15 June 2022
Auditorium Testori
Piazza Città di Lombardia, 1
Palazzo Lombardia, Milan

CONFERENCE 10.00 -13.00
EXPO VISIT 9.15 -15.00

Medtech4
Europe
Interreg Europe

European Union
European Regional
Development Fund

Medtech4Europe
Final Conference

Visit the event page

9.15 – 10.00
Registration and Welcome Coffee & **EXPO VISIT**

AGENDA

10.00 - 10.05
Opening (Cristina De Capitani, Cluster Manager - Custer TAV - TechForLife)

10.05 - 10.10
Istitutional Greetings (Minister of Education, University, Research, Innovation and Simplification - Region Lombardy)

10.10 – 10.15
 Welcome Speech (Maurizio Crippa - President, Custer TAV - TechForLife)

10.15 – 10.30
MedTech & MIND - Milan Innovation District (Giuseppe Banfi, Scientific Director - Galeazzi research hospital)

10.30 – 10.45
Interreg Europe: State of play (Ana Mihaljevic, policy officer - Interreg Europe joint secretariat)

10.45 – 10.55
The Medtech4 Europe project (Céline Quester, project manager - Auvergne-Rhône-Alpes Region – Lead Partner)

10.55 -11.30
ROUND TABLE 1: *Sharing experience between Regions to improve promotion of innovation for medical technologies and clinical trials*
Moderator: Giuseppe Andreoni Full Professor at the Department of Design – Politecnico di Milano

- *How to promote effectively innovation for medical technology: the transfer of the CEA technological innovation showroom initiative to South Transdanubia* (Ms Edina Szabó-Melegh, senior lecturer in UP Medical School, Dept. of Biophysics - University of Pecs, STRIA, CEA)
- *sPATIALS3 & Supplementation: The importance of multidisciplinary approach & clinical trials* (Marco Bernasconi, CEO - FlaNat Research Italia Srl)
- *Clinical study guide Baden-Württemberg* (Jacqueline Fritz, Project consultant, Steinbeis Europa Zentrum)

PITCH: Cluster TAV - TECHForLIFE SME - Netpolaris S.r.L

Regione Lombardia
www. regione.lombardia.it
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11.30 - 11:55

ROUND TABLE 2: *Supporting SMEs in medtech through regional actions*

Moderator: Flavio Ventura, GM Conf Industries S.r.l

- *Support measures to SMEs to take advantage of the new regulatory context in medtech* (Heikki Kallasvaara, Senior Advisor - Helsinki-Usama Region)
- *SME Perspective: "Digital Therapeutics for cognitive rehabilitation at home"* (Felice Catania, Senior Technical Support & Business Consultant - Astir S.r.L)
- *Developing the non-financial support scheme for SMEs* (Izabela Czeremcha, Project Manager, Upper Silesian Accelerator for Commercial Enterprises Ltd -GAPR)

   PITCH: Cluster TAV - TECHForLIFE SME - Idrogenet S.r.L

11.55 – 12:25

ROUND TABLE 3: *Improving regional and European collaborations to prepare for future challenges in medtech*

Moderator: Franco Molteni - Director of Valduce Hospital Physical Medicine and Rehabilitation Department, "Villa Beretta" Rehab Centre

   *Improving regional collaboration

   Collective work on the regional overview of the medtech industry in Auvergne-Rhône- Alpes (Bérengère Bougué, Research and innovation officer, Auvergne-Rhône-Alpes Region)

   *Improving Interregional cooperation between Regions
   Cooperation between the Regions of Limburg and Lombardy:

- *The cooperation possibilities with Polihub and Cluster TAV - TechForLife* (Daniëlle Curfs, CEO at Medace BV/ Kurt Gielen Chief Business Officer at Medace BV)
- *From data interoperability and data harmonization towards population health management and value based healthcare* (Dario Montermini, Founder - P.G.M.D Consulting)

   How to manage home care with AI (Cristina Andersson, Senior Consultant - Develor Productions Oy)

   PITCH: Cluster TAV - TECHForLIFE SME - Moxoff S.p.a.

12.25 – 12.40

The challenges for Limburg (Netherlands) in personalised Medicine with a perspective towards European Cooperation (Yvo Graus, Chief Operating Officer at Brightlands Maastricht Health Campus / Bas Peusens, Program manager of Brighlands Maastricht Health Campus/ Dirk Plees, Senior Policy Advisor for the Province of Limburg)

12.40 Conclusions (by moderators)

13.00 - 15:00 Networking Light Lunch & EXPO VISIT

Register to attend the event at Palazzo Lombardia:
https://forms.gle/vy65SD1sExxd18DJ6

Watch the event in live Streaming:
https://www.openinnovation.regione.lombardia.it/it/eventi/medtech4europe

Cluster TAV - TechForLife
EXPO

Presentation of innovative prototypes, products and services of the partnership/stakeholders.
Opportunity of B2B and networking with a cup of coffee.

PROJECTS

CALL HUB SMART & Touch-ID

In the SMART&Touch-ID HUB (Lombardy Region call HUB - 2014/2020 ROP ERDF) a collaboration started between IRCSS Fondazione Don Gnocchi, Università degli Studi di Milano-Bicocca and Astir srl during another project financed by the Lombardy Region (ABILITY - TeleRehabilitation; 2014-2020 ROP-ERDF) and developed with the support of the TAV-TechForLife Cluster is realised again.

The SMART&Touch-ID HUB operates through the launch of challenges in which the worlds of rehabilitation and technology development can work together to create and validate technological solutions (i.e., from wearable devices to persuasive games to digital solutions at various levels of immersiveness) to be integrated into the care pathways of people with chronic non-communicable diseases.

Official website: http://www.smart-touch-id.com/#/home

CALL HUB sPATIALS3

The sPATIALS3 project (Lombardy Region call HUB - 2014/2020 ROP ERDF) aims to develop improved agrifood production and innovative technologies for a healthier, safer and more sustainable food supply.

Cluster TAV - TechForLife played a supportive role in setting up the partnership, assisting the coordinators in identifying project partners and assisting with the collection of data and information necessary for submitting the application. This supporting role allowed the Foundation to involve 4 TechForLife clinical partners (Valduce Hospital - Villa Beretta, Nemo Clinical Centre, IRCCS E. Medea - Associazione La Nostra Famiglia, IRCCS INRCA) who enriched the project proposal by including the medical point of view. The presence of the clinical centres also enabled the planning of a validation and testing campaign of the project results extended to different age groups and types of frail individuals.

Official website: https://hubspatials3.it

HEALPS2

The project HEALPS2 (Healing Alps: Tourism based on natural health resources for the development of Alpine regions - Interreg Alpine Space) aims at fostering the recognition of the Alpine space as a place of health promotion at global level for the sustainable development of Alpine regions. The main objective is to identify a recognized model for the sustainable exploitation of Alpine natural resources for health tourism. The scientific research will lay the foundations for the development of tools for tourist destinations and the peculiarities of the different territories and entities involved will be included in the model, to increase the effectiveness and practical usefulness of the proposed solutions. In this way it was possible to developimplementation tools oriented to the sustainable use and conservation of Alpine natural resources.

Official website: https://www.alpine-space.org/projects/healps-2/en/home

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Cluster TAV - TechForLife's PARTNERS

NETPOLARIS S.r.l *- The.ADI* - **Winner of TECH FAST Lombardia**
Electronic medical record technological platform specialized in the management of the processes of taking charge, planning and reporting of the residentials units (Residential Care Facility) and home care units (ADI).
Official website: https://www.the0.it/

IDROGENET S.r.l *- Gloreha Opera: Gloreha devices represent a valuable aid to hospitals, clinics and rehabilitation centers activities: assisting the patient in all phases of treatment.* - **Winner of TECH FAST Lombardia**
With "Gloreha Opera", the aim is to develop an advanced device for motor treatment of the entire upper limb and neurocognitive training, consisting of an ergonomic and integrated workstation that allows the full application potential of the robotic glove, of which Idrogenet holds the exclusive international patent.
Official website: https://www.gloreha.com/?lang=it

ASTIR S.r.l *- Ricordo DTx* - **Winner of TECH FAST Lombardia**
SME Astir Srl has entered the market of technological solutions for home-based cognitive rehabilitation thanks to a product it is developing as part of the RICORDODTx project, financed by the TECH FAST 2021 Lombardy Region call for tenders and which it is carrying out with the collaboration of Fondazione Don Gnocchi for the clinical aspects and Cluster TAV-TechForLife for the communication and dissemination aspects. The RICORDO platform facilitates the management of rehabilitation therapy by the clinician (doctor and therapist), allowing therapy to be customised to the individual patient.
Thanks to the RICORDO APP, installed on the patient's mobile device, the patient is guided and monitored step by step along the therapy path.
Official website: https://www.astir.com/innovazione/astir-progetto-ricordo-dtx/

CORAPACK S.r.l *- Development and optimisation of innovative processes for the manufacture of new flexible, multilayer, active and biodegradable packaging* - **Winner of TECH FAST Lombardia**
Development and optimisation of innovative processes for the manufacture of new flexible, multilayer, active and biodegradable packaging
The project starts with the idea of creating a prototype machine for the manufacture of multilayer packaging equipped with a cold plasma module for film activation pre-treatment and adhesion of the layers by reducing the use of glues or primers.
Atmospheric plasma treatment is integrated into the gluing lines to activate the substrate before the glue is applied, in order to promote the 'seal' between the two films.
The plasma cleans the surface and acts on its surface tension, ensuring maximum adhesion.
Official website: https://www.corapack.com/

BECOME S.r.l. *- Virtual reality immersive experiences to relieve anxiety and stress, validated by multicenter clinical trials.*
BECOME is a multidisciplinary hub for the innovation of psychological practices in clinical, organizational, sports and wellbeing contexts. It designs and implements applications and protocols for Mental Health that use new digital technologies - mainly Virtual Reality, Augmented Reality and biosensory - intended for professionals and aimed at active learning, psychological wellbeing and the promotion of positive change for people.
Official website: https://www.discoverbecome.com/

MATH BIOLOGY *- Non-invasive early diagnosis system*
The Math Biology biotechnology, including biosensors and a cloud artificial intelligence application, enables a non-invasive Deep Metabolism Assessment (DMA) to support early diagnosis, personalized care, sports medicine & nutrition programs. Math Biology, accredited as an innovative start-up, levers the combination of different sciences, Biology contextualized to the human body, Physics, and Mathematical modeling.
Official website: https://mathbiology.tech/

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CONF INDUSTRIES S.r.l. - *Innovative system for negative pressure patient rooms ventilation "isolated" and real-time scheduling for Operating rooms*
Since 1961 the company has been producing trolleys, containers and technical furniture in aluminium, steel, stainless steel and polypropylene for internal logistics in a wide variety of industrial sectors.
Specifically, it operates mainly in sectors such as: textiles, hospitals, industrial laundries and hotels; it is the European market leader for the production of containers for the collection of confidential documents, as well as a trusted supplier of some of the largest cruise lines. It also produces turnkey operating theatres, taking care of the design phase up to on-site installation.
Official website: http://www.confindustries.it/it/index.html

FLOKY SOCKS S.r.l. - *Innovative socks based on the principles of biomechanics aimed at preventing injuries by improving recovery and quality af life for those who practice sports*
The FLOKY sock is an accessory designed for sport and for people who do sport. FLOKY exploits the principles of Applied Biomechanics to bring benefits, improve athletic performance and at the same time prevent body wear and injuries during physical activity thanks to innovative screen printing applications
Official website: https://www.flokysocks.com

MOXOFF S.p.a - *Moxoff S.p.a. developed a product to help doctors in better assessing the rupture risk of abdominal aortic aneurysms*
Moxoff is a spin-off company of Politecnico di Milano, born in 2010 and providing innovative solutions based on data science, mathematical modeling and optimization. Moxoff is a member of the TechForLife cluster. Moxoff has realized more than 300 cross-industry projects and solutions, in multiple real-world case studies. In the context of Medtech, Moxoff works on translational medicine, personalized diagnostics, and patient-specific treatment, leveraging the fusion of mathematical simulation and data science. In particular, Moxoff was involved in the first wave of Covid's pandemic in a productive collaboration with Lodi's hospital, implementing a tool to monitor Covid patients' hospitalization, keeping the intensive care unit under control. In addition, Moxoff developed a product to help doctors in better assessing the rupture risk of abdominal aortic aneurysms. Moxoff was able to segment and reconstruct the patient-specific geometry of the aneurysm from clinical data. Personalized computer models of the blood vessels were generated and fluid dynamics simulations were leveraged to augment the information available for the clinicians to determine the best tailored treatment.
Official website: https://www.moxoff.com/en/

CNR STIIMA - *PhiCube Device*
PhiCube is a friendly portable robotic device for bilateral upper-limb rehabilitation, featuring a wide range of trainable functional movements. PhiCube is a robotic device for upper limb rehabilitation. Thanks to its peculiar design and set of optimized accessories, it allows a wide range of bilateral gestures. The coordination between the upper limbs can be customized according to the residual capabilities of the user. Modularity and flexibility make PhiCube widely accessible. Portability and adaptability facilitate personalized rehabilitation training in telerehabilitation settings.
Official website: https://www.phicube.it/

MIBTEC, Mind and Behavior Technological Center - *Virtual reality, technology and behaviour research centre of the University Milano Bicocca*
Mibtec provides knowledge and technologies to generate scientific research or business solutions centred on human experience in virtual environments. It boosts and supports businesses ideas in the field of work, learning, sustainable and healthy behaviour, marketing and design to provide services and create products when the virtual experience is the essential variable. We present a few projects in the field of exposure therapy (public speaking anxiety), and health monitoring/improvement in neuroscience (evaluation and rehabilitation of cognitive performance through technologies).
Official website: https://www.mibtec.it/it/