



**When?** 23 March 2018 (9:30-12:00)  
**Where?** From your office, through Tamashare  
**Register** [cross4health.eu](http://cross4health.eu)

Cross4Health organizes Team Building events to facilitate partnerships between companies in the **Aerospace, Energy, ICT, Biotechnology** and **Medical Device** sectors and based in any EU country or associated with H2020, to promote their collaboration in seeking solutions for social health challenges.

The 1<sup>st</sup> Cross4Health Team Building Event is expected to bring together SMEs from different countries and sectors in order to find new partners, generate innovative ideas that address the challenges of Cross4Health's Open Call and ultimately pave the way for them to apply for the 1st Cross4Health Open Call.

This innovative event will be organized using Tamashare, a special tool that will allow all SMEs to connect simultaneously from their own premises and work at the same time in different virtual discussion tables on different predefined topics.

These subtopics have been extracted from the challenges proposed for the 1st Cross4Health Open Call and are listed and explained below.

**To participate in this event, registration is compulsory. It will remain open until March 12 2018** and must be done through the website: [cross4health.eu](http://cross4health.eu)

In the registration all SMEs are requested to select one of the Virtual Table Topics, inform their expertise, project idea (if already existing) and missed expertise looked for to complete the project idea. The participation is limited to 6 SMEs per Virtual Table Topic. Cross4Health project partners will make a pre-screening and matching of registered SMEs and confirm their participation.

# AGENDA. - 23 MARCH 2018

<b>08:45 - 09:30</b>	<b>Connection to the Tamashare tool</b>
<b>08:30 - 09:40</b>	<b>Cross4Health introduction:</b> Open Call and Challenges
<b>08:40 - 09:50</b>	<b>Explanation of the Team Building Event</b> concept and approach
<b>08:45 - 09:30</b>	<b>Questions/answers</b> and switch to the Team Building
<b>10:00 - 12:00</b>	<b>Team Building sessions</b> in 8 Virtual Tables: Each Virtual Table is animated by a topic expert and assisted by a cross4Health project partner

## JOIN ONE OF OUR VIRTUAL TABLE TOPICS:

C4H OPEN CALL CHALLENGES	VIRTUAL TABLE TOPICS
PROVIDE SAFE DISTANT CARE	<p><b>1. Home care and home-based follow-ups</b> The challenge is to help patients to undertake shared management of chronic diseases, empower patients and care providers, and promote independent and active living at home using connected care solutions.</p> <hr/> <p><b>2. Prevention of hospitalizations</b> Innovations on the chronic disease management can reduce hospitalizations. Preventive solutions can slow the onset of new patients with chronic illnesses, as well as solutions that allow chronic patients to remain independent may decrease avoidable readmission to hospitals.</p> <hr/>
OPTIMISED CARE ENVIRONMENTS OF HOSPITALS	<p><b>3. Training of health professionals</b> New training methods and devices for health professionals are becoming more and more important for a better healthcare. This includes e.g. the simulation of chirurgic treatments by using games, VR/AR, etc. as well as training for communication devices between the health professionals, but also with the patients and their relatives.</p> <hr/> <p><b>4. Decision support (AI, big data...)</b> The challenge is how to better acquire, manage, share, model, process and exploit big data to effectively monitor health status of individual patients, provide overall actionable insights and improve quality of life of the patient. Information can be collected from traditional sources of health data (cohorts, electronic health records or clinical registries, incl. genetic data), from new sources of health data (mobile health apps and wearables).</p>



FASTER PROCESS  
FROM SAMPLE  
TO RESULTS

### **5. Better treatments assisted by different technologies (distant commands, AR VR, robotics...)**

Robotic and cobotic equipments, augmented and virtual reality assistance, navigation systems, distant control of equipments, crisis management tools, 3D printing etc. might facilitate surgeries in an optimized operating room and contribute to personalized treatments. Also, some of these technologies (AR/VR, 3D printing) can be used to increase patient awareness and thus empowerment.

### **6. Prevention of healthcare related infections**

Innovative solutions within health-related infections subarea can have a massive reduce of healthcare costs and save lives, since every year 6% of patients in EU are affected and costs €7 billion each year. Solutions can increase the knowledge of bacteria/contamination areas and erase the risk of its existence on all types of surfaces/materials (contact areas, water, air) and support the cleaning process – solutions can be found in a wide range of areas. Example of areas: self-cleaning surfaces or materials, cleaning robots, new hand hygiene solutions, bacterial tracking and identification systems.

### **7. The content: accurate and fast analysis**

Earlier diagnosis and treatment improve patient prognosis and increase the patient treatment ratio. This is of high relevance in countries with growing and ageing populations, where it is a challenge to keep a sustainable healthcare system.

### **8. The style: minimally invasive, quickly transportable**

Screening and early diagnosis needs highly sensitive, less invasive and more affordable testing allowing faster delivery of risk-stratified results at point-of-care including via remote data access. Technological styles could include: non-invasive liquid biopsy, optical and piezoelectric biosensors and microwave imaging with RF sensors (and sensor arrays). Markers used for detection through these styles will include: proteomic and genomic biomarkers. Combined with clinical data these will generate more accurate and personalised prevention and treatment options for patients with conditions ranging from Alzheimers to rare cancer types.



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