

# STATS HACK THE HOSPITAL

## 5G Transatlantic Lab 2021

### ORGANIZED BY

GARAGE STORIES



MOBILE  
WORLD CAPITAL  
BARCELONA

### WITH THE SUPPORT OF

**SJD**  
Sant Joan de Déu  
Barcelona - Hospital

**KIDS**  
BARCELONA

 Boston  
Children's  
Hospital

 CISCO

 IBM

 GSMA

 CaixaBank

 BARCELONA  
TECH CITY

**5G**  
Barcelona

medVR

 Generalitat  
de Catalunya



Ajuntament de  
Barcelona

# THE HACKATHON

## Hack the Hospital

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**Hack the Hospital** is the first hackathon to be organized by Barcelona and Boston for the design of new innovative solutions to improve teenagers' stays in hospitals. **Mobile World Capital Barcelona, SJD Barcelona Children's Hospital, Boston Children's Hospital and Garage Stories** will bring together 50 multidisciplinary and international teams between the 21 and 23 of May.

Participants will work on ideas geared to reduce the negative impact of a long period of hospitalization on paediatric patients and their families. The technological developments proposed will be based on **5G and extended reality**. The challenge will be focused on 12 to 17 year-old patients and teams may choose from among the following five main core areas: socialization, mental health, education, entertainment or an area addressed to family experience.

The event, which involves the collaboration of Cisco, IBM, GSMA, CaixaBank, Barcelona Tech City, MedVR, 5G Barcelona, Barcelona City Hall and the Regional Government of Catalonia, is expected to bring together **300 participants** who will spend a weekend working in teams of 6 people of different nationalities. The complexity of the challenge will require the participation of a broad range of professionals, ranging from engineers to educators, designers, psychologists and health professionals, etc., who will **develop solutions that are quickly applicable and include different perspectives**.

## Summary

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**9.687** site visits 25/05 at 10AM

**14.120** messages sent on Slack 25/05

**511** people involved

**25** countries

**27** press mentions

**6.736.028** total audience

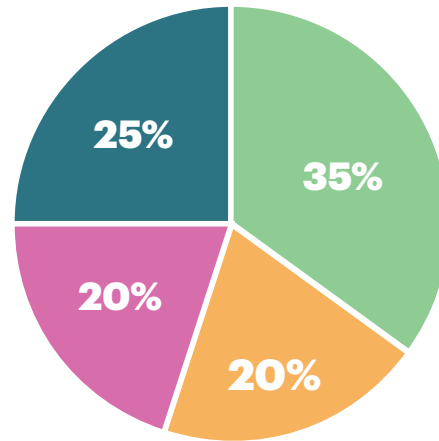
**95.449 €** overall rating

**33** projects

**2 winners:** Boost Board & Squishy

# PARTICIPANTS

## 280 people applied



### Teams

**25** from Barcelona 66 people

**8** from Boston 24 people

**15** from elsewhere (mainly USA) 45 people

Total number of teams: **48**

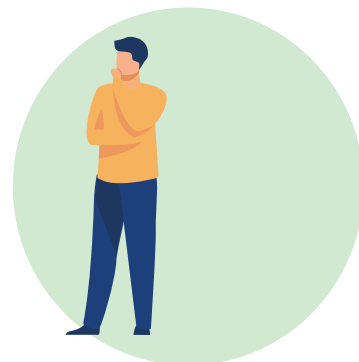
### Individuals

**55** from Barcelona

**25** from Boston

**60** from elsewhere (Spain, France, India, Iraq, Brasil, Uruguay, Pakistan, Australia, Egypt, Ireland, Malaysia, Belgium, Guatemala, Canada, Nepal, Kenya, Japan, USA (15 states), Dubai, Mexico, UK, Uganda, Switzerland, Costa Rica, Chile)

Total number of individuals: **140 people**

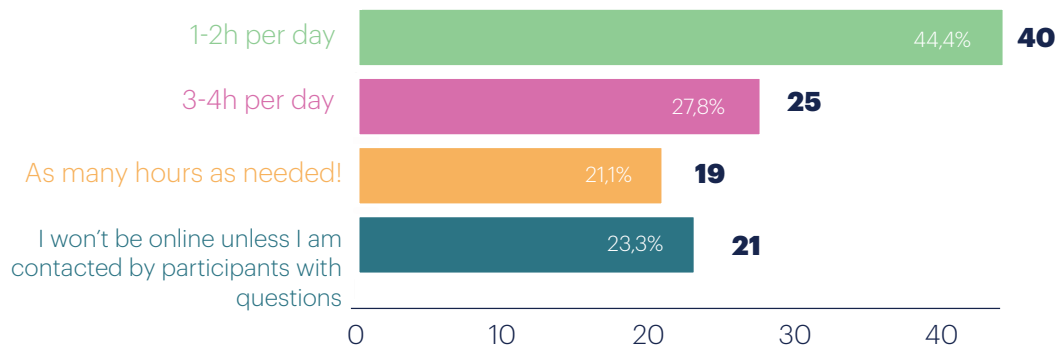


# MENTORS AND EXPERTS

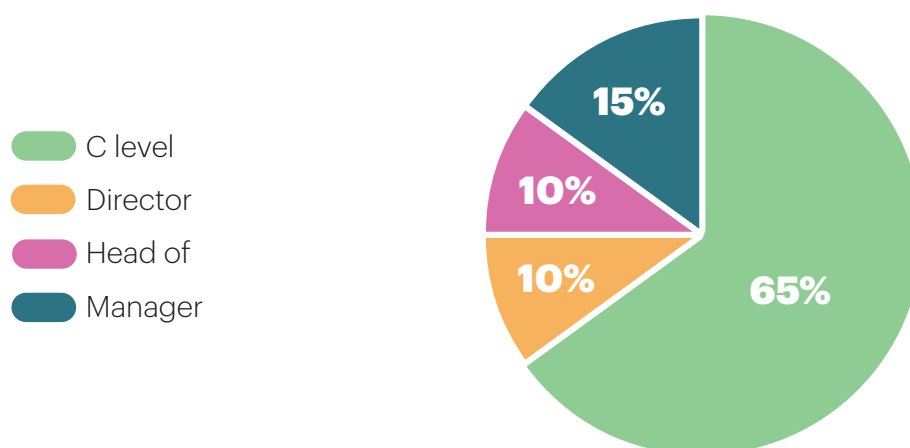
## Mentors

We received **90 applications**

**How many hours can you be online during the weekend?**



## Mentors' professional profiles





## Inspirational speakers

<b>Sean Caragata</b>	Industry Partner Strategy Director CISCO
<b>Chema Castillo</b>	Cloud & Cognitive TechSales and Lab Services Market Leader Spain, Portugal, Greece & Israel IBM
<b>Federico Ruiz</b>	Head of Spain's 5G National Observatory in Mobile World Capital
<b>Richard Cockle</b>	Global Head of IoT, Identity and Big Data at GSMA
<b>Henry Calvert</b>	Senior Director, Head of Future Networks, GSMA
<b>Kimberly Hicks</b>	Entertainment & Kids Product, Games & Interactive at The Walt Disney Company
<b>Judith Amores</b>	Researcher MIT Media Lab and Postdoctoral Researched Harvard
<b>Jennifer Esposito</b>	Vice President Health Magic Leap
<b>Mariona Aloy</b>	Co-Founder & Co-Director Soko.Tech
<b>George Aye</b>	Co-Founder Great Good Studio /Former IDEO
<b>Begonya Nafria</b>	Patient Engagement in Research Coordinator- Hospital Sant Joan de Déu)
<b>Kate Donovan</b>	Clinical Director of Innovation Boston's Children Hospital

## Method speakers

### MIT Center for Collective Intelligence

<b>Kathleen D Kennedy</b>	Executive Director MIT Center for Collective Intelligence
<b>Monique Fuchs</b>	Founder + Principal at FutureSight* Collective
<b>Hendrik Maier</b>	Research Affiliate / MIT Center for Collective Intelligence

### Google USA

<b>Jasmine Roberts</b>	XR Technologist, Speaker)
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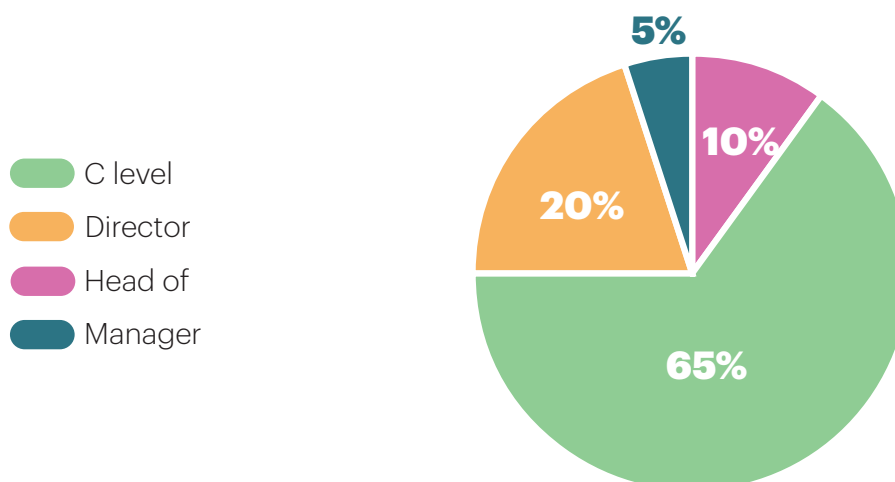
### KPMG Global

<b>Xavier Vergés</b>	Senior Strategy Consultant at KPMG Global Strategy Group)
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### NY University

<b>Samantha G Wolfe</b>	Founder PitchFWD, Professor NYU
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## Inspirational and method speakers professional profiles



## Jury members

5 semi-finals (3 people per jury): 15 people

<b>Begonya Nafria</b>	Patient Engagement in Research Coordinator- Hospital Sant Joan de Déu
<b>Steven Max Patterson</b>	Founder MEDVR / Lead organizer AR/VR Hack MIT
<b>Dana Le</b>	Accelerator Lead Program Manager at KidsX
<b>Núria Pastor</b>	Chief Executive Officer at humanITcare
<b>Holly Uber</b>	Building Award-Winning Educational AR/VR Experiences
<b>Jacqueline Assar</b>	AR Developer Partnerships Snap
<b>Jaume Sastres</b>	Head of Blockchain strategy at Secretariat of Digital Policies – Catalan government
<b>Lucia Gonzalez</b>	Founder of EDENWAY & NATIVES,STEAM Catalunya
<b>Stephen Wilson</b>	Director of Engineering Simulator Program (SIMPeds) Boston Childrens' Hospital
<b>Patricia M Val</b>	Partner & Executive Producer Futura Space
<b>Gianluca Cernigliaro</b>	VR/AR technical leader i2CAT Foundation
<b>Sarah Scalia</b>	Innovation and Digital Health at Boston Children's Hospital
<b>Monica Zapata</b>	Director Patient Experience Sant Joan de Déu
<b>David Nadal</b>	Manager Patient Experience Sant Joan de Déu
<b>Ted Schillowitz</b>	Futurist at Paramount

## Jury members

### 1 final (8 people)

<b>Therese Jamaa</b>	General Manager at GSMA Mobile World Capital
<b>Xavier Azemar</b>	Head of Barcelona Co-Innovation Center CISCO
<b>Kate Donovan</b>	Clinical Director of Innovation Boston's Children Hospital
<b>Xavier Jofre</b>	5G Program Manager (Mobility and Health sectors) Mobile World Capital
<b>Chema Castillo</b>	Cloud & Cognitive TechSales and Lab Services Market Leader Spain, Portugal, Greece & Israel IBM
<b>Xavier Flores</b>	Head of 5g strategy at Secretariat of Digital Policies – Catalan government
<b>Javier Silvestre</b>	Director Dayone CaixaBank
<b>Dr Francesc García Cuyás</b>	Director Digital Transformation Sant Joan de Déu

### KIDS experts

**18** Boston TAG

**21** Barcelona KIDS EXPERTS

**+ 57 KIDS** from Albania, Italy, France and UK who voted for their favorite projects

## WINNERS



**Boost Board** aims to encourage social interactions in hospitals in order to improve the mood of patients. To solve the issue of reduced mobility and / or the risk of contagion, the solution uses mixed reality to allow patients to exchange interactive messages and generate leisure spaces through co-creation with their roommates. The contents of the first prototype of the project will be designed in collaboration with real patients.

As for **Squishy**, it aims to help patients get on with life outside of the hospital. Through a 360 camera that incorporates sensors that allow it to detect and transmit emotions; the patient's family and friends will be able to create first person experiences in real time for the patient so he can experience some of the activities they miss the most, such as a family meal or an outing with friends to the beach.

# PRESS CLIPPING

 Audience

**La Vanguardia Online** | 1.447.257

Impulsan un concurso para mejorar la hospitalización de niños y adolescentes

**ABC.es Online** | 1.048.184

'Hack the Hospital': colaboración transatlántica para mejorar la vida de los adolescentes ingresados

**ABC.es Sevilla Online** | 126.763

'Hack the Hospital': colaboración transatlántica para mejorar la vida de los adolescentes ingresados

**La Voz Digital Online** | 7.832

'Hack the Hospital': colaboración transatlántica para mejorar la vida de los adolescentes ingresados

**cronicaglobal.lespanol.com Online** | 70.430

MWCapital organiza un 'hackathon' sanitario para mejorar la hospitalización infantil

**Europa Press** | 377.333

Online El Govern presenta 'Hack the Hospital' para mejorar las estancias de adolescentes en hospitales

**Gente Digital Online** | 1.000

El Govern presenta 'Hack the Hospital' para mejorar las estancias de adolescentes en hospitales

**La Vanguardia Online** | 1.447.257

Busquen solucions per millorar l'hospitalització dels adolescents a través de les noves tecnologies

**CCMA Online** | 151.148

Busquen solucions per millorar l'hospitalització dels adolescents a través de les noves tecnologies

**Regio7 Online** | 7.832

Busquen solucions per millorar l'hospitalització dels adolescents a través de les noves tecnologies

**La República Online** | 19.578

Busquen solucions per millorar l'hospitalització dels adolescents a través de les noves tecnologies

**viaempresa.cat Online** | 1.000

MWCapital organiza una hackatón para mejorar las hospitalizaciones pediátricas

**viaempresa.cat Online** | 1.000

MWCapital organitza una hackató per millorar les hospitalitzacions pediàtriques

**Redes Telecoms** | 7.832

Online 5G y XR para mejorar las hospitalizaciones de adolescentes

**Info Barcelona** | 1.000

Online Propuestas innovadoras para mejorar las estancias hospitalarias de los adolescentes

**Info Barcelona Online** | 1.000

Propostes innovadores per millorar les estades hospitalàries dels adolescents

**La Ciutat Online** | 1.000

Barcelona participa en una hackathó per millorar les hospitalitzacions d'adolescents

**Generalitat de Catalunya Online** | 17.982

MWCapital, l'Hospital Sant Joan de Déu Barcelona i l'Hospital Infantil de Boston organitzen una hackató per millorar les hospitalitzacions d'adolescents

**La Premsa del Baix Online** | 1.000

Creen una hackató per millorar les hospitalitzacions d'adolescents

**La Vanguardia Online** | 1.447.257

Sant Joan de Déu busca soluciones innovadoras para mejorar ingreso de jóvenes

**La Premsa del Baix Online** | 1.000

L'Hospital Sant Joan de Deú busca solucions per millorar l'ingrés de joves

**TV3 TV** | 478.000

Hackató per millorar les hospitalitzacions dels adolescents

**Redes Telecoms Online** | 7.832

Boost Board y Squishy ganan el hackathon Hospital 5G

**cronicaglobal.lespanol.com Online** | 62.511

5G y realidad aumentada para mejorar la hospitalización de adolescentes

**Economía de Hoy Online** | 1.000

Boost Board i Squishy, ganadores de "Hack the Hospital - 5G Transatlantic Lab 2021"

**TecnoNews Online** | 1.000

Hackathó per millorar les hospitalitzacions d'adolescents

**Albert Cuesta Online** | 1.000

Boost Board i Squishy, guanyadors de "Hack the Hospital - 5G Transatlantic Lab 2021"



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