EIT Health Spain
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Greetings from the EIT Health Spain Director

Dear Partners of EIT Health,

it is a real pleasure for me to share with you this document that summarizes in a few pages the competences and strengths of EIT Health Spanish Partners. EIT Health Spain has eighteen partners from three regions (Catalonia, Madrid and Valencia) involving strong agents in the three pillars of the knowledge triangle: Innovation, Education and Business Creation and Development. EIT Health Spain has identified six key strategic areas: nutrition and frailty, big data and health analytics, chronic care management, neuroscience and neurological disorders, health education and business support and development. As Spanish CLC of EIT Health, we are fully committed to generate added value activities to offer to European citizens solutions, products and services for an active ageing, healthy living and for the improvement of healthcare system. Our CLC headquarter is located in the Science Park of the University of Barcelona, a vibrant cluster of Research, Innovation and Business and my management team and I are really glad to help you for any question or further information you need.

Welcome to EIT Health Spain!

Marco Pugliese
EIT Health Spain Director
Greetings from the President of the Association

It is a pleasure to present the first leaflet of EIT Health Spain, which offers an overview of the expertise of our partners. The University of Barcelona has the honour to preside this association for the next years and we trust that our CLC will become an excellent frame to foster collaboration among public and private entities, not only at national level, but also internationally. In this scenario, the present leaflet is just the starting point to show our capabilities in order to start identifying synergies and common interests among other partners.

Jordi Alberch
President of EIT Health Spain Association
EIT Health Spain

The Spanish CLC is formed by three regions (Catalonia, Madrid and Valencia) involving strong partners in the three areas of the Knowledge Triangle: Research, Education and Business. The Spanish CLC was formally established on July 31st 2015 and it is located at the Barcelona Science Park.

CLC management team

**Dr. Marco Pugliese,** EIT Health Spain Director and Accelerator Coordinator
**Prof. Ramon Farré,** Campus Director
**Dr. Anaïs González,** Innovation Director
**Ms. Esther Oriol,** Communication Director

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EIT Health Spain Governing board

PRESIDENT

Lydia Montandon

Secretary

Josep Samitier

Member

Member

Member

Lydia Montandon

Supervisory board
Partners
Abbott

Abbott creates breakthrough products – in diagnostics, medical devices, nutrition and branded generic pharmaceuticals - that help people lead healthier lives, full of unlimited possibilities. Today, 74,000 of us are working to make a lasting impact on health in the more than 150 countries we serve. Abbott develops science-based nutrition products for people of all ages. We partner with healthcare professionals worldwide to offer the most trusted names in nutrition products for every stage of life.

Areas of specialization Abbott Nutrition R&D in Spain: adult nutrition, infant nutrition, therapeutic nutrition, mobility, metabolic health, early programming

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ATTOS

Atos is a leader in digital services with near to 100,000 employees in 72 countries. The company is focused on business technology that powers progress and helps organizations to create their firm of the future. Wide experience in health standards (HL7, CEN/ISO EN13606, openEHR archetypes). Big data for: (1) Omics Technologies and data analysis; (2) services within the healthcare domain. Decision support systems design and development.

Areas of specialization: big data, EHR, interoperability, HIS, business development

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Ferrer Internacional

Ferrer is a pharmaceutical company whose innovation is based on collaborations. We are proactive in establishing strategic alliances with hospitals, biotech companies, public research bodies, academic institutions and other pharmaceutical companies all over the world. Only by building partnerships, sharing our knowhow and exploring synergies, we can advance scientific research and meet the increasing challenges involved in developing new treatments. We are interested both in private and public partners expert in the areas we are working (drug therapy, diagnostics, cardiovascular prevention, schizophrenia, bipolar disorders and cancer) and in technological sectors in order to provide patients with comprehensive solutions.

Areas of specialization: Treating and managing chronic diseases, improving healthcare systems, metabolic health, Drug development, Cardiovascular area, Central Nervous System, drug therapy, Cell therapy and Diagnostics

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Institute for Bioengineering of Catalonia (IBEC)

The Institute for Bioengineering of Catalonia (IBEC) conducts excellent interdisciplinary research at the frontiers of engineering and life sciences in order to generate new knowledge by putting together fields like nanomedicine, biophysics, biotechnology, tissue engineering and the applications of health information technology.

Areas of specialization: Bioengineering future medicine, Bioengineering for regenerative therapies, Bioengineering for active ageing

Josep Samitier
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IESE Business School

IESE Business School is dedicated to train professional managers; including Health sector. Center for Research in Healthcare Innovation Management builds on over 30 years of expertise, leading international educational programmes and public & private R&I projects.
More information: www.iese.edu/en/faculty-research/research-centers/crhim

Areas of specialization: Health management, health economics, business development, executive education, capacity building activities

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Instituto de Biomecánica (IBV)

Instituto de Biomecánica (IBV) is a Spanish Research and Technological Organization (RTO) that studies the behaviour of the human body and its interaction with products, environments and services. IBV combines knowledge related to anthropometry, interfaces design, biomechanical evaluation and promotion of health with the aim to improve the competitiveness of companies by addressing people’s quality of life.

Areas of specialization: Anthropometry, Cognitive and functional assessment, and User-driven innovation and ergonomics

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University of Barcelona

The main research areas at the University related to the EIT Health are life and medical sciences, the experimental sciences (physics, mathematics, geology and chemistry), economics, business, law, humanities (philology, philosophy, history and geography) and educational and behavioural sciences. Our university has a strong focus on Medical and Health sciences (3,244 articles in this topic in the last 6 years, half of them in the first quartile, and 48 patents in the same period). UB has also diverse university hospitals, such as Hospital Clinic, Bellvitge Hospital and Sant Joan de Deu, and over 10 associated hospitals in the area of Barcelona. Additionally, there are several Research Institutes associated to our University, such as IDIBAPS, IDIBELL, ISGlobal, etc.

Areas of specialization: Cancer, nutrition, genetics, medicine (all specialities), nursing, pharmacy, physics, biology, chemistry, mathematics, prevention, drug discovery, bioengineering, law, economics and business

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Technical University of Madrid (UPM)

UPM health activities cover a wide variety of topics, being the Centre for Biomedical Technology (CTB) its flagship: a stable interdisciplinary environment grouping UPM research groups with high expertise and qualified infrastructure to address major challenges in Biomedicine and Health. With special focus in ICT for health, UPM has capabilities and R&D results in all EIT Health areas in order to transfer advanced ICT and Health solutions and technologies to the Industry partners, to validate those solutions in our Living Labs, to promote the start-up of new ventures issued by UPM community and regional Health ecosystem, and to offer high quality and experienced educational programmes.

Areas of specialization: Big Data, Data Analytics, Internet of Things, mHealth, chronic-major (cancer)-and neuro- diseases, active and health ageing (frailty), personalized medicine, Living Labs, I&E

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Agency for Health Quality and Assessment of Catalonia (AQuAS)

The Agency for Health Quality and Assessment of Catalonia (AQuAS, the acronym in Catalan) is a public legal entity subject to private law, under the auspices of the Generalitat de Catalonia’s Health Services Department which serves public policy. The mission of AQuAS is to promote knowledge and know-how aimed at improving the quality, safety and sustainability of the Catalan healthcare system.

Areas of specialization: Health data analytics/Health technology Assessment/Innovation in healthcare

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Biocat

Biocat is the organization that coordinates and promotes health and life sciences sector in Catalonia. Its mission is to dynamize and support the public and private stakeholders that make up the BioRegion, the biosciences cluster in Catalonia, including companies, research groups and bodies, hospitals, universities, administrations and knowledge and innovation - transfer support structures. In order to carry out this mission, Biocat promotes initiatives to encourage research, innovation and business growth, with the aim of making this sector a driving force for the Catalan economy and boosting its global recognition.

Areas of specialization: Entrepreneurship, training and talent, internationalization, scientific debate, strategic projects

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Spanish National Research Council (CSIC)

CSIC performs high quality multidisciplinary research related to health, nutrition, novel technologies and social integration of the elderly: brain functions and neurodegenerative diseases, cancer, cardiovascular diseases, rare diseases, chronic inflammatory diseases, new medicines and biomarkers, new stem cell therapies, models of diseases and molecular imaging, foodomics, emerging technologies (nanoscience and ICT systems in diagnosis and treatments, exoeskeletons, etc.), active and healthy ageing (innovative methods for hearing loss, presbyopia, physical and social environments, etc.).

Areas of specialization: Biomedicine, Nanoscience, Robotics and Automation

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GMV

GMV, as a leading and innovative ICT Company, has developed a complete portfolio of healthcare products, solutions and services, ranging from diagnosis to patient monitoring and taking along the way organization management, health study methodology integration, disease control and even cutting-edge virtual-reality simulation techniques. GMV’s groundbreaking products give healthcare professionals and managers a whole new set of techniques and resources to work with, helping them to improve society’s quality of life.

Areas of specialization: multi-morbidities monitoring and assurance platform, big data, clinical and epidemiological data analysis platform

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“La Caixa” Banking Foundation

Scientific research and innovation transfer to society, in the field of health and biomedical research, mainly in cancer, cardiovascular and neurodegenerative diseases, beside a care attention program on the elderly and most fragile population, following the RRI framework and guidelines.

Areas of specialization: Banking foundation, Social outreach

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LEITAT

LEITAT has a strong focus on diagnosis and therapy of oncologic, inflammatory, autoimmune and angiogenic diseases. LEITAT is recognized expert in the field of Nanotechnology, including NanoMed. Furthermore, LEITAT’s Engineering expertise is focused on Medical Devices and Computational Simulation.

Areas of specialization: oncology, medtech, nanomedicine, preclinical validation, toxicology, microbioma, PoC devices

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Sant Joan de Déu Health Park

PSSJD includes a General Hospital and a Large Network of Mental Health Services. It focuses on bringing together basic research scientists and research clinicians mainly in the areas of public health, mental disorders, ageing and disability.

Areas of specialization: Impact, Risk and Prevention of mental Health Disorders, Psychotic Disorders, Health Technology Assessment, Mental Health, Geriatrics, Neurology, Traumatology, Respiratory Diseases, Cardiology

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P.A.U. Education

PAU’s unique participatory approach builds on three innovative principles that will make young people, senior citizens and local communities catalysts of health changes: foster participation and enable coordinated action in the community involving among other schools with an integrated monitoring and evaluation.

Areas of specialization: Health education, health promotion, digital education, healthy living/lifestyle intervention, obesity and NCDs, active ageing, MOOCs

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PREMAP Seguridad y Salud

Premap, the first consultancy firm in Spain for occupational health and safety matters, offers you comprehensive advice, from the identification of risks to the implementation of preventive solutions, offering a global service in health and safety matters, both in Spain and overseas.

Areas of specialization: Occupational Health and Safety, Occupational Medicine, Industrial safety, Environmental safety, Industrial hygiene, Special ergonomic studies and Applied psychosociology.

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SERMAS

Regional Health System, including the University Hospital of Getafe (HUG), with a large tradition in caring for older patients. The Geriatric Department of HUG works since 1991 and currently attends patients along its Units: Acute Care Unit (1800 patients/year), Orthogeriatric and Interconsultation Unit (800 patients/year), Day Hospital (300 patients/year), Outpatient Office (4000 patients/year), and Domiciliary Care Unit (1200 patients/year). Since the launching of the Hospital, ageing and diabetes have been two of the official research programs, as approved by the Local Research Committee. Because of that, several research groups at the Hospital have been engaged in research activities related to these two fields. Among the several outputs from this initiative, a Clinical Research Unit specifically designed for older people has been developed.

Areas of specialization: ageing, diabetes, frailty

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