4Y FN

Powering startups

26 — 29 Feb 2024

CATALONIA HEALTH INNOVATION ECOSYSTEM PAVILION

PROGRAM

HALL 8.0 - 4YFN

#4YFN24

Generalitat de Catalunya

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CATALONIA HEALTH INNOVATION ECOSYSTEM PAVILION

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MONDAY 26

10:00 — **Startup Pitch – New technologies applied to healthcare**

Startup companies with a stand in the Pavilion during the first two conference days get an opportunity to pitch their projects in 5 minutes with a final open Q&A round: Abzu Barcelona, Biel Glasses, Nanodecal, Time is Brain, Trialing and Zoundream.

Organised by: Biocat

12:00 — **Are you considering your Digital Health Technology to be part of the portfolio of the National Health System (NHS)? This is what you need to know**

Introduction to the DHT assessment and the approved framework by the Ministry of Health for NHS evaluation.

Organised by: Agència de Qualitat i Avaluació Sanitàries de Catalunya (AQuAS)

12:30 — **Cultivating Innovation and Entrepreneurship Among Clinicians Worldwide: the Case of the Healthcare Entrepreneur Exchange Programme**

Presentation of the Healthcare Entrepreneur Exchange Programme (HEEP), a pioneering initiative led by Hospital Germans Trias i Pujol, designed to cultivate a spirit of innovation and entrepreneurship within the healthcare sector.

Organised by: Institut Català de la Salut (ICS) - Hospital Germans Trias i Pujol

13:00 — **DigiPatICS. A challenge an opportunity**

The challenging task of fully transforming digital pathology for primary histopathological diagnosis involves overcoming technical and functional difficulties to realize more efficient workflows and evident advantages.

Organised by: Institut Català de la Salut (ICS)

14:00 — **Integration of Drones into the Catalan Healthcare System**

Catalan healthcare integrates drones for improved access and rapid response, with ongoing projects for sample and equipment transport and an emergency assistance drone in development.

Organised by: Fundació TIC Salut Social (FTTS)

14:30 — **Real World LaB: a LIVING-LAB focused on Primary Care**

Introducing a new Primary Care LIVING-LAB, created to support testing and validating health technologies, including Artificial Intelligence algorithms, applications, platforms, medical devices, or processes, for entrepreneurs, researchers, and investors.

Organised by: Institut Català de la Salut (ICS) and Institut Universitari d'Investigació en Atenció Primària (IDIAPJG)

15:00 — **Health records interoperability public-private: Blue Button in Catalonia**

Catalonia's innovative 'Health Data for Sharing-Blue Button' on the La Meva Salut platform allows users to securely download and share clinical data, with plans for future expansion.

Organised by: Associació Catalana d'Entitats de Salut (ACES) and Fundació TIC Salut Social (FTTS)

16:00 — **RELISTEN: Towards the new era of Primary Care Consultations**

Revolutionizing patient care, innovative Artificial Intelligence software prioritizes conversations over notes, undergoing a Proof of Concept in six Catalonia Primary Care Centres for validation and scalability.

Organised by: Centre per a la Integració de la Medicina i les Tecnologies Innovadores (CIMTI-RELISTEN)

16:30 — **Innovative projects: Based Integrated Care for Heart Failure Patients and Telemedicine 4 Home Dialysys Patients**

The first project advocates for a transformative shift in Cardiac Insufficiency care processes, integrating Big Data, AI and ML. The second, is improving the experience of individuals undergoing remote dialysis treatment, supporting them throughout the process.

Organised by: Institut Català de la Salut (ICS) - Gerència Territorial Metropolitana Sud

17:00 — **Emma Molds: a new methodology for manufacturing tissue microarrays (TMAs)**

The research group on Oncology and Bioinformatics (PO&B) located at the Hospital de Tortosa Verge de la Cinta, is developing a new methodology to manufacture tissue microarrays (TMAs).

Organised by: Institut Català de la Salut (ICS) - Gerència Territorial Terres de l'Ebre

17:30 — **ManSegures: A new APP for the training of healthcare professionals in the procedure of hand hygiene.**

A project in Barcelona, Olot, and Tarragona integrates social and healthcare for elderly individuals, aiming to support caregivers and maintain a high quality of life at home.

Organised by: Institut Català de la Salut (ICS) - Hospital Universitari Dr. Josep Trueta

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TUESDAY 27

09:00 — **How to efficiently manage your visit to the exhibition? A survival kit**

Equipping attendees with tips for effective company interactions at MWC-4YFN, while also aiding companies in understanding public health system nuances for improved engagements with healthcare institutions.

Organised by: Consorci de Salut i Social de Catalunya (CSC)

10:00 — **BioRegion Startup Pitch**

Catalan health startup companies participating in the conference get an opportunity to pitch their project in 5 minutes with a final open Q&A round.

Organised by: Biocat

12:00 — **Catalonia Health Innovation Ecosystem Pavilion Visit**

Organised visit for corporates and other interested stakeholders through the startups of the BioRegion with a stand on the Pavilion the first two days of the conference.

Organised by: Biocat

12:30 — **How to address the assessment of the Artificial Intelligence in Health: a combined approach to tackle the main domains**

Explanation of the methodological approach from the Health Technology Assessment perspective: framework, evaluation phases, and collaborative assessment.

Organised by: Agència de Qualitat i Avaluació Sanitàries de Catalunya (AQuAS) and Fundació TIC Salut Social (FTTS)

13:00 EARTH STAGE — **Personalized Medicine: Technological Platforms & Solutions**

The session aims to showcase three examples of platforms serving precision and personalised medicine in Catalonia: radiomics, rare diseases and pharmacogenomics, and how they can improve the care of patients and their families, through technology (genomics, imaging, Artificial Intelligence...) and collaboration across Europe.

Organised by: Biocat and Fundació TIC Salut Social (FTTS)

14:00 — **Healthcare organisations as generators of innovation and not just clients**

Innovation means using knowledge to create resources. Health institutions are now producers, not just consumers, of innovation. Explore how this shift is managed and the crucial role of public-private collaboration in this new paradigm.

Organised by: Consorci de Salut i Social de Catalunya (CSC)

15:30 — **Catalan Initiatives in Personalised Medicine**

Roundtable with leading medical experts and researchers highlighting personalised medicine projects in oncology, neurology, and rare diseases from top hospitals and research centers.

Organised by: CatSalut.Servei Català de la Salut

17:00 — **MIRA: enhancing the diabetic retinopathy screening process with the aid of Artificial Intelligence**

Presentation of a new mobile software and system based on Artificial Intelligence to detect diabetic retinopathy in time.

Organised by: Institut Català de la Salut (ICS) - Institut d'Investigació Sanitària Pere Virgili

17:30 — **New Person-Centered Care (PCC) Model in the Vall d'Aran**

Implementing a person-centered care model in Vall d'Aran involves developing new services with a UX perspective, implementing ICT tools, ensuring interoperability, and creating a data repository for territory planning in ISHC.

Organised by: Aran Salut

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09:00

Smart Desk for Healthcare Centers

The "smartdesk" project project emerges as a novel concept for virtual assistance in primary care centers. This "digital counter" would integrate advanced self-management functionalities and new features incorporating Artificial Intelligence and ML.

Organised by: CatSalut.Servei Català de la Salut

10:00

Creating the environment for technology adoption: FAQS

Finding out the answers and the open questions to current FAQS on digital health and personalized medicine adoption from the dialogue between different stakeholders on the value chain: a technology supplier, a technology evaluator, and a healthcare provider.

Organised by: Biocat

12:00

Startup Pitch – New technologies applied to healthcare

Startup companies with a stand in the Pavilion during the last two conference days get an opportunity to pitch their projects in 5 minutes with a final open Q&A round: Biosfer Teslab, Bsure Medical, Flomics Biotech, Mefood Omics, Methinks Software and YASYT.

Organised by: Biocat

13:30

Pitch Session: Innovation & Digital Transformation in Social Services

Catalonia is immersed in a deep digital transformation process. Technology and innovation will play a fundamental role in benefiting people. In this round table, different actors will show us the progress in Innovation and Digital Transformation in Social Services.

Organised by: Departament de Drets Socials - Generalitat de Catalunya and Fundació TIC Salut Social (FTSS)

14:30

Digital Transformation in the Healthcare Sector: Remote Care

This session delves into how technology catalyzes organizational changes, empowers healthcare professionals, and fosters person-centered healthcare, with practical insights from four entities in Catalonia adopting technology as a key tool in their projects.

Organised by: Unió Catalana d'Hospitals (UCH)

16:00

ADMIT: Integrated Care Project supported by a technological platform

A project in Barcelona, Olot, and Tarragona integrates social and healthcare for elderly individuals, aiming to support caregivers and maintain a high quality of life at home.

Organised by: Institut Català de la Salut (ICS) - Parc Sanitari Pere Virgili

16:30

Catalonia's Health AI Program: Revolutionizing Healthcare through Artificial Intelligence

Discover Catalonia's Health AI Program, utilizing Artificial Intelligence for enhanced healthcare quality and prevention. Explore challenges and ambitions, fostering collaboration and aligning the healthcare system, with over 150 Artificial Intelligence tools identified across the region.

Organised by: Fundació TIC Salut Social (FTTS)

17:00

Presentation of the future Tele-ICU (Intensive Care Unit) for the Terres de Lleida Region

Presentation of the future Tele-ICU Territorial de les Terres de Lleida, creating a clinical and technological ecosystem for the assessment, on-site monitoring or referral of critical and semi-critical patients that are generated throughout the territory.

Organised by: Institut Català de la Salut (ICS) - Gerència Territorial de Lleida

17:30

Digital health and care for integrated care

The workshop will discuss the experience of the long journey of Integrated Care in Catalonia that have been in place for some years and have endured various challenges over their journey.

Organised by: Generalitat de Catalunya

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THURSDAY 29

09:00 **The Role of Technology in the Healthcare Transformation Process in Catalonia**

This session delves into key elements and challenges in implementing digital transformation in healthcare, sharing practical experiences from two Catalonia centers on adopting technology for remote care.

Organised by: Unió Catalana d'Hospitals (UCH)

10:00 **Virtual Self-dialogue Using Motivational interviewing Techniques to Foster Healthy Eating and Physical Activity: A Study of Usability**

The project SOCRATES examines the usability of a VR platform, named ConVRself, designed to address the needs of individuals living with obesity.

Organised by: Institut Català de la Salut (ICS) - Hospital Universitari Vall d'Hebron

10:30
SKY STAGE

Home Health&Social Care: Artificial Intelligence for integration

The emergence of data-intensive technologies - 'big data', algorithms, predictive models and robotics - is becoming a great opportunity for the provision of more and better services, both public and private, and for the creation of a new technology and knowledge-intensive industry. It can also become a risk if not approached with due care and professionalism. The sessions aim to showcase examples in Catalonia and some trends from a university perspective.

Organised by: Biocat and Fundació TIC Salut Social (FTTS)

11:30 **Dinder Club, the first dating and planning app for people with intellectual disabilities**

Provide people with intellectual disabilities the same opportunities and rights to have safe relationships among them. A mobile application that helps create friendship and positive love relationships in a safe space.

Organised by: Dinder Club

12:00 **UPRETINA, Clinical validation of an Artificial Intelligence algorithms for the detection of different central-involved retinal pathologies and glaucoma by using a non-mydriatic camera**

Presentation of the UPRETINA diagnostic system. In this study, we assessed the performance of Artificial Intelligence algorithms, specifically convolutional neural networks (CNNs), for screening ophthalmic diseases in real-world settings.

Organised by: Institut Català de la Salut (ICS) - Atenció Primària Catalunya Central

12:30 **Pilot test on the use of 5G technology for the provision of healthcare services in the Terres de l'Ebre Region**

Leveraging 5G, a proof of concept tests the integration of devices for efficient and quality information transmission in remote healthcare scenarios.

Organised by: Fundació TIC Salut Social (FTSS) and i2CAT

13:30 **Catalonia Health Innovation Ecosystem Pavilion Visit**

Organised visit for corporates and other interested stakeholders through the startups of the BioRegion with a stand on the Pavilion the last two days of the conference.

Organised by: Biocat

14:30 **Innovative digital solutions to address current challenges and improve the community's quality of life**

Discover Suara's innovative projects that are transforming the way we care for people through digital solutions.

Organised by: Suara

15:00 **Information systems strategy: the Wsocial project**

The wSocial initiative encompasses the modules and processes necessary for creating an integrated Social Services workspace within the eSocial platform - a pivotal technological lever for driving digital transformation within the Department of Social Rights.

Organised by: Departament de Drets Socials - Generalitat de Catalunya

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STARTUPS EXHIBITING

Abzu Barcelona, S.L.
abzu.ai

Artificial Intelligence (AI) solutions for Pharma and Biotech, accelerating drug discovery and development through efficient data analysis, enhancing innovation in RNA therapeutics and personalized medicine.

Business Type: B2B/B2C
Hardware/Software: Software
Industries: Digital Health

BIEL GLASSES
bielglasses.com

Smart glasses for people with low vision (LV) that use Spatial Computing (Robotics, AI, and Mixed reality) to improve perception of obstacles and other mobility risks, increasing their personal autonomy.

Business Type: B2B/B2C
Hardware/Software: Hardware/Software
Industries: Medical Technology

Nanodecal
nanodecal.com

A rapid diagnostic test for detecting a respiratory superbug to prevent chronic infection.

Business Type: B2B
Hardware/Software: Hardware/Software
Industries: Biotechnology

Time is Brain, SL
tibtimeisbrain.com

Stroke electrocardiogram that enables real-time identification and assessment of stroke patients, ultimately leading to faster treatment decisions and improved patient outcomes.

Business Type: B2B
Hardware/Software: Hardware/Software
Industries: Medical Technology

Trialing Health, S.L.
trialing.org

Comprehensive digital health platform that assists physicians in efficiently finding the most suitable clinical trials for their patients, wherever they are.

Business Type: B2B
Hardware/Software: Software
Industries: Digital Health

Zoundream SL
zoundream.com

Personalized system to identify and translate baby cries to detect pathologies and abnormal behavior.

Business Type: B2B/B2C
Hardware/Software: Software
Industries: Digital Health

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STARTUPS EXHIBITING

Biosfer Teslab
biosferteslab.com

Business Type: B2B/B2C
Hardware/Software: Software
Industries: Biotechnology

Advanced solutions in metabolomics by NMR for clinical diagnosis, scientific research, and personalized well-being. Liposcale test for the diagnosis and monitoring of cardiovascular diseases.

Bsure Medical
bsuremedical.com

Business Type: B2B/B2C
Hardware/Software: Software
Industries: Biotechnology

Solutions to guarantee safe and knowledgeable use of implants for clinicians and implant users. First two products are 2 DNA tests to determine the risk of complications with fillers and breast implants.

Flomics Biotech
flomics.com

Business Type: B2B/B2C
Hardware/Software: Software
Industries: Biotechnology

Multi-purpose liquid biopsy, capable of detecting cancer even before the first symptoms appear. The test combines genomics with machine learning, everything out of a blood sample.

Mefood Omics
mefood.io

Business Type: B2B/B2C
Hardware/Software: Software
Industries: Digital Health

Personalised nutrition company that combines omics, Artificial Intelligence (AI) and big data to deliver tailored solutions that improve individual health and wellbeing.

METHINKS SOFTWARE, S.L.
methinks.ai

Business Type: B2B
Hardware/Software: Software
Industries: Digital Health

A program to help predict strokes, providing decision support for life-saving treatment and reducing time to treatment.

Yasyt
yasyt.com

Business Type: B2B/B2C
Hardware/Software: Hardware/Software
Industries: Medtech/Digital Health

Assistive solutions using social robots, smart devices and IoT. It also offers a services line dedicated to AI, web3.0, and organizational transformation in health and social sector.

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