



The 3rd European Cross4Health Hackathon event Kongsberg 23-24 January 2019

GUIDE FOR APPLICANTS



Cross4Health



Norway
Health Tech



MIT
HACKING
MEDICINE



Kongsberg
Innovasjon



telenor



VESTRE VIKEN



SUNNAAS SYKEHUS



Welcome to Hack4Health

The Hack4Health event will demonstrate cooperation between stakeholders from the Healthcare value chain and industries aiming at transferring technology and know-how to the benefit of personalized healthcare. We have invited Sunnaas Hospital and Vestre Viken Hospital Trust to present their real-life challenges within the continuum of care for you to tackle during the two-day Hackathon. Telenor will take part as enabler of new and disruptive technology with their 5G node at Kongsberg. SME-led teams are invited to come up with new solutions based on this.

Hack4Health will take place at the University of Southeast Norway, campus Kongsberg during the 23rd and 24th of January 2019. We are also inviting all participants and stakeholders to a networking event in Oslo on the 22nd of January.

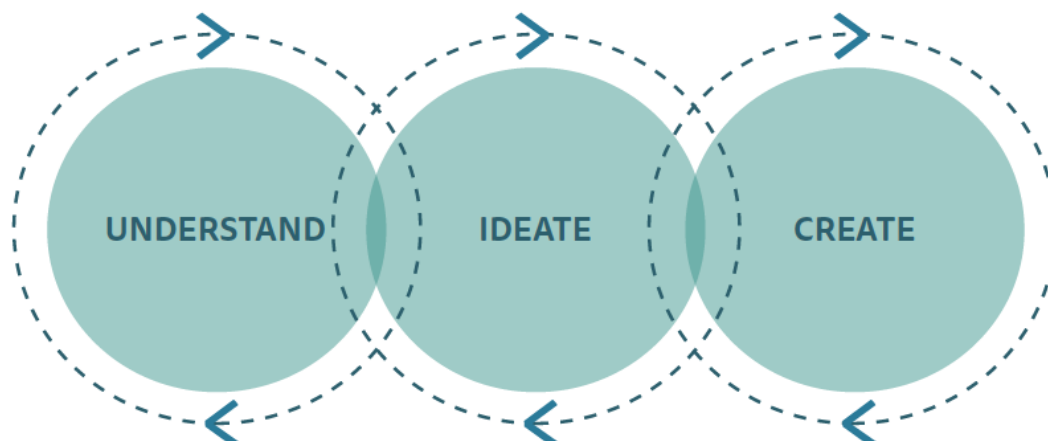
Hack4Health is not only a competition, but also an opportunity to get guidance, create new ideas, and meet real challenge owners whom can implement the ideas from the hackathon. The challenge owners will be a mix of research institutions and hospitals who are facing challenges in their daily business and are looking for innovative solutions to improve the continuum of care.

Over the two days, you will receive support in terms of design thinking methodology to help you structure your thinking and unleashing creativity; business coaches will also be available to provide guidance in terms of business modelling (intellectual property, regulation, market access or access to funding). You will get support in how to present and pitch your idea from pitch coaches and illustrators. Further, the challenge owners will be present throughout the event to allow a better understanding of the challenges to be solved.

Hack4Health is based on the methodology developed by MIT Hacking Medicine with the purpose to inspire innovation and impact the healthcare sector!

The Cross4Health team encourages participants to come with an open mind, ready to explore a particular challenge, ideate potential solutions and create business models and concept prototypes.

Bring your enthusiasm and energy and join us for three inspiring days!



Agenda:

22 January 2019	15:00 Networking event at OsloMet
23 January 2019	<ul style="list-style-type: none">• 09:30 Coffee and Registrations• 10:00 Welcome and description of methodology• 10:30 Challenge owners explain their challenges• 11:30 Lunch is served• 12:15 Teams go into 'ideation mode' and start Hacking!<ul style="list-style-type: none">○ Challenge owners/business coaches available through the process to clarify doubts• 20:00 Dinner and socialization for participants staying in Kongsberg
24 January 2019	<ul style="list-style-type: none">• 08:00 Doors open for teams• 10:00 Pitch training/Hacking• 11:00 IPR training/Hacking• 12:00 Lunch is served• 15:00 Pitching session• 17:00 Prize ceremony

The Hackathon Goals

The main objective of the C4H Healthcare Hackathon is to come up with innovative solutions for supporting the healthcare revolution. The C4H Hackathon seeks to:

- Introduce the Cross4Health project and explain how it will help innovative entities to disrupt the health markets.
- Provide the basis for teams to work on idea creation in a highly stimulating environment
- Encourage and speed up the development of innovative health solutions
- Provide 'outside the box' views and approaches on healthcare challenges
- Engage stakeholders and key actors (SME's, entrepreneurs, start-ups, hospitals, universities etc.)
- Help SME's to position themselves for the upcoming Cross4Health Open Call

What's in it for you

By participating in the C4H Healthcare Hackathon, you will have the chance to:

- Network with like-minded people
- Learn how to create concept prototypes and develop business ideas in only two days
- Engage with potential partners and customers
- Potentially turn an idea into reality
- Chance to win a prize
- Possibility of applying to the Cross4Health Open Call
- Have fun!

The Hackathon Challenges

The ideas from the Hackathon should fall within the overarching objectives of the Cross4Health project:

“Unlock the collaborative potential of SME’s from Aerospace, Energy and Creative Industries leveraged on Biotechnology, ICT and Medical Devices sectors in generating innovative solutions, business models and workflows that enhance patient-centered personalized care for societal challenges in health.”

The challenges proposed for the hackathon is aligned with the challenges in the Cross4Health 2nd Open Call. These challenges are selected as result of a need identification process conducted in six different EU countries.

1. Remote patient support.

Patient support. Lifestyle app/platform for preventive purposes specified per conditions, diagnosis or identified high risk group. Encouraging individuals to understand how lifestyle adjustments lower the risk for severe long-term disease is beneficial for both the healthcare system and the individual patient.

Patient support. Failure to adhering to suggested treatments results in rusk for the individual as well as reduced efficiency in the healthcare system. Platforms for encouraging adherence increases healthcare efficiency for the individual and healthcare system.

Rehabilitation, assistance at home. It is expected that “smarter”, more individualized, tools for assistance and rehabilitation at home will improve treatment consistency and quality for patients, while also reducing the need to regular visits.

2. Patient Management process

Logistics support. From initial triage the resulting assessment/diagnoses can use data from real-time logistic support. Through care guidelines and big data modelling internal patient journeys, with treatments and diagnostical events can be predicted with high probability. This will improve planning and patient flow and give better understanding of input and output through the caregiver system.

Diagnosis and decision support. With the use of e.g. AI, big data and/or national care guidelines, from triage most symptoms can be detected and appropriate diagnosis measures suggested. This may result in improved standardization of assessments and improved efficiency.

Challenge owners:

Sunnaas Hospital

Sunnaas Rehabilitation Hospital offers multidisciplinary rehabilitation to patients with complex functional impairment following illness or injury. The hospital’s full continuum of care focuses on community re-entry, which for many people means returning to home, work or a supported, community living environment.

Vestre Viken Helseforetak

Vestre Viken Hospital trust is composed of the hospitals in the municipalities Bærum, Drammen, Kongsberg and Ringerike, as well as the local medical centre Hallingdal sjukestugu. On top of this they are also offering a complete range of treatment services within the field of mental health and substance abuse.

Eligibility

The contest is open to teams led by legal entities (Small and medium-sized enterprise's or start-ups) as well as individual entrepreneurs established in a European or H2020 associated country. This is a requirement to participate.

Teams composition is open but there must be a team leader (e.g. an entrepreneur). Teams must be composed of 3-5 individuals and be multidisciplinary (including individuals with, at least, business and technical profiles relevant to healthcare, and if possible, a link to users relevant to the challenge they are addressing). Students and other individuals that wants to participate is welcome to join the teams, but only legal entities can be team-leaders. We recommend that compounded teams to have an internal agreement.

Each team can only address one of the proposed challenges and should not aim at bringing already developed solutions to the Hackathon. The aim is to create disruption and come up with novel solutions.

Registration and application

In order to participate it is necessary for the team leader to register through the Cross4Health Webpage. Persons without a team can register as looking for a team.

Deadline January 18th

A maximum of 10 teams will be selected and invited to attend and participate in the C4H Hackathon. The Cross4Health Management Committee will choose the best teams to solve the given challenges based on team skills complementarity, fit to the challenge and justification for addressing the challenge.

Selected teams will be announced January 21st

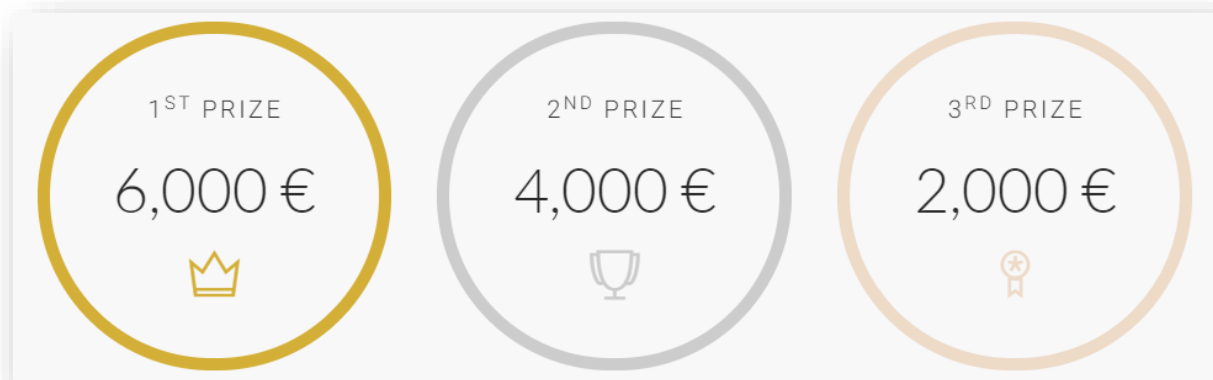
Pitching of ideas

At the end of the second day of the Hackathon (January 24) the teams will pitch their concept prototypes to a panel of experts (jury) whom will vote them based on established criteria. Each team will have to prepare a 5 minutes pitch on their idea and present it to the Cross4Health Jury, whom then will have 2 minutes to ask questions.

Every team will be evaluated based on the following criteria:

CRITERIA	SCORE WEIGHTING (0-10)
Innovation of the Idea	(x 1)
Potential Impact	(x 1,5)
Implementation Plan/Traction	(x 1)
Presentation	(x 1)

The Cross4Health Hackathon winners will be announced shortly after the pitching. The 3 best teams will receive prizes:



Jury

The C4H Hackathon Jury panel will be selected and approved by the Cross4Health Management Committee, it will be made public no later than January 21st on the Cross4Health Website. The jury will evaluate the concept prototypes and issue recommendations. The 3 winners will receive a small report including those recommendations.

Follow-up and handling in prizes

Any team is free to engage with the challenge owners to take their idea forward after the event takes place.

For receiving the prizes, the winners of the C4H Hackathon will have to produce a small report on how they would address the Jury recommendations in taking their idea forward. Once this has been received and administrative details provided for the team leader SME, the prize is paid. The payment is made to the team leader.

Other Considerations

Documents

Winners of the C4H Hackathon will be required to provide clearance on taxes and social security obligations before receiving the payment. A check about rightfulness of the intellectual property rights of the winner will also be carried out.

Data Protection

Cross4Health partners are committed to protect and respect applicant's privacy. The personal data collected in the context of the present C4H Hackathon will be processed in accordance with the GDPR with regard to the processing of personal data and on the free movement of such data. Applicant files will be retained in Cross4Health archives until the end of the project activities for which they submitted an application. It is possible to exercise your access, rectify, cancel or opposition rights through the private profile of the entity (delete profile) or by contacting Cross4Health data controller by sending an email to info@cross4health.eu.

Intellectual Property

All intellectual property (services, ideas, prototypes, etc.) produced during the C4H Hackathon will remain the property of the creating team. Cross4Health will not acquire any rights over the ideas created.

With the understanding that the teams have multiple members and will receive assistance during the event, the organizers expect to hold teams to industry standards regarding collaboration and hereby relint any role in arbitration of ownership upon the completion of the event.

Venue

The C4H Hackathon takes place at the University of Southeast Norway at Krona in Kongsberg. The networking event on the 22nd of January will take place at Oslo Metropolitan University in Oslo (OsloMet).

Questions?

Please contact cross4health@norwayhealthtech.com with any questions or feedback.