

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](), [Methods and data]()

Last update: 28 December 2023

 Add to my booklet

[Periodic Reporting for period 1 - BRAINTEASER (BRinging Artificial INTelligencE home for a better cAre of amyotrophic lateral sclerosis and multiple SclERosis)]()

BRAINTEASER is a 48 months project that started on January 1st 2021, co-funded by the European Union's Horizon 2020 research (grant agreement No 101017598) under the domain of the Health, demographic change and well-being. The BRAINTEASER Project driven by 11 partners from 6...

Project: [BRAINTEASER]() (ID: 101017598)

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being]()

Last update: 9 May 2022

 Add to my booklet

[Final Report Summary - SODSAT (Remote precision management of turf grass sod production by means of artificial intelligence and satellite imaging)]()

Sod or Turf Grass as it is more commonly known, is used extensively in sports and landscaping projects. Although natural sod has been replaced with synthetic turf in some

cases, turf grass still is still the choice for many sports and landscaping projects. Just like any...
Project: SODSAT (ID: 605729)
Programme: Specific Programme "Capacities": Research for the benefit of SMEs
Last update: 12 August 2016
 Add to my booklet

RADAR-CNS Remote Assessment of Disease and Relapse in Central Nervous System Disorders
ID: 115902
From: 1 April 2016 to: 31 March 2022
Background: Long term conditions require monitoring of patients, traditionally conducted in the clinic, to monitor treatment effects, adverse events and disease course. This can be inefficient and cumbersome – clinic visits may be too infrequent to identify individuals at...
Coordinated in: United Kingdom
Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Innovative Medicines Initiative 2 (IMI2)
Last update: 2 February 2024
 Add to my booklet

INTENT Intelligent Instruments: Understanding 21st-Century AI Through Creative Music Technologies
ID: 101001848
From: 1 September 2021 to: 31 August 2026
Artificial Intelligence is becoming increasingly human-like and it is now proficient in a key human activity: musical creativity. But what does this mean? How does creative AI change our notions of art, culture and society? As new machine learning technologies begin to mirror...
Coordinated in: Iceland
Programme: EXCELLENT SCIENCE - European Research Council (ERC)
Last update: 19 August 2022
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IM-TWIN from Intrinsic Motivations to Transitional Wearable INtelligent companions for autism spectrum disorder
ID: 952095
From: 1 November 2020 to: 31 October 2023
The IM-TWIN project aims to develop some of the outcomes of the FET GOAL-Robots project towards market exploitation. The basic-research FET GOAL-Robots project aimed to study how intrinsic motivations ("curiosity") drive exploration and learning in children, and how such...
Coordinated in: Italy
Programme: EXCELLENT SCIENCE - Future and Emerging Technologies (FET), FET Proactive
Last update: 26 February 2023
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Breast cancer: EU funding for new tools and solutions

Breast cancer claims the lives of more European women than any other cancer: one in eight women in the EU will develop breast cancer before the age of 85. Data from the European Cancer Information System (ECIS) indicate more than 400 000 new cases were diagnosed in 2018. By improving the quality of breast cancer services in Europe, the European Commission Initiative on Breast Cancer (ECIBC) aims to help reduce the burden of cancer and decrease the avoidable differences in breast cancer incidence, prevalence, mortality and survival.

Available languages:
DEENESFRITPL
Last update: 18 September 2019
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[ORACLE Optimize risk prediction after myocardial infarction through artificial intelligence and multidimensional evaluation](#)
ID: 101117469
From: 1 April 2024 to: 31 March 2029
Myocardial infarction (MI) is a leading cause of death worldwide. After MI, long-term antithrombotic therapy is crucial to prevent recurrent events, but increases bleeding, that also impacts morbidity and mortality. Giving these competing risks prediction tools to forecast...
Coordinated in: Spain
Programme: [European Research Council (ERC)](#)
Last update: 26 December 2023
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[WellCO Wellbeing and Health Virtual Coach](#)
ID: 769765
From: 1 December 2017 to: 31 January 2021
WellCo delivers a radical new ICT-based solution in the provision of personalised advice, guidance and follow-up of users for the adoption of healthier behaviour choices that help them to maintain or improve their physical cognitive, mental and social well-being for as long as...
Coordinated in: Spain
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Active ageing and self-management of health](#)
Last update: 22 August 2022
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[HeartMan Personal Decision Support System For Heart Failure Management](#)
ID: 689660
From: 1 January 2016 to: 30 April 2019
1–2% of the developed world suffers from congestive heart failure (CHF), which is the most frequent cause of hospitalization in people aged over 65. CHF management involves medications, monitoring of fluid intake and weight, exercise and lifestyle modifications. Since most...
Coordinated in: Slovenia
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Active ageing and self-management of health](#)
Last update: 15 August 2022

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PROJECT

[iHELP Personalised Health Monitoring and Decision Support Based on Artificial Intelligence and Holistic Health Records](#)
ID: 101017441
From: 1 January 2021 to: 30 June 2024

The specific focus of iHELP is on early identification and mitigation of the risks associated with Pancreatic Cancer based on the application of advance AI-based learning and decision support techniques on the historic (primary) data of Cancer patients gathered from...
Coordinated in: Greece
Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Individual awareness and empowerment for self-management of health
Last update: 24 January 2024
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RADAR-CNS Remote Assessment of Disease and Relapse in Central Nervous System Disorders
ID: 115902
From: 1 April 2016 to: 31 March 2022
Background: Long term conditions require monitoring of patients, traditionally conducted in the clinic, to monitor treatment effects, adverse events and disease course. This can be inefficient and cumbersome – clinic visits may be too infrequent to identify individuals at...
Coordinated in: United Kingdom
Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Innovative Medicines Initiative 2 (IMI2)
Last update: 2 February 2024
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SVDs-at-target Small vessel diseases in a mechanistic perspective: Targets for Intervention Affected pathways and mechanistic exploitation for prevention of stroke and dementia
ID: 666881
From: 1 January 2016 to: 31 December 2021
Stroke and dementia rank among the most pressing health issues in Europe. Cerebral small vessel diseases (SVDs) have emerged as a central link between these two major co-morbidities. SVDs account for more than 30% of strokes and at least 40% of dementia cases. They encounter...
Coordinated in: Germany
Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Understanding health, wellbeing and disease
Last update: 22 January 2023
 Add to my booklet

DIGI-B-CUBE Digital Enterprise Innovations for Bioimaging, Biosensing and Biobanking Industries
ID: 824920
From: 1 May 2019 to: 30 April 2022
DIGI-B-CUBE project aims to unlock the cross-sectoral collaborative potential of SMEs by combining Artificial Intelligence (AI), Cognitive Computing Digital Technologies (CCDT) with the Bioimaging-Biosensing-Biobanking (B-CUBE) and realted industries to deliver market...
Coordinated in: Norway
Programme: INDUSTRIAL LEADERSHIP - Innovation In SMEs, Enhancing the innovation capacity of SMEs
Last update: 29 August 2023
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PREPARE PERSONALIZED REHABILITATION VIA NOVEL AI PATIENT STRATIFICATION STRATEGIES

ID: 101080288

From: 1 June 2023 to: 31 May 2027

PREPARE aims at advancing rehabilitation care for patients with chronic non-communicable diseases. As rehabilitation is a complex, multifaceted, and highly personal process, we currently lack reliable patient stratification and outcome prediction tools. While big data...

Coordinated in: Greece

Programme: Health, Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine

Last update: 29 August 2023

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Final Report Summary - ERRIC (Empowering Romanian Research on Intelligent Information Technologies)

The Faculty of Automatic Control and Computers (A&C) at the University "Politehnica" of Bucharest is already well known as both a national and regional centre of excellence in Intelligent Information Technologies. The main goal of the ERRIC project was to...

Project: ERRIC (ID: 264207)

Programme: Specific Programme "Capacities": Research potential of Convergence Regions

Last update: 7 May 2015

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Periodic Reporting for period 2 - LIVE INCITE (Lifestyle intervention in the perioperative process through digital service)

It is well known that health care outcomes in the perioperative care process correlate with severity of disease, operational procedure and co-morbidity as well as reduced effects of rehabilitation. Only recently, it has been proved that also the lifestyle factors of the...

Project: LIVE INCITE (ID: 727558)

Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being

Last update: 8 April 2022

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RELIEVE First Closed-loop non-Invasive Seizure Prevention System

ID: 101099481

From: 1 April 2023 to: 31 March 2026

The goal of Project RELIEVE is to build the very first non-invasive effective closed-loop monitoring and intervention system for brain-related disorders. The outcomes can be used to treat or manage various psychiatric and neurological disorders. We do this by pushing the...

Coordinated in: Czechia

Programme: The European Innovation Council (EIC)

Last update: 24 February 2023

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Reducing the risk of surgical error

New technology aims to reduce the risk of surgical error by using a combination of artificial intelligence and intraoperative neuromonitoring systems.

Project: BESAFE (ID: 847378)

Available languages:

Last update: 5 October 2020
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AMPLify Allocation Made PracticaL
ID: 670077
From: 1 June 2016 to: 31 May 2021
Allocation Made PracticaLThe AMPLify project will lay the foundations of a new field, computational behavioural game theory that brings a computational perspective, computational implementation, and behavioural insights to game theory. These foundations will be laid by...
Coordinated in: Germany
Programme: EXCELLENT SCIENCE - European Research Council (ERC)
Last update: 23 July 2023
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COVIRNA A diagnostic test to improve surveillance and care of COVID-19 patients
ID: 101016072
From: 1 November 2020 to: 30 April 2023
Coronavirus disease 2019 (COVID-19) caused by infection with SARS coronavirus 2 (SARS-CoV-2) has reached pandemic proportions with more than 7 million people infected and 0.4 million people killed worldwide. Death rates are accentuated by cardiovascular comorbidities and...
Coordinated in: Luxembourg
Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being
Last update: 28 December 2023
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TOXI-triage INTEGRATED AND ADAPTIVE RESPONSES TO TOXIC EMERGENCIES FOR RAPID TRIAGE: ENGINEERING THE ROADMAP FROM CASUALTY TO PATIENT TO SURVIVOR.
ID: 653409
From: 1 September 2015 to: 30 September 2019
The seven specific objectives of TOXI-triage address the operational; technological; ethical and societal dimensions of CBRN response and recovery, and importantly the economic base from which sustainable CBRN and multi-use systems are derived.19 partners in 4 Task forces will...
Coordinated in: United Kingdom
Programme: Secure societies - Protecting freedom and security of Europe and its citizens
Last update: 23 August 2022
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HIPPOCRATES Health Initiatives in Psoriasis and PsOriatic arthritis ConsoRTium European States
ID: 101007757
From: 1 July 2021 to: 30 June 2026

Psoriatic Arthritis (PsA) is a clinically heterogeneous disease associated with diminished quality of life. Early diagnosis is challenging and prediction of natural history or therapeutic response to treatment is suboptimal: these represent critical, contemporary unmet...
Coordinated in: Ireland
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](), [Innovative Medicines Initiative 2 (IMI2)]()
Last update: 28 December 2023
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PROJECT

[EUCAN-Connect A federated FAIR platform enabling large-scale analysis of high-value cohort data connecting Europe and Canada in personalized health]()
ID: 824989
From: 1 January 2019 to: 31 December 2023
Rapid progress in information and biotechnologies offers the promise of better, personalized health strategies using rich phenotypic, environmental and molecular (omics) profiles of every individual. To capitalize on this great promise, key challenge is to relate these...
Coordinated in: Netherlands
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](), [Methods and data]()
Last update: 1 February 2024
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PROJECT

[TeNDER affecTive basEd iNtegrateD carE for betteR Quality of Life]()
ID: 875325
From: 1 November 2019 to: 30 April 2023
With an increasingly growing population in Europe, cognitive impairments as well as heart diseases are a major social and health issue. 1.2 million people in Europe are affected by Parkinson's disease (PD) while Alzheimer's disease remains one of the biggest global public...
Coordinated in: Spain
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](), [Active ageing, independent and assisted living](), [Optimising the efficiency and effectiveness of healthcare provision and reducing inequalities by evidence based decision making and dissemination of best practice, and innovative technologies and approaches]()
Last update: 18 December 2023
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PROJECT DESCRIPTION

[Predicting the aesthetic outcome of breast cancer surgery]()
Project: [CINDERELLA]() (ID: 101057389)
Programme: [Health]()
Available languages:
DEENESFRITPL
Last update: 30 January 2023

REPORT SUMMARY

[Final Report Summary - BIOSCENT (BIOactive highly porous and injectable Scaffolds controlling stem cell recruitment, proliferation and differentiation and enabling angiogenesis for Cardiovascular ENgineered Tissues)]()
Congenital and acquired diseases of the heart, such as heart valve deterioration, large artery dysfunction and coronary artery blockage, are the leading causes of morbidity and mortality in Europe today, being the first cause of death in people above 60 years...
Project: [BIOSCENT]() (ID: 214539)

Programme: Specific Programme "Cooperation": Nanosciences, Nanotechnologies, Materials and new Production Technologies
Last update: 20 January 2015
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The intrauterine link between maternal and child obesity

A better understanding of the link between maternal and offspring obesity could lead to more accurate and earlier identification of the women and infants most at risk, leading to tailored antenatal care.
Project: ObesityDevelop (ID: 669545)
Available languages:
DEENESFRITPL
Last update: 22 February 2022
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Final Report Summary - EURIPIDES (European research initiative to develop imaging probes for early in-vivo diagnosis and evaluation of response to therapeutic substances)
Executive summary: Drug resistance is an important clinical problem. Globally, 50,000,000 people have epilepsy: current treatments are ineffective in 30%. Drug resistance is associated with higher rates of: unemployment, disadvantage, injury, somatic co-morbidity (affecting m...
Project: EURIPIDES (ID: 201380)
Programme: Specific Programme "Cooperation": Health
Last update: 1 July 2013
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Periodic Reporting for period 2 - BigMedilytics (Big Data for Medical Analytics)
The healthcare sector currently accounts for 10% of the EU's GDP. To improve productivity of the healthcare sector, it is necessary to reduce cost while maintaining or improving the quality of care. The most effective way to achieve this, is to use the knowledge that is...
Project: BigMedilytics (ID: 780495)
Programme: INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)
Last update: 22 November 2022
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sustAGE Smart environments for person-centered sustainable work and well-being WISDOM Well-being improvement through the Integration of healthcare and reSearch Data and models with Out border for chronic iMmune-mediated diseases
ID: 101137154
From: 1 December 2023 to: 30 November 2028
Enabling integration of medical and research data, secure data sharing and leveraging responsible state-of-the-art artificial intelligence (AI)-mediated models opens immense possibilities to mitigate the impact of chronic immune-mediated diseases (CIMDs) affecting 10% of...
Coordinated in: Sweden
Programme: Health, Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine

Last update: 18 January 2024

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[Periodic Reporting for period 1 - BRAINTEASER (BRinging Artificial INTelligencE home for a better cAre of amyotrophic lateral sclerosis and multiple SclERosis)](#)

BRAINTEASER is a 48 months project that started on January 1st 2021, co-funded by the European Union's Horizon 2020 research (grant agreement No 101017598) under the domain of the Health, demographic change and well-being. The BRAINTEASER Project driven by 11 partners from 6...

Project: [BRAINTEASER](#) (ID: 101017598)

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#)

Last update: 9 May 2022

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[Periodic Reporting for period 1 - CANCER-RADIOMICS (Deep Learning for Automated Quantification of Radiographic Tumor Phenotypes)](#)

What is the problem being addressed? One important reason for the slow progress in the fight against cancer, is the fact that cancer is a "moving target". It is constantly evolving and diversifying, changing its phenotype, its genomic composition, and through metastatic...

Project: [CANCER-RADIOMICS](#) (ID: 866504)

Programme: [EXCELLENT SCIENCE - European Research Council (ERC)](#)

Last update: 29 April 2022

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[AI for safer clinical decision-making in rehabilitation](#)
- Project: [AISN](#) (ID: 101057655)
- Programme: [Health](#)
- Available languages:
- DEENESFRITPL
- Last update: 24 April 2023
-

[Periodic Reporting for period 3 - FeatureCloud (Privacy preserving federated machine learning and blockchaining for reduced cyber risks in a world of distributed healthcare)](#)
- The digital revolution, in particular big data and artificial intelligence (AI), offers new opportunities to transform healthcare. However, it also harbours risks to the safety of sensitive clinical data stored in critical healthcare information and communication...
- Project: [FeatureCloud](#) (ID: 826078)
- Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#)
- Last update: 28 November 2022
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[AI-PATH Artificial intelligence expert to boost growth of a high-potential digital diagnostics start-up](#)
- ID: 957075
- From: 1 October 2020 to: 31 January 2022
- Ellogon AI is an innovative start-up established in 2019 as a spin-off from University of Amsterdam, by leading academic experts in artificial intelligence, medical imaging,

and computational pathology. The company develops a unique approach to analysis of complex...

- Coordinated in: Netherlands
- Programme: [INDUSTRIAL LEADERSHIP - Innovation In SMEs](#), [Enhancing the innovation capacity of SMEs](#)
- Last update: 27 December 2023
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Last update Title

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[COVID-X COVID eXponential Programme](#)
ID: 101016065
From: 1 November 2020 to: 31 October 2022
COVID-X will bridge the collaboration divide between eHealth solution providers -with emphasis on lean startups and small and medium-sized enterprises (SMEs)-, and the healthcare professional system to fight COVID-19. The purpose is to boost an end-to-end agile validation...
Coordinated in: Ireland
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#)
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[WISDOM Well-being improvement through the Integration of healthcare and reSearch Data and models with Out border for chronic iMmune-mediated diseases](#)
ID: 101137154
From: 1 December 2023 to: 30 November 2028
Enabling integration of medical and research data, secure data sharing and leveraging responsible state-of-the-art artificial intelligence (AI)-mediated models opens immense possibilities to mitigate the impact of chronic immune-mediated diseases (CIMDs) affecting 10% of...
Coordinated in: Sweden
Programme: [Health](#), [Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine](#)
Last update: 18 January 2024
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PROJECT

[PHIRE Photoacoustic imaging and artificial intelligence-based theranostic approach for cancer](#)
ID: 101113193
From: 1 September 2023 to: 31 August 2026
"Health programs crave for diagnostic imaging and eradication of chemoresistant neoplastic lesions smaller than 1 mm of size. PHIRE, based on the outcomes from EDIT (FET-OPEN-RIA, GA#801126), aims at bringing closer to market a novel high-resolution theranostic medical device...
Coordinated in: Italy
Programme: [The European Innovation Council (EIC)](#)
Last update: 11 July 2023
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PROJECT

[BAHCI Bringing a health claim to information: Measuring the impact of health data on the health outcomes of European citizens](#)
ID: 795051
From: 1 August 2018 to: 31 July 2020
European Union Members States (EU-MS) share similar levels of development and access to care. Yet, key population health indicators vary widely across countries. The societal burden of these inequalities is high, and leveraging evidence to achieve better health outcomes is a...
Coordinated in: Belgium
Programme: [EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions](#), [Nurturing excellence by means of cross-border and cross-sector mobility](#)
Last update: 17 August 2022
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[FORGETDIABETES A BIONIC INVISIBLE PANCREAS TO FORGET DIABETES](#)
ID: 951933
From: 1 October 2020 to: 31 March 2025
FORGETDIABETES introduces a radically new approach to Type 1 Diabetes (T1D) treatment, by developing an immuno-optimized, fully-implantable, fully-automated, Bionic Invisible Pancreas (BIP). BIP targets physiological intraperitoneal hormone delivery, enabling an optimal...
Coordinated in: Italy
Programme: [EXCELLENT SCIENCE - Future and Emerging Technologies (FET)](#), [FET Proactive](#)
Last update: 28 December 2022
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[4D PICTURE Design-based Data-Driven Decision-support Tools: Producing Improved Cancer Outcomes Through User-Centred Research](#)
ID: 101057332
From: 1 October 2022 to: 30 September 2027
Patients with cancer often have to make complex decisions about treatment, with the options varying in risk profiles and effects on survival and quality of life. Data-driven decision-support tools (DSTs) have the potential to empower patients, support personalized care...
Coordinated in: Netherlands
Programme: [Health](#), [Health Care Systems](#)
Last update: 29 July 2022
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[SLEEP REVOLUTION Revolution of sleep diagnostics and personalized health care based on digital diagnostics and therapeutics with health data integration](#)
ID: 965417
From: 1 March 2021 to: 28 February 2025
Obstructive sleep apnea (OSA) is associated with various negative health consequences including increased risk of heart disease, hypertension and daytime sleepiness causing road accidents. The economic burden of OSA is rising as almost 1 billion people worldwide are estimated...
Coordinated in: Iceland
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Methods and data](#)

Last update: 2 January 2024
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[ERIN Ethically Responsible INnovations in reproductive medicine](#)
ID: 952516
From: 1 September 2020 to: 31 December 2023
ERIN project was initiated to spread the academic excellence to University of Tartu (UT) in Estonia as representative of the Widening country, by enhancing networking activities with internationally-leading counterparts, Karolinska Institute (Sweden) and Maastricht University...
Coordinated in: Estonia
Programme: [Twinning of research institutions](#)
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[TOXI-triage INTEGRATED AND ADAPTIVE RESPONSES TO TOXIC EMERGENCIES FOR RAPID TRIAGE: ENGINEERING THE ROADMAP FROM CASUALTY TO PATIENT TO SURVIVOR.](#)
ID: 653409
From: 1 September 2015 to: 30 September 2019
The seven specific objectives of TOXI-triage address the operational; technological; ethical and societal dimensions of CBRN response and recovery, and importantly the economic base from which sustainable CBRN and multi-use systems are derived.19 partners in 4 Task forces will...
Coordinated in: United Kingdom
Programme: [Secure societies - Protecting freedom and security of Europe and its citizens](#)
Last update: 23 August 2022
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[DIGIPARENT DIGIPARENT - Implementation, personalization and genetics of digitally assisted parent training intervention to improve child mental health services.](#)
ID: 101020767
From: 1 November 2021 to: 31 October 2026
Childhood disruptive behavior problems pose huge challenge to societies given the high lifetime burden and costs associated. Mounting evidence shows that parent training is the most effective psychosocial treatment for these problems. However, most parents in need of such...
Coordinated in: Finland
Programme: [EXCELLENT SCIENCE - European Research Council (ERC)](#)
Last update: 25 May 2022
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[PRE-IMAGE Pre-transplant Renal Ex vivo Imaging and Multi-omics for Advanced Graft Evaluation](#)
ID: 851368
From: 1 November 2020 to: 31 October 2025
There is a considerable shortage of deceased donor kidneys. Hence, more organs of marginal quality need to be considered for transplantation. Transplant centers are increasingly utilizing ex vivo normothermic machine perfusion to better preserve donor kidneys prior to...

Coordinated in: Netherlands
Programme: [EXCELLENT SCIENCE - European Research Council (ERC)](#)
Last update: 5 April 2023
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[InstrAct From instructions to actions: characterizing the spatiotemporal neural signatures of instructions following.](#)
ID: 835767
From: 1 January 2020 to: 31 December 2021
From air traffic control to large surgery teams, some of the most advanced human collaborative achievements largely rely on our ability to successfully give and follow instructions. Given the combination of novelty, speed, complexity and efficiency, significant effort has been...
Coordinated in: Belgium
Programme: [EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions](#), [Nurturing excellence by means of cross-border and cross-sector mobility](#)
Last update: 24 July 2023
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[dAIbetes Federated virtual twins for privacy-preserving personalised outcome prediction of type 2 diabetes treatment](#)
ID: 101136305
From: 1 January 2024 to: 31 December 2028
Virtual twins may be used as prognostic tools in precision medicine for personalised disease management. However, their training is a data hungry endeavour requiring big data to be integrated across diverse sources, which in turn is hampered by privacy legislation such as the...
Coordinated in: Germany
Programme: [Health](#), [Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine](#)
Last update: 8 January 2024
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[eCAP eCAP - Ehealth CAPsule for digestive disease diagnostics and therapy](#)
ID: 101057525
From: 1 May 2022 to: 30 April 2026
eCAP aims to deliver a novel medical device which combines a smart capsule with an e-health platform for better diagnostics, patient empowered disease management and hence, improved outcomes for patients with gastrointestinal (GI) diseases. Our project will create a modular...
Coordinated in: France
Programme: [Health](#), [Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine](#)
Last update: 29 July 2022
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[PrECISE PERSONALIZED ENGINE FOR CANCER INTEGRATIVE STUDY AND EVALUATION](#)
ID: 668858
From: 1 January 2016 to: 31 December 2018

Despite of their great promise, high-throughput technologies in cancer research have often failed to translate to major therapeutic advances in the clinic. One challenge has been tumour heterogeneity, where multiple competing subclones coexist within a single tumour. Genomic...

Coordinated in: Austria

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Understanding health, wellbeing and disease](#)

Last update: 15 August 2022

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[MES-CoBraD Multidisciplinary Expert System for the Assessment & Management of Complex Brain Disorders](#)

ID: 965422

From: 1 April 2021 to: 30 September 2024

The Multidisciplinary Expert System for the Assessment & Management of Complex Brain Disorders (MES-CoBraD) is an interdisciplinary project combining Real-World Data (RWD) from multiple clinical and consumer sources through comprehensive, cost-efficient, and fast protocols...

Coordinated in: Greece

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Methods and data](#)

Last update: 2 January 2024

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PROJECT

[Homi-lung Long-term alterations of host-microbiome interactions and cardiovascular and respiratory diseases progression after pneumonia](#)

ID: 101137148

From: 1 January 2024 to: 31 December 2028

Challenges. The incidence of cardiovascular diseases (CVD) increases after infections, but causal mechanisms are not understood yet. Pneumonia, which can be acquired in the community (such as flu and COVID-19) or during hospitalization, is a leading cause of infectious...

Coordinated in: France

Programme: [Health](#), [Non-Communicable and Rare Diseases](#), [Infectious Diseases, including poverty-related and neglected diseases](#)

Last update: 17 January 2024

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PROJECT

[STOP STop Obesity Platform](#)

ID: 823978

From: 1 March 2019 to: 28 February 2023

The STOP project will bring together an interdisciplinary and intersectoral group of subject matter experts from industry and academia under one umbrella, to address the health societal challenge of obesity with the specific objectives of mitigating the enormous and growing...

Coordinated in: Germany

Programme: [EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions](#), [Stimulating innovation by means of cross-fertilisation of knowledge](#)

Last update: 6 February 2024

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[PANCAIM Pancreatic cancer AI for genomics and personalized Medicine](#)
ID: 101016851
From: 1 January 2021 to: 31 December 2024
The central PANCAIM concept is to successfully exploit available genomic and clinical data to improve personalized medicine of pancreatic cancer. PANCAIM's concept is unique as it integrates the whole spectrum of genomics with radiomics and pathomics, the three future...
Coordinated in: Netherlands
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Methods and data](#)
Last update: 28 December 2023

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[TAXINOMISIS A multidisciplinary approach for the stratification of patients with carotid artery disease](#)
ID: 755320
From: 1 January 2018 to: 31 December 2023
Carotid artery disease, the primary trigger of ischaemic cerebrovascular events including stroke, causes major morbidity, mortality and healthcare costs worldwide. Still, treatment is based on criteria established in the 90s that do not take into account the molecular...
Coordinated in: Greece
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Understanding health, wellbeing and disease](#)
Last update: 1 February 2024

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[CARE-KNEEOA In Silico Clinically-Viable Assistive Tools for Prediction and Rehabilitation of Knee Osteoarthritis](#)
ID: 101108335
From: 1 September 2024 to: 31 August 2027
Knee osteoarthritis (KOA) is a leading cause of disability worldwide, with ~14% prevalence in Europeans aged over 40. KOA prevalence continues to rise, thus far, with no cure or proven prevention protocols. Nonetheless, an aberrant knee mechanobiological environment is known...
Coordinated in: Finland
Programme: [Marie Skłodowska-Curie Actions (MSCA)](#)
Last update: 8 December 2023

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[INDIGO Innovative Training & Decision Support for Emergency operations](#)
ID: 242341
From: 1 May 2010 to: 30 April 2013
The INDIGO project aims to research, develop and validate an innovative system integrating the latest advances in Virtual Reality, Simulation and Artificial Intelligence in order to homogenise and enhance both the operational preparedness and the management of an actual compl...
Coordinated in: France

Programme: [Specific Programme "Cooperation": Security](#)
Last update: 16 July 2019
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[RE-SAMPLE RE-SAMPLE](#)
ID: 965315
From: 1 March 2021 to: 28 February 2025
Multi-morbid complex chronic conditions (CCCs) are highly prevalent in patients with Chronic Obstructive Pulmonary Disease (COPD). As they have common risk factors and overlapping symptoms, this easily leads to delay of appropriate treatment. Timely and preventive care is...
Coordinated in: Netherlands
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Methods and data](#)
Last update: 27 December 2023
 Add to my booklet

[IMPACT Cardiogenomics meets Artificial Intelligence: a step forward in arrhythmogenic cardiomyopathy diagnosis and treatment](#)
ID: 101115536
From: 1 October 2023 to: 30 September 2026
Arrhythmogenic cardiomyopathy (ACM) is a genetic disease characterized by progressive cardiomyocyte loss and fibrofatty replacement, which in turn lead to the occurrence of ventricular arrhythmias and sudden cardiac death (SCD), particularly in the young and athletes. At...
Coordinated in: Italy
Programme: [The European Innovation Council (EIC)](#)
Last update: 28 June 2023
 Add to my booklet

[SynaNet Neurologic and Psychiatric Disorders: from synapses to networks](#)
ID: 692340
From: 1 January 2016 to: 31 December 2018
Neurologic and Psychiatric Disorders: from synapses to networks (SynaNet) aims to promote collaborative multidisciplinary and translational research by enhancing effective knowledge transfer, exchange of best research practices, and the mobility of early stage researchers...
Coordinated in: Portugal
Programme: [Twinning of research institutions](#)
Last update: 11 September 2023
 Add to my booklet

[REALMENT Using real-world big data from eHealth, biobanks and national registries, integrated with clinical trial data to improve outcome of severe mental disorders](#)
ID: 964874
From: 1 June 2021 to: 31 May 2025

Mental disorders represent one of the largest burdens for the European Health Care system, due to large number of patients and a lack of efficient treatment options. Today, drug treatment of mental disorders is characterized by severe adverse effects and suboptimal response in...

Coordinated in: Norway

Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Methods and data

Last update: 27 December 2023

 Add to my booklet

PROJECT

BornToGetThere Implementation of early detection and early intervention service delivery in infants at risk for cerebral palsy to promote infants' psychomotor development and maternal health

ID: 848201

From: 1 January 2020 to: 31 December 2024

Despite advances in the medical management of high-risk pregnancies and deliveries, cerebral palsy (CP) remains the most common physical disability in childhood in high and low-to-middle income (LMIC). In addition, caregivers of children with CP are at higher risk of...

Coordinated in: Italy

Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Health care provision and integrated care

Last update: 12 December 2023

 Add to my booklet

PROJECT
PROJECT

i-PROGNOSIS Intelligent Parkinson eaRly detectiOn Guiding NOvel Supportive InterventionS

ID: 690494

From: 1 February 2016 to: 31 January 2020

Transition from healthy status to Parkinson's Disease (PD) is vaguely tractable, since symptoms can be so subtle in the early stages that they go unnoticed. Lack of biomarkers and/or findings on routine MRI and CT scans, PD is left undiagnosed for years, gradually affecting...

Coordinated in: Greece

Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Active ageing and self-management of health

Last update: 7 September 2023

 Add to my booklet

PROJECT

RADAR-AD Remote Assessment of Disease and Relapse – Alzheimer's Disease

ID: 806999

From: 1 January 2019 to: 30 June 2023

There is an urgent need for novel approaches assessing functional decline in early AD. The main goal of the RADAR-AD project is to develop a digital platform to detect subtle functional deficits in early Alzheimer's disease (AD) individuals by integrating a meaningful...

Coordinated in: United Kingdom

Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Innovative Medicines Initiative 2 (IMI2)

Last update: 28 December 2023

PROJECT

[CONTROL-MYOPIA Myopia control in the real world: treatments, target, timing, and terminus](#)
ID: 101098324
From: 1 October 2023 to: 30 September 2028
Background: Myopia, or near-sightedness, is increasing dramatically all over the world, mostly due to higher levels of education and changing lifestyles of young generations. The expectation is that half of the world's citizens will be myopic by 2050. Myopia-related...
Coordinated in: Netherlands
Programme: [European Research Council (ERC)](#)
Last update: 4 October 2023

PROJECT

[IM-TWIN from Intrinsic Motivations to Transitional Wearable INtelligent companions for autism spectrum disorder](#)
ID: 952095
From: 1 November 2020 to: 31 October 2023
The IM-TWIN project aims to develop some of the outcomes of the FET GOAL-Robots project towards market exploitation. The basic-research FET GOAL-Robots project aimed to study how intrinsic motivations ("curiosity") drive exploration and learning in children, and how such...
Coordinated in: Italy
Programme: [EXCELLENT SCIENCE - Future and Emerging Technologies (FET)](#), [FET Proactive](#)
Last update: 26 February 2023

PROJECT

[ProACT Integrated Technology Ecosystem for ProACTive Patient Centred Care](#)
ID: 689996
From: 1 January 2016 to: 31 August 2019
ProACT targets Europe's 50 million multimorbid patients to proactively self-manage and offset the EU's annual €700billion cost of chronic disease management. ProACT aims at providing and evaluating an open application programming interface to integrate a variety of new...
Coordinated in: Ireland
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Health care provision and integrated care](#)
Last update: 17 August 2022

PROJECT
PROJECT

[PD_manager mhealth platform for Parkinson's disease management](#)
ID: 643706
From: 1 January 2015 to: 31 March 2018
PD_manager aims to build and evaluate an innovative, mhealth, patient centric ecosystem for Parkinson's disease (PD) management. The analysis of experts' diagnostic behaviour and the decomposition of tasks undertaken by the various actors during the disease management will...
Coordinated in: Slovenia

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](), [Active ageing and self-management of health]()
Last update: 17 August 2022
 Add to my booklet

PROJECT

[CORE-MD Coordinating Research and Evidence for Medical Devices]()
ID: 965246
From: 1 April 2021 to: 31 March 2024
CORE–MD will translate expert scientific and clinical evidence on study designs for evaluating high-risk medical devices into advice for EU regulators, to achieve an appropriate balance between innovation, safety, and effectiveness. A unique collaboration between medical...
Coordinated in: France
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](), [Methods and data]()
Last update: 28 December 2023
 Add to my booklet

PROJECT

[SEURO Scaling EUROpean citizen driven transferable and transformative digital integrated health and social care]()
ID: 945449
From: 3 May 2021 to: 2 May 2024
SEURO targets Europe's 50 million multimorbid patients to proactively self-manage and offset the EU's annual €700 billion cost of chronic disease management. SEURO aims to evaluate key factors to prepare organisations, localities and regions across the EU to scale...
Coordinated in: Ireland
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](), [Methods and data]()
Last update: 27 December 2023
 Add to my booklet

PROJECT

[BETTER Better rEal-world healTh-daTa distributEd analytics Research platform]()
ID: 101136262
From: 1 December 2023 to: 31 May 2027
In recent years, data-driven medicine has gained increasing importance in terms of diagnosis, treatment, and research due to the exponential growth of healthcare data. The linkage of cross-border health data from various sources, including genomics, and analysis via innovative...
Coordinated in: Italy
Programme: [Health](), [Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine]()
Last update: 14 November 2023
 Add to my booklet

PROJECT

[STAMINA Demonstration of intelligent decision support for pandemic crisis prediction and management within and across European borders]()
ID: 883441
From: 1 September 2020 to: 28 February 2023
STAMINA develops an intelligent decision support toolset for pandemic prediction and management and demonstrates its use by practitioners at national and regional levels within

and across EU borders. The STAMINA toolset enables national planners and first responders to...
Coordinated in: Greece
Programme: [Secure societies - Protecting freedom and security of Europe and its citizens](), [Increase Europe's resilience to crises and disasters]()
Last update: 19 December 2023
 Add to my booklet

[MLFPM2018 Machine Learning Frontiers in Precision Medicine]()
ID: 813533
From: 1 January 2019 to: 31 March 2024
Healthcare is entering the digital era: More and more patient data, from the molecular level of genome sequences to the level of image phenotypes and health history, are available in digital form. Exploring this big health data promises to reveal new insights into disease...
Coordinated in: Switzerland
Programme: [EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions](), [Fostering new skills by means of excellent initial training of researchers]()
Last update: 13 June 2023
 Add to my booklet

[BD2Decide Big Data and models for personalized Head and Neck Cancer Decision support]()
ID: 689715
From: 1 January 2016 to: 30 September 2019
"Cancers of the Head and Neck Region (HNC) are the 6th more deadly cancers worldwide: in Europe ~150.000 new cases are detected and ~70.000 patients die every year. The main reasons for high mortality are the fact that the majority of cases are diagnosed in advanced Stage and...
Coordinated in: Italy
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](), [Methods and data]()
Last update: 15 August 2022
 Add to my booklet

[AI CUrES AI to predict Cancer metastasis using Ultra-Echo-Sono imaging]()
ID: 101081529
From: 1 November 2022 to: 30 April 2024
Cancer metastasis is the leading cause of death within tumor disease and is currently an unmet clinical need. This dramatic clinical evidence requires immediate action in terms of early diagnosis and then pre-emptive therapies, not only for the primary tumor, but especially at...
Coordinated in: Italy
Programme: [European Research Council (ERC)]()
Last update: 16 September 2022
 Add to my booklet

[SARAS Smart Autonomous Robotic Assistant Surgeon]()
ID: 779813
From: 1 January 2018 to: 31 December 2021
Currently during a laparoscopic operation, several units of medical personnel are requested to stay in the operating room for supporting the main surgeon teleoperating the surgical robot. In particular one assistant is always present for taking care of simple surgical...

Coordinated in: Italy
Programme: [INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)](#)
Last update: 25 November 2022
 Add to my booklet

[LifeChamps A Collective Intelligence Platform to Support Cancer Champions](#)
ID: 875329
From: 1 December 2019 to: 30 November 2023
The steady increase in life expectancy, mean age and cancer survivorship across the developed countries together with evidence from cancer and geriatrics care research bring forward the urgent need to deal with the "age issue" as a key component of global cancer care...
Coordinated in: Greece
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Improving halth information and better use of health data](#), [Transferring knowledge to clinical practice and scalable innovation actions](#)
Last update: 18 December 2023
 Add to my booklet

[SGABU Increasing scientific, technological and innovation capacity of Serbia as a Widening country in the domain of multiscale modelling and medical informatics in biomedical engineering](#)
ID: 952603
From: 1 October 2020 to: 31 December 2023
University of Kragujevac (UKG), Serbia and specifically the group of Prof. Nenad Filipovic is a research group active in the field of multiscale modeling and medical informatics in biomedical engineering. The group has published numerous studies in scientific journals and has...
Coordinated in: Serbia
Programme: [Twinning of research institutions](#)
Last update: 28 December 2023
 Add to my booklet

[WideHealth Widening Research on Pervasive and eHealth - WideHealth](#)
ID: 952279
From: 1 January 2021 to: 30 June 2023
The WideHealth Project (Widening Research on Pervasive eHealth) will enable research exchanges and training activities on the topic of Pervasive and eHealth. The overarching goal of the project is to enable a new generation of researchers in the Widening Countries to develop...
Coordinated in: North Macedonia
Programme: [Twinning of research institutions](#)
Last update: 27 December 2023
 Add to my booklet

[NOCTURNO Non-Conventional Wave Propagation for Future Sensing and Actuating Technologies](#)
ID: 777714
From: 1 January 2018 to: 30 June 2023
New sensing devices and technologies are the key in addressing numerous challenges that agriculture is facing today. Namely, to provide more food for the ever-growing population, a number of biophysical parameters of plants, soil and food products need to be monitored and...
Coordinated in: Serbia
Programme: [EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions](#), [Stimulating innovation by means of cross-fertilisation of knowledge](#)
Last update: 28 December 2023
 Add to my booklet

PROJECT
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[NeuroDeRisk Neurotoxicity De-Risking in Preclinical Drug Discovery](#)
ID: 821528
From: 1 March 2019 to: 30 September 2022
The adverse effects of pharmaceuticals on the central or peripheral nervous systems are poorly predicted by the current in vitro and in vivo preclinical studies performed during Research and Development (R&D) process. Therefore, increasing the predictivity of the preclinical...
Coordinated in: Austria
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Innovative Medicines Initiative 2 (IMI2)](#)
Last update: 11 December 2023
 Add to my booklet

PROJECT
PROJECT

[PIC Personalised In-Silico Cardiology](#)
ID: 764738
From: 1 September 2017 to: 28 February 2022
Improving healthcare systems mandates a shift towards personalised and preventive management of disease. Specifically, the management of cardiovascular diseases has a huge impact on European society in terms of mortality, morbidity and healthcare costs, being responsible for...
Coordinated in: United Kingdom
Programme: [EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions](#), [Fostering new skills by means of excellent initial training of researchers](#)
Last update: 28 February 2023
 Add to my booklet

PROJECT
PROJECT

[Newlife New remote non-invasive monitoring solutions for ensuring the health of mothers and babies before and after birth](#)
ID: 101095792
From: 1 January 2023 to: 31 December 2025
There is increasing focus on the well being of mothers and babies, both before and after delivery and early detection ofpathologies to prevent mother and perinatal morbidity and

mortality. The overall well being of mothers also has longer termimpact: women who remain healthy...

Coordinated in: Netherlands

Programme: [Digital, Industry and Space](), [Key Digital Technologies]()

Last update: 24 May 2023

 Add to my booklet

[NADIR New directions for deep learning in cancer research through concept explainability and virtual experimentation.]()

ID: 101114631

From: 1 January 2024 to: 31 December 2028

Deep learning (DL) is rapidly transforming cancer research and oncology. DL can extract subtle visual features from preclinical and clinical image data. In my junior research group, I have developed end-to-end DL methods to predict molecular biomarkers and clinical outcomes...

Coordinated in: Germany

Programme: [European Research Council (ERC)]()

Last update: 26 December 2023

 Add to my booklet

[LEGENDARE Leveraging genomic discoveries and skeletal phenotyping to improve osteoporosis patient care]()

ID: 101021500

From: 1 November 2021 to: 31 October 2026

Osteoporosis is a silent, systemic skeletal disease leading to fragility fracture. While the deleterious consequences for the individual, their families and society are well established, the causes of the disease remain elusive. Despite exhaustive clinical, epidemiological and...

Coordinated in: Netherlands

Programme: [EXCELLENT SCIENCE - European Research Council (ERC)]()

Last update: 22 September 2022

 Add to my booklet

[END-VOC ENDING COVID 19 VARIANTS OF CONCERN THROUGH COHORT STUDIES: END-VOC]()

ID: 101046314

From: 1 May 2022 to: 30 April 2025

The END-VOC consortium will support the European and global response to the COVID-19 pandemic and Variants of Concern (VOC) through well characterised cohorts and linked with existing European and international initiatives. END-VOC consists of 19 partners in Europe (UK, Spain...

Coordinated in: United Kingdom

Programme: [Health](), [Infectious Diseases, including poverty-related and neglected diseases]()

Last update: 4 September 2022

 Add to my booklet

[AI-POD Trustworthy AI Tools for the Prediction of Obesity Related Vascular Diseases](#)
ID: 101080302
From: 1 May 2023 to: 30 April 2027
Weight problems and obesity are increasing at a rapid rate already concerning more than 436mio people in European countries. Obese persons have a 50% higher risk of cardio-vascular disease (CVD) mortality and treatment costs result in a total economic burden of over 210...
Coordinated in: Germany
Programme: [Health](#), [Health throughout the Life Course](#)
Last update: 29 June 2023
 Add to my booklet

PROJECT

[MISTRAL a toolkit for dynaMic health Impact analysiS to predicT disability-Related costs in the Aging population based on three case studies of steeL-industry exposed areas in europe](#)
ID: 101095119
From: 1 January 2023 to: 31 December 2026
The environment is one of the most crucial determinants of health. The Global Burden of Disease report estimates an emerging impact in terms of disability and reducing the quality of life worldwide, particularly for the aging populations. One of the root causes of this decline...
Coordinated in: Italy
Programme: [Health](#), [Environmental and Social Health Determinants](#)
Last update: 9 December 2022
 Add to my booklet

PROJECT

[STRATUM 3D Decision Support Tool for Brain Tumor Surgery](#)
ID: 101137416
From: 1 December 2023 to: 30 November 2028
Integrated digital diagnostics can support complex surgeries in many anatomies where brain tumour surgery is one of the most complex cases. Neurosurgeons face several challenges during brain tumour surgeries, such as critical tissue and brain tumour margins differentiation or...
Coordinated in: Spain
Programme: [Health](#), [Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine](#)
Last update: 8 January 2024
 Add to my booklet

PROJECT

[TeleRehaB DSS TeleRehabilitation of Balance clinical and economic Decision Support System](#)
ID: 101057747
From: 1 December 2022 to: 30 November 2025
TeleRehaB DSS targets the promotion of AI adoption in everyday clinical practice for balance rehabilitation training. An AI-based decision support system (DSS) will be developed expanding upon the existing Augmented Reality (AR) rehabilitation training platform, with its...
Coordinated in: Greece
Programme: [Health](#), [Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine](#)
Last update: 16 November 2022
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ALAMEDA Bridging the Early Diagnosis and Treatment Gap of Brain Diseases via Smart, Connected, Proactive and Evidence-based Technological Interventions

ID: 101017558

From: 1 January 2021 to: 31 December 2023

Direct costs of brain disorders make up for 60% of the total costs – which EBC estimated at 800 bln€/year in Europe. At European level, this health budget far exceeds that of cardiovascular diseases, brain diseases and diabetes together. ALAMEDA will research, develop and...

Coordinated in: Greece

Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Individual awareness and empowerment for self-management of health

Last update: 28 December 2023

 Add to my booklet

TRUSTING A TRUSTworthy speech-based AI monitorING system for the prediction of relapse in individuals with schizophrenia

ID: 101080251

From: 1 July 2023 to: 31 December 2028

Schizophrenia affects a staggering 21 million people worldwide, with 80% of these citizens suffering from a relapsing disease, putting their health and safety at enormous risk. Timely detection of these psychotic relapses would require very frequent contact with clinicians...

Coordinated in: Netherlands

Programme: Health, Health throughout the Life Course

Last update: 29 June 2023

 Add to my booklet

REPO4EU Precision drug REPurpOsing For EUrope and the world

ID: 101057619

From: 1 September 2022 to: 31 August 2029

Here we, a group of long-standing collaborators in innovative drug repurposing, propose to build REPO4EU, a comprehensive European/global platform for validated precision drug repurposing open to stakeholders for information, multimedia training, matchmaking and cooperation...

Coordinated in: Netherlands

Programme: Health, Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine

Last update: 4 September 2022

 Add to my booklet

GaitREHub Intelligent Wearable System for Enhanced Personalized Gait Rehabilitation

ID: 101086348

From: 1 January 2023 to: 31 December 2026

One common consequence of specific medical conditions such as stroke or other brain injuries, and certain operations, is the need for post event rehabilitation. In many cases, the inability to walk properly requires professionally monitored gait rehabilitation. Gait...

Coordinated in: Serbia

Programme: Marie Skłodowska-Curie Actions (MSCA)

Last update: 10 October 2022

Add to my booklet

[NextGen NEXT GENERATION TOOLS FOR GENOME-CENTRIC MULTIMODAL DATA INTEGRATION IN PERSONALISED CARDIOVASCULAR MEDICINE](#)
ID: 101136962
From: 1 January 2024 to: 31 December 2027
Healthcare is the fasted growing EU27 expenditure. Personalised medicine, comprising tailored approaches for prevention, diagnosis, monitoring and treatment is essential to reduce the burden of disease and improve the quality of life. Integration of multiple data types...
Coordinated in: Netherlands
Programme: [Health](#), [Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine](#)
Last update: 8 January 2024
 Add to my booklet

[PRE-ACT PRE-ACT: Prediction of Radiotherapy side Effects using explainable AI for patient Communication and Treatment modification](#)
ID: 101057746
From: 1 October 2022 to: 30 September 2027
Radiotherapy is a widely used cancer treatment, however some patients suffer side effects. In breast cancer, side effects can include breast atrophy, arm lymphedema, and heart damage. Some factors that increase risk for side effects are known, but current approaches do not...
Coordinated in: Greece
Programme: [Health](#), [Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine](#)
Last update: 4 September 2022
 Add to my booklet

[HERMES Hybrid Enhanced Regenerative Medicine Systems](#)
ID: 824164
From: 1 January 2019 to: 31 December 2024
Brain disorders are the most invalidating condition, exceeding HIV, cancer and heart ischemia, with significant impact on society and public health. Regenerative medicine is a promising branch of health science that aims at restoring brain function by rebuilding brain tissue...
Coordinated in: Italy
Programme: [EXCELLENT SCIENCE - Future and Emerging Technologies (FET)](#), [FET Proactive](#)
Last update: 1 February 2024
 Add to my booklet

[FEMaLe Finding Endometriosis using Machine Learning](#)
ID: 101017562
From: 1 January 2021 to: 31 December 2024
The framework 'P4 Medicine' (predictive, preventative, personalized, participatory) was developed to detect and prevent disease through close monitoring, deep statistical analysis, biomarker testing, and patient health coaching to best use the limited healthcare resources and...
Coordinated in: Denmark

Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Individual awareness and empowerment for self-management of health
Last update: 30 January 2024
 Add to my booklet

PROJECT

ENT1DEP ENTEROVIRUS-LINKED TYPE 1 DIABETES EXPOSED -MECHANISMS AND PREVENTION
ID: 101137457
From: 1 January 2024 to: 31 December 2027
ENT1DEP aims to define causal links between infections and NCDs by focusing on enterovirus (EV) infections and type 1 diabetes (T1D), a robust association without proof of causality. Causality is addressed by a multidisciplinary, multi-layer approach, using in-vitro and...
Coordinated in: Finland
Programme: Health, Non-Communicable and Rare Diseases, Infectious Diseases, including poverty-related and neglected diseases
Last update: 8 January 2024
 Add to my booklet

PROJECT

TROPHY ulTRafast hOlograPHic FTIR microscopY
ID: 101047137
From: 1 September 2022 to: 28 February 2026
Many human pathologies such as cancer are due to complex biochemical alterations that start at a sub-cellular level and lead to progressive changes that result in a heterogeneous tumor composition. The polyclonality of tumor cells hampers the diagnosis and the therapy giving...
Coordinated in: Italy
Programme: The Pathfinder for Advanced Research, The European Innovation Council (EIC)
Last update: 28 July 2022
 Add to my booklet

PROJECT

PAL Personal Assistant for healthy Lifestyle (PAL)
ID: 643783
From: 1 March 2015 to: 28 February 2019
Type 1 Diabetes Mellitus (T1DM) portraits a high need and challenge for self-management by young patients: a complex illness with a high and increasing prevalence, a regimen that needs adaptation to patient's condition and activities, and serious risks for complications and...
Coordinated in: Netherlands
Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Active ageing and self-management of health
Last update: 15 August 2022
 Add to my booklet

PROJECT

AIDD Advanced machine learning for Innovative Drug Discovery
ID: 956832
From: 1 January 2021 to: 31 March 2025
"The dramatic increase in using of Artificial Intelligence (AI) and machine learning methods in different fields of science becomes an essential asset in the development of the chemical industry, including pharmaceutical, agro biotech, and other chemical companies. However...
Coordinated in: Germany

Programme: [EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions](), [Fostering new skills by means of excellent initial training of researchers]()
Last update: 2 January 2024
 Add to my booklet

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[AIDPATH Artificial Intelligence-driven, Decentralized Production for Advanced Therapies in the Hospital]()
ID: 101016909
From: 1 January 2021 to: 31 December 2024
AIDPATH (Artificial Intelligence-driven, Decentralized Production for Advanced Thera-pies in the Hospital) is a high-energy EU consortium, dedicated to enable and to augment the next-generation of personalized medicine at EU hospitals through the use of AI tech-nology. The...
Coordinated in: Germany
Programme: [INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)]()
Last update: 27 December 2023
 Add to my booklet

PROJECT
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[SensCare AI-based wearable sensors for continuous monitoring of diabetes and cardiovascular diseases]()
ID: 101113995
From: 1 July 2023 to: 31 March 2024
Cardiovascular diseases (CVDs) are the leading cause of death in Europe, with a total of 3.9 million deaths yearly, accounting for 45% of all deaths. Diabetes is another widely spread disease affecting 60 million people in the EU (10% of the total population). Diabetes is the...
Coordinated in: Türkiye
Programme: [European innovation ecosystems]()
Last update: 28 June 2023
 Add to my booklet

PROJECT
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[DigitalHealthEurope DigitalHealthEurope: Support to a Digital Health and Care Innovation initiative in the context of Digital Single Market strategy]()
ID: 826353
From: 1 January 2019 to: 30 September 2021
DigitalHealthEurope will provide comprehensive, centralised support to the digital transformation of health and care (DTHC) priorities of the Digital Single Market. The partners bring a broad range of collective knowledge and expertise, originating from the longstanding...
Coordinated in: Germany
Programme: [Improving scientific tools and methods to support policy making and regulatory needs](), [SOCIETAL CHALLENGES - Health, demographic change and well-being](), [Active ageing, independent and assisted living](), [Improving halth information and better use of health data](), [Individual awareness and empowerment for self-management of health]()
Last update: 25 April 2022
 Add to my booklet

[MONALISA A SIOPEN pragmatic clinical trial to MOnitor NeuroblastomA relapse with LIquid biopsy Sensitive Analysis](#)

ID: 101137028

From: 1 January 2024 to: 31 December 2028

High-risk neuroblastoma accounts for 15% of cancer related-deaths in children. Half of the >1500 patients yearly diagnosed with neuroblastoma in the EU have high-risk disease, which will relapse or progress in half these cases after first-line treatment. Relapsed neuroblastoma...

Coordinated in: Belgium

Programme: [Health](#)

Last update: 8 January 2024

 Add to my booklet

[AffecTech Personal Technologies for Affective Health](#)

ID: 722022

From: 1 January 2017 to: 31 March 2021

Personalized health is a European priority and one of the strategic research areas for Horizon 2020. This project advances the state-of-the-art of personal health technologies for affective disorders, estimated to be the highest ranking cause of disease by 2020. It marks a...

Coordinated in: United Kingdom

Programme: [EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions](#), [Fostering new skills by means of excellent initial training of researchers](#)

Last update: 19 October 2022

 Add to my booklet

[PHOOTONICS A Cost-Effective Photonics-based Device for Early Prediction, Monitoring and Management of Diabetic Foot Ulcers](#)

ID: 871908

From: 1 November 2019 to: 30 June 2024

Early prediction and management of Diabetic Foot Ulcers (DFUs) is an important health factor of Europe. Recent clinical trials have concluded that NIR sensing captures oxy(deoxy)haemoglobin (HbO2, Hb) and peripheral/ tissue oxygen saturations (StO2, SpO2), thermal Infrared-IR...

Coordinated in: Lithuania

Programme: [INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)](#)

Last update: 5 February 2024

 Add to my booklet

[AMECRYS Revolutionising Downstream Processing of Monoclonal Antibodies by Continuous Template-Assisted Membrane Crystallization](#)

ID: 712965

From: 1 October 2016 to: 31 March 2021

Separation and purification of biopharmaceuticals is today one of the most time and cost intense Downstream Processing (DSP) operations in the manufacture of commercial products. Separation and purification of proteins is usually achieved chromatographically, with all of its...

Coordinated in: Italy
Programme: [EXCELLENT SCIENCE - Future and Emerging Technologies (FET)](), [FET Open]()
Last update: 23 August 2022
 Add to my booklet

[RAMCIP Robotic Assistant for MCI patients at home]()
ID: 643433
From: 1 January 2015 to: 30 June 2018
RAMCIP will research and develop a novel domestic service robot, with the aim to proactively and discreetly assist older persons, MCI and AD patients in their every day life. Instead of simply being an obedient servant, the RAMCIP robot will have high-level cognitive...
Coordinated in: Greece
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](), [Active ageing and self-management of health]()
Last update: 5 April 2023
 Add to my booklet

[SMART BEAR Smart Big Data Platform to Offer Evidence-based Personalised Support for Healthy and Independent Living at Home]()
ID: 857172
From: 1 September 2019 to: 31 August 2024
It is a fact that the European population growth is slowing down, while the population ageing accelerates. Rapid increases in the elderly population are predicted for the coming decades due to the ageing of post-war baby births. Within Europe's ageing population, Hearing...
Coordinated in: Italy
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](), [Active ageing, independent and assisted living](), [Future Internet: Software, hardware, Infrastructures, technologies and services]()
Last update: 12 December 2023
 Add to my booklet

[HEIR A SECURE HEALTHCARE ENVIRONMENT FOR INFORMATICS RESILIENCE]()
ID: 883275
From: 1 September 2020 to: 31 August 2023
The health sector is steadily becoming the de facto target for cyberattacks. Based on the most recent ENISA report at the end of 2018, cybersecurity incidents have shown that the healthcare sector is one of the most vulnerable. Focusing specifically on Electronic Medical...
Coordinated in: France
Programme: [Ensure privacy and freedom, including in the Internet and enhance the societal, legal and ethical understanding of all areas of security, risk and management](), [Improve cyber security](), [Secure societies - Protecting freedom and security of Europe and its citizens]()
Last update: 2 January 2024
 Add to my booklet

[ENDOMIX Understanding how endocrine disruptors and chemical mixtures of concern target the immune system to trigger or perpetuate disease]()
ID: 101136566

From: 1 January 2024 to: 31 December 2027

The ENDOMIX project addresses the urgent need to understand the true impact of endocrine disrupting chemicals (EDCs) on human health in order to inform regulators and advise citizens. ENDOMIX will tackle this challenge by revealing associations and causality between EDCs and...

Coordinated in: Germany

Programme: [Health](#), [Health throughout the Life Course](#), [Environmental and Social Health Determinants](#)

Last update: 17 January 2024

 Add to my booklet

PROJECT

[MINIGRAPH Minimally Invasive Neuromodulation Implant and implantation procedure based on ground-breaking GRAPHene technology for treating brain disorders](#)

ID: 101070865

From: 1 October 2022 to: 30 September 2025

Neurostimulation therapies hold the promise to treat brain diseases refractory to pharmacological treatment. However, these therapies are not fully adopted due to important technological and clinical challenges, such as highly invasive implantation, multiple side effects due...

Coordinated in: Spain

Programme: [The European Innovation Council (EIC)](#)

Last update: 23 August 2022

 Add to my booklet

PROJECT
PROJECT

[PICASO A Personalised Integrated Care Approach for Service Organisations and Care Models for Patients with Multi-Morbidity and Chronic Conditions](#)

ID: 689209

From: 1 February 2016 to: 30 June 2019

The vision of the PICASO project is that it will become a Europe-wide Continuum of Care service platform that:will improve cooperation and exchange of knowledge between professional caregivers in health, rehabilitation and social care domains and actively include patients and...

Coordinated in: Germany

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Health care provision and integrated care](#)

Last update: 15 August 2022

 Add to my booklet

PROJECT
PROJECT

[ebeam4therapy Very High Energy Electrons Beam for Radiotherapy](#)

ID: 101056951

From: 1 August 2022 to: 31 July 2025

Despite advanced treatment planning and delivery, conventional oncologic radiotherapy (RT) is limited by acute toxicity and long-term side effects caused by radiation delivery to healthy tissues, which often restricts the ability to deliver a sufficient dose of radiation to...

Coordinated in: Israel

Programme: [The European Innovation Council (EIC)](#)

Last update: 28 July 2022

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PREDICT A new era in personalised medicine: Radiomics as decision support tool for diagnostics and theragnostics in oncology
ID: 766276
From: 1 October 2017 to: 31 March 2022
The high degree of tumour (genomic and phenotypic) heterogeneity influences patient's response to therapy and hampers wide deployment of personalised medicine for cancer treatment. Thus, there is an imperative need for new technologies that can accurately detect tumour...
Coordinated in: Netherlands
Programme: EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions, Fostering new skills by means of excellent initial training of researchers
Last update: 10 March 2023
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Sano Centre for New Methods in Computational Diagnostics and Personalised Therapy
ID: 857533
From: 1 August 2019 to: 31 July 2026
This proposal describes the creation in Kraków, Poland, of a centre for Computational Medicine. The Centre will be a major driver for European advancement in this rapidly growing sector, developing sophisticated engineering methods for the prevention, diagnosis and treatment...
Coordinated in: Poland
Programme: Teaming of excellent research institutions and low performing RDI regions
Last update: 15 January 2024
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VALIDATE V A L I D A T E - Validation of a Trustworthy AI-based Clinical Decision Support System for Improving Patient Outcome in Acute Stroke Treatment
ID: 101057263
From: 1 May 2022 to: 30 April 2026
Based on previously developed models and an existing prototype of a clinical decision support system (patent pending), we set out in this project to further develop, test, and validate this clinical decision support for the treatment stratification of acute stroke patients to...
Coordinated in: Germany
Programme: Health, Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine
Last update: 2 August 2022
 Add to my booklet

GrowMeUp GrowMeUp
ID: 643647

From: 1 February 2015 to: 31 January 2018

GrowMeUp's main aim is to increase the years of independent and active living, and the quality of life of older persons (age of 65+) with light physical or mental health problems who live alone at home and can find pleasure and relief in getting support or stimulation to...

Coordinated in: Portugal

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](), [Active ageing and self-management of health]()

Last update: 7 December 2023

 Add to my booklet

PROJECT

[iBILD iBILD: Imaging Biomarker for Intelligent Lung Cancer Detection]()

ID: 719496

From: 1 April 2016 to: 30 September 2016

Lung cancer is one of the most common cancers with the highest mortality rate both in Europe and Worldwide. In 2012, 449,000 new cases were diagnosed with 388,000 deaths recorded in Europe alone. The reason for the 86% mortality rate is that most lung cancers are detected only...

Coordinated in: United Kingdom

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](), [Treating and managing disease]()

Last update: 11 August 2022

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PROJECT

[TissueMaps Integrating spatial and genetic information via automated image analysis and interactive visualization of tissue data]()

ID: 682810

From: 1 April 2016 to: 31 March 2022

Digital imaging of tissue samples and genetic analysis by next generation sequencing are two rapidly emerging fields in pathology. The exponential growth in digital imaging in pathology is catalyzed by more advanced imaging hardware, comparable to the complete shift from...

Coordinated in: Sweden

Programme: [EXCELLENT SCIENCE - European Research Council (ERC)]()

Last update: 22 September 2022

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[4-IN THE LUNG RUN 4-IN THE LUNG RUN: towards INdividually tailored INvitations, screening INtervals, and INtegrated co-morbidity reducing strategies in lung cancer screening]()

ID: 848294

From: 1 January 2020 to: 31 December 2024

With 338,000 EU-deaths annually, lung cancer is a devastating problem. CT screening has the potential to prevent ten-thousands of lung cancer deaths annually. The positive results of the Dutch-Belgian screening trial (NELSON), with relatively low referral rates, and the NLST...

Coordinated in: Netherlands

Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Preventing disease](#)
Last update: 15 January 2024
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[LEOPARD Liver Electronic Offering Platform with Artificial intelligence-based Devices](#)
ID: 101080964

From: 1 November 2023 to: 31 October 2028

Liver transplantation (LT) is a life-saving procedure for decompensated cirrhosis (DC) and hepato-cellular carcinoma (HCC). Its efficacy is hampered by the risk of death/drop-out on the Wait List (WL). This risk is driven by organ shortage and is mitigated by organ offering...
Coordinated in: France
Programme: [Health](#), [Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine](#)
Last update: 1 November 2023
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PROJECT

[TransQST Translational quantitative systems toxicology to improve the understanding of the safety of medicines - Sofia: 116030](#)
ID: 116030

From: 1 January 2017 to: 31 August 2022

TransQST will develop a Quantitative Systems Toxicology (QST) approach, employing pre-existing data where possible, in order to yield new mechanistic insight into drug-induced toxicity. A central tenet of our programme will be to ensure the human physiological and...
Coordinated in: United Kingdom
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Innovative Medicines Initiative 2 (IMI2)](#)
Last update: 7 December 2023
 Add to my booklet

PROJECT

[FBI Multimodal, Functional Bio-Photonic Imaging](#)
ID: 721766

From: 1 October 2016 to: 31 March 2021

FBI fosters education of ESRs on an emerging, multimodal imaging platform and its translation into clinical and biological applications. In FBI, 15 ESRs are trained at world-leading European academic institutions and companies, thus forming strong interdisciplinary relations...
Coordinated in: Denmark
Programme: [EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions](#), [Fostering new skills by means of excellent initial training of researchers](#)
Last update: 23 August 2022
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PROJECT

[DEFINITIVE Diagnostic HER2DX-guided treatment for patients with early-stage HER2-positive breast cancer](#)
ID: 101136953

From: 1 December 2023 to: 30 November 2028

HER2+ breast cancer affects around 390.000 women annually worldwide (i.e. 3 patients every 4 minutes). Over the last decade, polychemotherapy and HER2-targeted therapies have

improved patient´s survival; however, the reality is that most patients are cured with less intense...
Coordinated in: Spain
Programme: [Health](#)
Last update: 8 January 2024
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[MARVEL Evolving reversible iMmunocapture by membrane sensing peptides: towARds scalable extracellular VEsicLes isolation](#)
ID: 951768
From: 1 November 2020 to: 30 April 2023
Extracellular vesicles (EV) are submicron membrane vesicles released by most cells with a fundamental role in cell-to-cell communication. Much interest is flourishing towards their exploitation in regenerative medicine and diagnostics. However, the fulfilment of the EV promise...
Coordinated in: Italy
Programme: [EXCELLENT SCIENCE - Future and Emerging Technologies (FET)](#), [FET Proactive](#)
Last update: 27 December 2023
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[EOSC4Cancer A European-wide foundation to accelerate Data-driven Cancer Research](#)
ID: 101058427
From: 1 September 2022 to: 28 February 2025
Cancer complex nature requires integration of advanced research data across national boundaries to enable progress. Indeed, the Horizon Europe mission board for cancer has identified access to data, knowledge and digital services - accessible across the European Research Area...
Coordinated in: Spain
Programme: [Research infrastructures](#), [Consolidating and Developing the Landscape of European Research Infrastructures](#)
Last update: 10 March 2023
 Add to my booklet

[INNO4COV-19 Boosting Innovation for COVID-19 Diagnostic, Prevention and Surveillance.](#)
ID: 101016203
From: 1 October 2020 to: 30 November 2022
The novel corona virus causing COVID-19 overwhelmed Europe and the world in just a few weeks' time. Small and Medium-sized Entrerprises (SMEs are put at very high risk by the slowdown or shutdown of economic life in their countries – exactly those companies who ensure the...

Coordinated in: Portugal
Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being
Last update: 28 December 2023
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COMFORT COMputational Models FOR patienT stratification in urologic cancers – Creating robust and trustworthy multimodal AI for health care
ID: 101079894
From: 1 April 2023 to: 31 March 2027
In the EU, treating patients with prostate (PCa) and kidney cancer (KC) costs more than €6.6 billion annually. Yet, PCa and KC are often managed inadequately, which is associated with high costs and negative consequences such as hospitalisation, psychosocial stress and...
Coordinated in: Germany
Programme: Health, Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine
Last update: 29 June 2023
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EPHOR Exposome project for health and occupational research
ID: 874703
From: 1 January 2020 to: 30 June 2025
Exposures at the workplace contribute to many non-communicable diseases (NCDs) with a similar magnitude as urban air pollution or obesity. Given the associated societal and economic (2-6% GDP) pressure, ensuring a healthy work environment is a strategic goal for the European...
Coordinated in: Netherlands
Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Preventing disease
Last update: 29 December 2023
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PROJECT

ELGN-GI A first-in-class therapy for intestinal malabsorption in premature newborns
ID: 190151578
From: 1 November 2022 to: 31 October 2024
Around 10% babies are born preterm, and premature birth is the 1st cause of new-born deaths. Preterm infants are born with an underdeveloped gastrointestinal (GI) tract, causing intestinal malabsorption. At the first weeks of life, adequate nutrition is critical for brain and...
Coordinated in: Israel
Programme: The European Innovation Council (EIC)
Last update: 29 June 2023
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PROJECT

[RESOLVE Residual disease assessment in hematologic malignancies to improve patient-relevant outcomes across Europe (RESOLVE)](#)
ID: 101136502
From: 1 April 2024 to: 31 March 2029
"MeMeasurable residual disease (MRD) detected by multiparameter flow cytometry (MFC) has strong prognostic value in patients with the most frequent acute and chronic leukemias, acute myeloid (AML) and chronic lymphocytic leukemia (CLL), but it has not yet been confirmed as a...
Coordinated in: Germany
Programme: [Health](#)
Last update: 8 January 2024
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[LONGITOOLS Dynamic longitudinal exposome trajectories in cardiovascular and metabolic non-communicable diseases](#)
ID: 874739
From: 1 January 2020 to: 30 June 2025
Environmental factors, including air and noise pollution, and the built environment, are typically associated with cardiovascular and metabolic non-communicable diseases (NCDs), e.g. obesity, type 2 diabetes, heart diseases and atherosclerosis. The extent to which these...
Coordinated in: Finland
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Preventing disease](#)
Last update: 19 December 2023
 Add to my booklet

PROJECT

[DL-ElastoMark A deep learning-derived, shear wave elastography biomarker for cancer therapy prediction](#)
ID: 101065325
From: 1 September 2023 to: 31 August 2025
The efficacy of standard cancer therapies varies, and while some patients respond to a particular treatment, other patients do not gain any benefit. In response, an era of individualized cancer treatments is emerging which are based on the identification of biomarkers that...
Coordinated in: Cyprus
Programme: [Marie Skłodowska-Curie Actions (MSCA)](#)
Last update: 12 September 2022
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PROJECT

[PandeVITA Pandemic Virus Trace Application for the Effective Knowledge Transfer Between Science and Society Inside the Quadruple Helix Collaboration](#)
ID: 101006316
From: 1 January 2021 to: 31 August 2023
The concept of PandeVITA enables knowledge transfer between society and science inside of the quadruple helix on the European level. With help of the PandeVITA app, the consortium will create and execute an innovative evaluation concept based on different feedback categories...
Coordinated in: Türkiye
Programme: [SCIENCE WITH AND FOR SOCIETY](#)

Last update: 28 December 2023
 Add to my booklet

[ONCODIR ONCODIR – Evidence-based Participatory Decision Making for Cancer Prevention through implementation research](#)
ID: 101104777
From: 1 June 2023 to: 30 November 2026
Colorectal cancer (CRC) is one of the most common cancer types and its increased occurrence may be attributable to adverse health behaviors, especially in lower socioeconomic status populations. Stemming from the specific risk factors identified with CRC, ONCODIR integrates...
Coordinated in: Greece
Programme: [Health](#)
Last update: 24 July 2023
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[ehcoBUTLER ehcoBUTLER. A global ecosystem for the independent and healty living of elder people with mild cognitive impairments.](#)
ID: 643566
From: 1 January 2015 to: 31 March 2022
The ehcoBUTLER Idea:Nowadays, it is a fact that Europe is ageing. A common characteristic of elders is the frequent occurrence of either physical or mild cognitive impairments. This situation brings new challenges in how to improve the independence and quality of life of...
Coordinated in: Spain
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Health care provision and integrated care](#)
Last update: 23 December 2022
 Add to my booklet

[eStandards eHealth Standards and Profiles in Action for Europe and Beyond](#)
ID: 643889
From: 1 May 2015 to: 31 July 2017
The eStandards CSA is proposed by HL7, CEN TC251, & IHE, leading Standards Organizations (SDOs), and is supported by the eHealth Network, ISO TC215, GS1, IHTSDO, IEEE11073, and IMIA to advance eHealth interoperability and global alignment of standards with seven objectives: 1...
Coordinated in: Belgium
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Methods and data](#)
Last update: 4 September 2022
 Add to my booklet

[EASY-Diabetes Individualised and Equitable Care of Type 2 Diabetes](#)
ID: 877170
From: 1 November 2019 to: 29 February 2020
EASY – Diabetes is a digital health solution that helps patients with Type 2 diabetes and health care providers analyse dataand make better decisions about therapies by accessing a carefully curated global database based on clinical data andmedical evidence collected over...
Coordinated in: Sweden
Programme: [PRIORITY 'Societal challenges](#), [INDUSTRIAL LEADERSHIP - Innovation In SMEs](#), [INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies](#)
Last update: 16 August 2022
 Add to my booklet

[ENORASI Virtual Environments for the Training of Visually Impaired](#)
ID: IST-2000-25231
From: 1 January 2001 to: 31 December 2003
The ENORASI project aims at developing a highly interactive and extensible virtual reality system that will allow visually impaired people, especially those blind from birth, to study and interact with various virtual objects. ENORASI will not only introduce techniques for the...
Coordinated in: Greece
Programme: [Programme for research, technological development and demonstration on a "User-friendly information society, 1998-2002"](#)
Last update: 13 June 2005
 Add to my booklet

[CORESMA COVID-19-Outbreak Response combining E-health, Serolomics, Modelling, Artificial Intelligence and Implementation Research](#)
ID: 101003480
From: 1 April 2020 to: 31 December 2023
Among the biggest challenges in the COVID-19 outbreak are the lack of triangulation of clinical, epidemiologic and immunological information for evidence- based response strategies. Our overriding ambition is to overcome this deficit through field studies and implementation...
Coordinated in: Germany
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Treating and managing disease](#)
Last update: 27 December 2023
 Add to my booklet

[GEYEDANCE AI guidance for robot-assisted eye surgery](#)
ID: 101070443
From: 1 September 2022 to: 31 August 2025
"Retina indications are the leading cause of visual impairment in industrialized countries and posing a big unmet socio-economic challenge. Performing surgical actions directly at the retina - one of the most delicate and sensitive areas of the human body - with ultra-thin...
Coordinated in: Austria

Programme: [Digital, Industry and Space](#), [Artificial Intelligence and Robotics](#)
Last update: 23 August 2022
 Add to my booklet

[Fox-IT Fitting-to-Outcome eXpert for semi-automated cochlear implant fine-tuning](#)
ID: 735134
From: 1 August 2016 to: 30 November 2016
For many deaf patients cochlear implantation has become the standard state-of-the-art care. To achieve optimal hearing performance, cochlear implants need to be adjusted to the individual needs of the user. To date, this has to be done manually by an experienced audiologist...
Coordinated in: Belgium
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Active ageing and self-management of health](#), [INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)](#), [Mainstreaming SME support, especially through a dedicated instrument](#), [Health care provision and integrated care](#)
Last update: 12 August 2022
 Add to my booklet

[BrainConquest Boosting Brain-Computer Communication with high Quality User Training](#)
ID: 714567
From: 1 July 2017 to: 31 December 2022
Brain-Computer Interfaces (BCIs) are communication systems that enable users to send commands to computers through brain signals only, by measuring and processing these signals. Making computer control possible without any physical activity, BCIs have promised to revolutionize...
Coordinated in: France
Programme: [EXCELLENT SCIENCE - European Research Council (ERC)](#)
Last update: 6 February 2024
 Add to my booklet

[CY-BIOBANK Biobanking and the Cyprus Human Genome Project](#)
ID: 857122
From: 1 October 2019 to: 30 September 2026
The genetic investigation of diseases and eHealth are a priority of the Smart Specialization Strategy of Cyprus. The strategy can best be served by creating a Centre of Excellence (CoE) with two pillars: a) A contemporary Biobank research infrastructure that incorporates...
Coordinated in: Cyprus
Programme: [Teaming of excellent research institutions and low performing RDI regions](#)
Last update: 15 January 2024
 Add to my booklet

[GLOMICAVE Global Omic Data Integration on Animal, Vegetal and Environment Sectors](#)
ID: 952908

From: 1 November 2020 to: 30 April 2024
Massive increases in analytical throughput together with reductions in costs have enabled multi-omics studies to be routinely performed at a scale not previously imagined. Two main barriers hamper our ability to reveal the mechanism behind a specific genotype-phenotype link:...
Coordinated in: Spain
Programme: [INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies – Biotechnology](#)
Last update: 28 December 2023
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PROJECT

[ARCHIMEDES dAta-dRiven integrated approaches to CHemIcal safety assessMEnt and Drug dEvelopment](#)
ID: 101043848
From: 1 September 2022 to: 31 August 2027
Traditional in vivo tesTraditional in vivo tests are hampering the development of new, safe and effective chemicals and drugs. If on one hand we need to ensure that dangerous chemicals do not emerge, on the other, we also need to promote rapid and sustainable innovation to...
Coordinated in: Finland
Programme: [European Research Council (ERC)](#)
Last update: 5 April 2023
 Add to my booklet

PROJECT

[bAIes Integrative, AI-aided Inference of Protein Structure and Dynamics](#)
ID: 101086685
From: 1 August 2023 to: 31 July 2028
The life sciences community is living in exciting times. During the past year, Artificial Intelligence (AI), and in particular AlphaFold2, has contributed to advancing our understanding of protein behaviour by enabling structure prediction with accuracy comparable to many...
Coordinated in: France
Programme: [European Research Council (ERC)](#)
Last update: 13 July 2023
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PROJECT

[OMICSENS integrated nano-photonic OMICs bio-SENSor for lung cancer](#)
ID: 101129734
From: 1 January 2024 to: 31 December 2026
OMICSENS aims to develop a radically new omics measurement platform that would be initially applied to improve non-small cell lung cancer (NSCLC) prognosis by ensuring a timely and accurate detection of Tyrosine Kinase Inhibitor (TKI) resistance associated to Epidermal Growth...
Coordinated in: Italy
Programme: [The European Innovation Council (EIC)](#)
Last update: 14 November 2023
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[BSPA Bone Surgery Preparation AIde](#)
ID: 837120
From: 1 December 2018 to: 31 May 2019
Healthplus.ai has developed a Proof-of-Concept version (TRL level 3) of an Artificial Intelligence (AI) tool to be offered as a Software as a Service (SaaS) solution and able to automatically and very precisely annotate, segment and 3D visualize unique bone and fracture...
Coordinated in: Netherlands
Programme: [PRIORITY 'Societal challenges](#), [INDUSTRIAL LEADERSHIP - Innovation In SMEs](#), [INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies](#)
Last update: 15 August 2022
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PROJECT

[PhyNeTouch Multiphysics modelling and neural networks synergy to enhance the outcome of robotic catheter ablation for the treatment of atrial fibrillation](#)
ID: 101024463
From: 1 January 2022 to: 31 December 2023
Atrial fibrillation is the most common cardiac arrhythmia affecting more than 7.6 million people in Europe, while future projections estimate a worldwide increase by over 60%. Catheter ablation has evolved over the last decades to an important therapeutic modality for patients...
Coordinated in: United Kingdom
Programme: [EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions](#), [Nurturing excellence by means of cross-border and cross-sector mobility](#)
Last update: 28 December 2023
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[iBack Individualized treatment planning in chronic back pain patients by advanced imaging and multi-parametric biomechanical models](#)
ID: 637164
From: 1 June 2015 to: 30 November 2020
Chronic back pain is a major burden and source of disability worldwide. It is primarily attributed to biomechanical factors. In elderly patients, osteoporosis complicates the biomechanical scenario. Surgery is often required to treat instability-related pain and to restore the...
Coordinated in: Germany
Programme: [EXCELLENT SCIENCE - European Research Council (ERC)](#)
Last update: 22 August 2022
 Add to my booklet
PROJECT

[UNITE4TB ACADEMIA AND INDUSTRY UNITED INNOVATION AND TREATMENT FOR TUBERCULOSIS](#)
ID: 101007873
From: 1 June 2021 to: 31 May 2028
Current anti-tuberculosis (TB) drug regimens face serious limitations at times of increasing antimicrobial drug resistance. Fortunately, for the first time for centuries, several novel anti-TB compounds are available for clinical evaluation. As the traditional approach to...
Coordinated in: Netherlands

Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Innovative Medicines Initiative 2 (IMI2)
Last update: 19 January 2024
 Add to my booklet

EnhancerDesign AI-driven enhancer design for gene therapy
ID: 963884
From: 1 January 2021 to: 30 June 2022
Gene therapy promises to become a durable clinical option for a whole range of diseases, including monogenic hereditary diseases, cancer and neurodegenerative disorders. However, the development of new gene therapy-based treatments strongly depends on regulatory drivers that...
Coordinated in: Belgium
Programme: EXCELLENT SCIENCE - European Research Council (ERC)
Last update: 2 December 2022
 Add to my booklet

ECSTATIC Electrostructural Tomography – Towards Multiparametric Imaging of Cardiac Electrical Disorders
ID: 715093
From: 1 February 2017 to: 31 July 2022
Cardiac electrical diseases are directly responsible for sudden cardiac death, heart failure and stroke. They result from a complex interplay between myocardial electrical activation and structural heterogeneity. Current diagnostic strategy based on separate...
Coordinated in: France
Programme: EXCELLENT SCIENCE - European Research Council (ERC)
Last update: 25 November 2022
 Add to my booklet

MICROBIS Metabolites Inducers of Cross-tolerance to Biotic Stress
ID: 101028809
From: 15 September 2021 to: 14 September 2023
Ensuring food security and accessibility represents a global challenge since world population grows exponentially while crop quality and productivity is restricted by limitations on arable areas and increasing incidence of stress conditions due to climate change. Plant...
Coordinated in: Spain
Programme: EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions, Nurturing excellence by means of cross-border and cross-sector mobility
Last update: 24 August 2022
 Add to my booklet

UNITI Unification of treatments and Interventions for Tinnitus patients

ID: 848261
From: 1 January 2020 to: 30 September 2023
Tinnitus is the perception of a phantom sound and the patient's reaction to it. Tinnitus remains a scientific and clinical enigma of iTinnitus is the perception of a phantom sound and the patient's reaction to it. Although much progress has been made, tinnitus remains a...
Coordinated in: Germany
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](), [Understanding health, wellbeing and disease]()
Last update: 5 February 2024
 Add to my booklet

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[V-HAB Optimizing Vision reHABilition with virtual-reality games in paediatric amblyopia]()
ID: 890641
From: 1 March 2021 to: 10 August 2024
To reach for a bottle (motor), we need to be able to identify its properties (attention) and know where in space it is located (3-dimensional (3D) vision). This cascade is however impaired in some developmental disorders of vision, like Paediatric Amblyopia (PA) or lazy eye...
Coordinated in: Switzerland
Programme: [EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions](), [Nurturing excellence by means of cross-border and cross-sector mobility]()
Last update: 19 December 2023
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[DeepHealth Deep-Learning and HPC to Boost Biomedical Applications for Health]()
ID: 825111
From: 1 January 2019 to: 30 June 2022
Health scientific discovery and innovation are expected to quickly move forward under the so called "fourth paradigm of science", which relies on unifying the traditionally separated and heterogeneous high-performance computing and big data analytics environments. Under...
Coordinated in: Spain
Programme: [INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)]()
Last update: 11 December 2023
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[PRIME A Personalised Living Cell Synthetic Computing Circuit for Sensing and Treating Neurodegenerative Disorders]()
ID: 964712
From: 1 February 2021 to: 31 January 2025
There remain urgent and unmet needs for the treatment of neurological diseases. Epilepsy is a serious, chronic brain disease characterized by recurrent seizures. Closed-loop, implanted devices offer ways to reduce seizures in drug-resistant patients but their efficacy is poor...
Coordinated in: Ireland
Programme: [EXCELLENT SCIENCE - Future and Emerging Technologies (FET)](), [FET Open]()

Last update: 3 March 2023

 Add to my booklet

ERA4TB EUROPEAN REGIMEN ACCELERATOR FOR TUBERCULOSIS

ID: 853989

From: 1 January 2020 to: 31 December 2025

The European Regimen Accelerator for Tuberculosis (ERA4TB) has the explicit goal of developing a new combination therapy to treat all forms of TB starting from ~20 leads and drug candidates provided by EFPIA. Since details of these are as yet unavailable, we will implement an...

Coordinated in: Spain

Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Innovative Medicines Initiative 2 (IMI2)

Last update: 24 January 2024

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Visual Proteomics Biomarker discovery by AI-guided, image based single-cell isolation proteomics

ID: 846795

From: 1 April 2019 to: 31 March 2021

Early detection of severe malignancies such as cancer is the most effective way to increase patient survival, but early diagnosis and prediction of treatment outcome critically depend on disease-specific biomarkers. However, molecular and cellular disease heterogeneity provide...

Coordinated in: Denmark

Programme: EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions, Nurturing excellence by means of cross-border and cross-sector mobility

Last update: 22 August 2022

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MITO The function and biomarker potential of mitochondrial microRNAs in hypertension

ID: 893435

From: 3 August 2020 to: 2 August 2022

Hypertension is an extreme public health problem affecting nearly one third of the World's adult population. Most cardiovascular diseases are provoked by hypertension resulting in an estimated 9.4 million deaths every year. Surprisingly, the diagnosis of hypertension has...

Coordinated in: Luxembourg

Programme: EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions, Nurturing excellence by means of cross-border and cross-sector mobility

Last update: 23 December 2022

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IB4SD-TRISTAN Imaging Biomarkers (IBs) for Safer Drugs: Validation of Translational Imaging Methods in Drug Safety Assessment - Sofia ref.: 116106

ID: 116106

From: 1 January 2017 to: 31 December 2024

1.Our consortium has broad, deep experience of drug development and imaging biomarker (IB) validation. We are internationally recognized experts in transporter biology, animal models of lung injury, toxicology, DCEMRI, compartmental modeling, 1H&129Xe lung MR, and labeling of...
Coordinated in: Belgium
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Innovative Medicines Initiative 2 (IMI2)](#)
Last update: 1 February 2024
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PROJECT

[ThrombUS ThrombUS+: Wearable Continuous Point-of-Care Monitoring, Risk Estimation and Prevention for Deep Vein Thrombosis](#)
ID: 101137227
From: 1 January 2024 to: 30 June 2027
Deep vein thrombosis (DVT) is the formation of a blood clot within the deep veins, most commonly those of the lower limbs, causing obstruction of blood flow. In 50% of people with DVT, the clot eventually breaks off and travels to the lung to cause pulmonary embolism. Clinical...
Coordinated in: Greece
Programme: [Health](#), [Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine](#)
Last update: 8 January 2024
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PROJECT

[MULTIR MULti-Tumour based prediction and manipulation of Immune Response](#)
ID: 101136926
From: 1 January 2024 to: 31 December 2027
Only few patients respond to tumor treatment as desired. Treatment heavily relies on host tumor interactions, including exploiting the host immune response against the tumor. The underlying mechanisms of host tumor interaction are largely unknown, guidance on specific...
Coordinated in: France
Programme: [Health](#)
Last update: 8 January 2024
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[TIQUE InnovaTIve care services, enhanced with technology, to deliver QUick rEsponses for individuals with advanced heart failure and complex care needs through integrated care](#)
ID: 965356
From: 1 March 2021 to: 28 February 2026
Heart failure (HF) is the leading cause of hospitalisation in people over the age of 65 and carries a high cost to healthcare systems. It also exerts a significant economic toll on patients, their families and society in general; more the 15 million people are living with HF...
Coordinated in: Spain
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Health care provision and integrated care](#)
Last update: 24 November 2023
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PROJECT
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LIGATE LIgand Generator and portable drug discovery platform AT Exascale

ID: 956137

From: 1 January 2021 to: 30 April 2024

Today digital revolution is having a dramatic impact on the pharmaceutical industry and the entire healthcare system. The implementation of machine learning, extreme scale computer simulations, and big data analytics in the drug design and development process offer an...

Coordinated in: Italy

Programme: INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT), Next generation computing: Advanced and secure computing systems and technologies, including cloud computing

Last update: 27 December 2023

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OPADE Optimise and predict antidepressant efficacy for patient with major depressive disorders using multi-omics analysis and AI-predictive tool

ID: 101095436

From: 1 December 2022 to: 31 May 2027

280M of people worldwide suffers from major depressive disorders (MDD). Although a well-populated therapeutic landscape of anti-depre280M of people worldwide suffers from major depressive disorders (MDD). Although a well-populated therapeutic landscape of anti-depressants, the...

Coordinated in: Italy

Programme: Health, Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine

Last update: 4 May 2023

 Add to my booklet

BRAV3 Computational biomechanics and bioengineering 3D printing to develop a personalized regenerative biological ventricular assist device to provide lasting functional support to damaged hearts

ID: 874827

From: 1 January 2020 to: 31 December 2024

Ischemic heart disease is the main cause of death in the EU, straining patients and economies. Regenerative Medicine has failed at delivering a definitive solution, and even the breakthrough of cell reprogramming, biomaterials or 3D printing, have not been able to find a...

Coordinated in: Spain

Programme: SOCIETAL CHALLENGES - Health, demographic change and well-being, Treating and managing disease

Last update: 5 February 2024

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TransPharm Transforming into a sustainable European pharmaceutical sector

ID: 101057816

From: 1 June 2022 to: 31 May 2026

TransPharm two-track approach focusses on the one hand on the compounds itself by identifying greener and more sustainable-by-design Active Pharmaceutical Ingredients (APIs)

and on the other hand reducing the environmental impact and resilience of the manufacturing process by...
Coordinated in: Belgium
Programme: [Health](#), [Tools, Technologies and Digital Solutions for Health and Care, including personalised medicine](#)
Last update: 29 July 2022
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PROJECT

[DRAGON The RapiD and SecuRe AI enhAnced DiaGnosis, Precision Medicine and Patient EmpOwerment Centered Decision Support System for Coronavirus PaNdemics](#)
ID: 101005122
From: 1 October 2020 to: 31 March 2024
In this project, a multinational consortium of high-tech SMEs, academic research institutes, biotech and pharma partners, affiliated patient-centred organisations and professional societies will achieve a multi-faceted diagnostic and prognostic platform and a precision...
Coordinated in: Netherlands
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Innovative Medicines Initiative 2 (IMI2)](#)
Last update: 19 January 2024
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PROJECT

[PreventIT Early risk detection and prevention in ageing people by self-administered ICT-supported assessment and a behavioural change intervention delivered by use of smartphones and smartwatches](#)
ID: 689238
From: 1 January 2016 to: 31 March 2019
Lifestyle, disease and biology put older people at risk of functional decline, leading to falls, cognitive impairment, frailty, and negative consequences for quality of life. PreventIT will develop and test an ICT based mHealth System (iPAS) for the consumer market that 1)...
Coordinated in: Norway
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Active ageing and self-management of health](#)
Last update: 16 August 2022
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PROJECT

[LITMUS Liver Investigation: Testing Marker Utility in Steatohepatitis](#)
ID: 777377
From: 1 November 2017 to: 29 February 2024
Strongly associated with the epidemics of obesity and type 2 diabetes that are testing healthcare systems worldwide, Non-Alcoholic Fatty Liver Disease (NAFLD) is an increasingly common cause of advanced liver disease that is characterized by substantial inter-patient...
Coordinated in: United Kingdom
Programme: [SOCIETAL CHALLENGES - Health, demographic change and well-being](#), [Innovative Medicines Initiative 2 (IMI2)](#)
Last update: 1 February 2024
 Add to my booklet

PROJECT

[COMMUTE COMORBIDITY MECHANISMS UTILIZED IN HEALTHCARE](#)

ID: 101136957
From: 1 December 2023 to: 30 November 2027
The COVID pandemic can be seen as an experiment done with the entirety of humankind (as almost everybody has been or will get infected with SARS-CoV-2). It will therefore have the best coverage over the widest variation possible and is therefore ideally suited to study the...
Coordinated in: Germany
Programme: Health, Non-Communicable and Rare Diseases, Infectious Diseases, including poverty-related and neglected diseases
Last update: 8 January 2024
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SynAir-G Disrupting Noxious Synergies of Indoor Air Pollutants and their Impact in Childhood Health and Wellbeing, using Advanced Intelligent Multisensing and Green Interventions
ID: 101057271
From: 1 September 2022 to: 31 August 2026
While the number and types of indoor air pollutants is rising, much is suspected but little is known about the impact of their potentially synergistic interactions, upon human health. Highly susceptible populations include children, allergy and asthma sufferers, and a low...
Coordinated in: Greece
Programme: Health, Environmental and Social Health Determinants
Last update: 23 August 2022
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PROJECT

STRATEGY-CKD System omics to unravel the gut-kidney axis in Chronic Kidney Disease.
ID: 860329
From: 1 February 2020 to: 31 July 2024
System omics to unravel the gut-kidney axis in Chronic Kidney Disease:There is a great need for multi-disciplinary and methodologically well trained scientists in order to unravel complex diseases. Chronic kidney disease (CKD), which is more prevalent in women, and its high...
Coordinated in: Belgium
Programme: EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions, Fostering new skills by means of excellent initial training of researchers
Last update: 15 January 2024
 Add to my booklet

PROJECT

Commodity12 COntinuous Multi-parametric and Multi-layered analysis Of DIabetes TYpe 1 & 2
ID: 287841
From: 1 October 2011 to: 30 June 2015
In COMMODITY12 we will build a multi-layered multi-parametric infrastructure for continuous monitoring of diabetes type 1 and 2. The COMMODITY12 system will exploit multi-parametric data to provide healthcare workers and patients, with clinical indicators for the treatment of...
Coordinated in: Germany
Programme: Specific Programme "Cooperation": Information and communication technologies

PROJECT
PROJECT

[IntraopRealtimeTumor A Real-time imaging and classification system for low-grade glioma detection during brain surgery](#)

ID: 101066138

From: 1 October 2022 to: 31 March 2024

Brain tumors remain one of the most incurable illnesses we know; patients have poor prognosis and less than a decade of life expectancy. The oncologist's toolkit is rather limited as chemotherapy agents have limited access to the brain due to the blood brain barrier...

Coordinated in: Israel

Programme: [European Research Council (ERC)](#)

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