

A postgraduate
program to develop
entrepreneurs and
leaders in healthcare
innovation

INNOVATION FELLOWSHIP OF:



d-HEALTH BARCELONA

TRAINING THE NEXT GENERATION
OF HEALTHCARE INNOVATORS

6TH EDITION

9 MONTH
FULL-TIME
PROGRAM

PROFILES:
*Graduates and PhDs
in Health and Life
Sciences, Engineering,
Business and Design*

STARTING
JANUARY 17, 2019

#dHEALTHBcn



CAREER OPPORTUNITIES

90%

OF OUR GRADUATES FIND A JOB IN THE HEALTHCARE INDUSTRY RIGHT AFTER THE PROGRAM

48%

OF OUR GRADUATES ARE RUNNING THEIR OWN HEALTHCARE BUSINESS

MOST POPULAR d-HEALTH BARCELONA CAREER PATHS

HOSPITALS



Innovation departments of university hospitals

PHARMA & MEDTECH COMPANIES



Innovation positions at big established pharma or medtech companies, and other SME medtech ventures

RESEARCH ENTITIES



Innovation positions at research centers and universities

PROFESSIONAL SERVICES



Consultancy, venture capital firms and incubators

COMPANIES RECRUITING d-HEALTH BARCELONA GRADUATES

- MAYO CLINIC
- HOSPITAL SANT JOAN DE DÉU
- HOSPITAL MÚTUA TERRASSA
- HOSPITAL PARC TAULÍ
- HÔPITAL DU VALAIS
- SANOFI
- NEOS SURGERY
- USMIMA
- BARCELONA SUPERCOMPUTING CENTER
- IRB BARCELONA
- ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY
- FUELFOR
- CSV EXPERTS
- GRUPO PULSO
- INDUCT
- CAPITAL CELL
- DKV SEGUROS

START-UPS FOUNDED BY d-HEALTH BARCELONA GRADUATES

PROJECTS BASED ON BUSINESS IDEAS FROM d-HEALTH BARCELONA CLINICAL IMMERSION

usMIMA (MOWOOT)

Team: Institut Guttmann, 2013-2014
Product: Wearable solution for chronic constipation

My-Qup

Team: Hospital Clínic, 2014-2015
Product: Medical device for fecal incontinence

Happy Injections

Team: Hospital Sant Joan de Déu, 2017
Product: New standard for pediatric blood extraction and vaccination

Loop

Team: Institut Guttmann, 2017
Product: Diagnostic device for identifying faster blood infection in sepsis-suspected patients

I-Ophthalmology

Team: Hospital Clínic, 2017
Product: Digital health technology to remotely connect patients with ophthalmologists

OTHER PROJECTS FOUNDED BY OUR GRADUATES

HealthQuay

International initiative from MIT aimed at improving survival rates for cancer patients

Glaucometrics

A training system to get ready glaucoma patients before perimetry test

ColorSensing

Technology that helps cutting down food waste thanks to a low-cost food freshness indicator

Smplest

Simple drug testing that helps to quickly determine which drug has been purchased before using, thus preventing harm to all users

Nutribrain

Developing food supplements to improve cognitive functions

Weallare.Co

Design products and educative projects to avoid stigmas about diverse physical realities

DESIGN HEALTH BARCELONA



WE EMPOWER THE NEXT GENERATION OF HEALTHCARE ENTREPRENEURS

Inspired in the prestigious **Stanford University's** Biodesign Fellowship, **d-HEALTH Barcelona** is a **9-month post graduate program** to turn graduates and professionals into healthcare **entrepreneurs and innovators**.

A COMPREHENSIVE TRAINING TO MAKE INNOVATION HAPPEN

d-HEALTH offers a unique combination of **intensive training** and development of personal **skills** that enable participants making healthcare innovation happen.

Participants join **multidisciplinary teams** and experience a **full cycle of innovation**. This process spans from **needs identification** through clinical immersion in top-level hospitals to the development of a viable solution, as well as developing a business model and searching for funding. During the journey, students are mentored by **more than 70 international experts**.

FUELING BRAINS WITH NEW IDEAS TO TRANSFORM HEALTH

d-HEALTH Barcelona empowers participants to **solve global challenges in the healthcare and medical technologies** industries and deliver much-needed products or services to people all over the world.

JOIN A TOP EUROPEAN NETWORK ALUMNI

As part of the **EIT Health consortium**, d-HEALTH Barcelona fellows have the opportunity to do **exchanges with other Biodesign programs around Europe**, validating their needs in other ecosystems, connecting with biomedical and entrepreneurship networks and sharing experiences with students from other programs.



9 MONTH

Full Time Program



STARTING DATE

JANUARY 17, 2019



PROFILES

Graduates and PhDs in:
Health and Life Sciences
Engineering
Business
Design



CLINICAL IMMERSION AT:

Hospital Clínic
Hospital Sant Joan de Déu
Hospital Vall d'Hebron
Institut Guttmann



LANGUAGE:

English
Spanish



TUITION FEE:

7,000€



NUMBER OF FELLOWS/YEAR:

12

d-HEALTH FELLOWS WORK ACROSS THE WHOLE SPECTRUM OF HEALTHCARE:



NEUROREHABILITATION



PNEUMOLOGY



CARDIOLOGY



ENDOCRINOLOGY



CYNECOLOGY & OBSTETRICS



NEONATOLOGY



CASTROENTEROLOGY & HEPATOLOGY



OPHTHALMOLOGY

THE PROGRAM

THE LEARNING PROCESS

In d·HEALTH Barcelona, students experience a **full cycle of innovation**, from needs identification to designing and prototyping a viable solution and business model development. It ends up with the pitch of the projects in front of a panel of investors and professionals of the healthcare ecosystem.



ACADEMIC PROGRAM

HEALTH

- Medicine 1.0
- Breakthroughs in Life Sciences & Healthcare
- Healthcare Systems
- Health Economics
- Health Technology Assessment
- Clinical Trial Design
- Global Health
- Pharma & MedTech Industries

BUSINESS

- Business Models & Value Chain in Healthcare
- Business Model Design
- Business Innovation
- Project & People Management
- Legal & IP Basics
- Regulatory Affairs
- Reimbursement Basics
- Finance & funding for innovative projects

DESIGN & TECHNOLOGY

- Product Development
- Prototyping
- Advanced materials
- eHealth & mHealth
- Robotics & Sensors
- Artificial Intelligence
- Internet of Things
- Naming & Branding

SKILLS

Soft skills

- Teamwork Skills
- Networking Skills
- Presentation Skills
- Negotiation Skills
- Leading the team

Thinking skills

- Design thinking
- Strategic thinking
- Creative thinking
- Critical & logical thinking

THE METHODOLOGIES

BIODESIGN

STANFORD BYERS CENTER FOR
BIODESIGN

LEAN START-UP



CREATIVE LEADERSHIP

KAOSPILOT



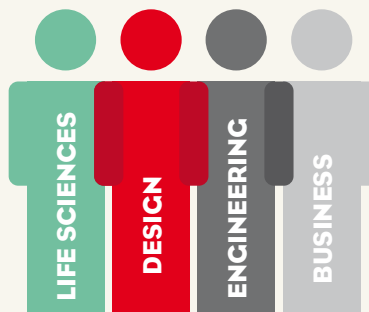
WHO IS d-HEALTH BARCELONA LOOKING FOR?

RESTLESS AND CURIOUS PEOPLE WITH ANY OF THE FOLLOWING REQUIREMENTS

- ✓ An **undergraduate degree** in Medicine/Life Sciences, Business/Economics, Engineering/IT or Design.
- ✓ A **postgraduate degree** such as a Masters degree in Science, a PhD or a post-doctoral training.
- ✓ **The will to make a turn in their professional careers** and pursue innovation in healthcare.

PEOPLE WHO LOVE TO WORK IN MULTIDISCIPLINARY TEAMS AND HAVE...

- ✓ An **explorative mindset, purpose and passion.**
- ✓ **International experience** studying or working outside home country.
- ✓ **Proficiency level in English.**
- ✓ A **“can do-will do” attitude** and **commitment** to explore and take risks to anticipate where things are heading in healthcare industry.
- ✓ Strong **interpersonal skills.**



ENROLL NOW

Please check the application process at:

<http://moebio.org/programs/d-health-barcelona/application-process>

If you have any doubt or need additional information, do not hesitate to contact us at +34 93 310 33 30 or send an email to Valentina Isetta (visetta@biocat.cat)

**Cancellations: Biocat reserves the right to cancel the program if it does not recruit a viable number of fellows.*

"AFTER FINISHING THE PROGRAM WE FOUNDED OUR OWN COMPANY AND A FEW MONTHS LATER WE COMPLETED THE FIRST SEED INVESTMENT ROUND AND LAUNCHED A PROTOTYPE"

MARKUS WILHELMS,
CEO AT USMIMA

d-HEALTH FELLOW 2013-14

"THANKS TO d-HEALTH BARCELONA I HAVE FULFILLED MY DREAM OF APPLYING MY ENGINEERING BACKGROUND TO HEALTHCARE AND PROVIDING REAL SOLUTIONS TO REAL PEOPLE'S NEEDS"

ARNAU VALLS,
INNOVATION MANAGER AT HOSPITAL SANT JOAN DE DÉU

d-HEALTH FELLOW 2013-14

"d-HEALTH BARCELONA MOTIVATED ME TO THINK THAT, EVEN THOUGH I'M A DESIGNER, I COULD FIND A PLACE IN THE HEALTHCARE SECTOR AND BE USEFUL"

MIREIA ALEU,
INNOVATION CONSULTANT AT AYMING

d-HEALTH FELLOW 2017

MOEBIO

ACCELERATING ENTREPRENEURSHIP
AND INNOVATION IN HEALTHCARE

d-HEALTH BARCELONA

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OF HEALTHCARE INNOVATORS

AN INITIATIVE OF:

The biocat logo consists of a solid red square with the word "biocat" written in white lowercase letters in the bottom right corner.

MORE INFORMATION AT:

DHEALTHBCN2019.MOEBIO.ORG

COLLABORATOR HOSPITALS:

CLÍNICA
BARCELONA

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

 **Vall
d'Hebron**
Barcelona Hospital Campus

 **INSTITUT
GUTTMANN**
HOSPITAL DE NEUROREHABILITACIÓ
Institut Universitari adscrit a la **UB**

INDUSTRY PARTNER:

 **Chiesi**
People and Ideas for Innovation in healthcare

INNOVATION FELLOWSHIP OF:

 **Health**

COLLABORATOR:

KAOSPILOT

INSPIRED BY:

STANFORD BYERS CENTER FOR
BIODESIGN

 **EXPONENTIAL
Medicine**
By Singularity University