

What is RareHacks?

RareHacks is a **Hackaton** event that brings you the opportunity to apply data science tools, including machine learning and natural language processing algorithms, to a real biomedicine case that will contribute to help families suffering from rare diseases.

As well as training your data science skills, you will meet people with different backgrounds and work in a multidisciplinary environment.

Rarehacks is organized within the framework of a project called **Share4Rare (S4R)**. S4R has the main goal of creating a platform capable of recruiting data for a particular rare disease and contributing this knowledge back to the patient population.

Achieving funds from private and public entities for the research on rare diseases is exceptionally difficult. The goal of RareHacks is to push research on minority diseases throughout collaborative efforts.



Share4Rare



UNIVERSITAT POLITÈCNICA DE CATALUNYA
BARCELONATECH

Biomedical Engineering Research Centre



The Challenge

The challenge proposed in RareHacks is building a smart chat bot capable of providing answers to rare diseases patients' relatives.

To fulfil this goal, teams will be composed of multidisciplinary profiles of five individuals. Encouraged profiles are:

- **Clinical Profile:** responsible of curating and annotating the material, evaluating the outputs and advising in the overall design. Compatible profiles are medical doctors, biomedical engineers, biologists and alike.
- **Computer Science Profile:** responsible of giving support on data interfacing, components, coding strategy, code analysis and organization. Compatible profiles are computer scientist and engineers.
- **Data Science Profile:** responsible of giving support on the data science field. Compatible profiles are physicists, mathematicians, statisticians.

Enrolment

If you wish to participate to RareHacks event, you are able to register in the official website.

Two kind of enrolment options are offered:

- **Team enrolment:** in case you have a group of friends wishing to participate to the rare diseases Hackaton, you can take part in the event as a team. We highly recommend to build multidisciplinary teams, with members able to take the different roles previously mentioned.
- **Individual Enrolment:** in case you want to enroll in an individual, the organization will select members with compatible profiles for your team.

Choose your enrolment and enrol today at <http://rarehacks.org/index.php/register/>



This project has received funding from the European Union's H2020 research and innovation programme under grant agreement No 780262

Agenda

RareHacks will be an intense three day activity with the following agenda.

FRIDAY

9:30 Welcome and kick-off

10:00 Training

13:00 Team Work

SATURDAY

9:30 Team Work

12:00 Advising

14:00 Team Work

SUNDAY

9:30 Team Work

13:00 Submission of final contributions

13:00 Committee delivers

15:00 Presentation of selected teams

17:00 Awards and closing ceremony



RAREHACKS

2019th Edition of the Rare Diseases Hackaton

July 5-7, 2019

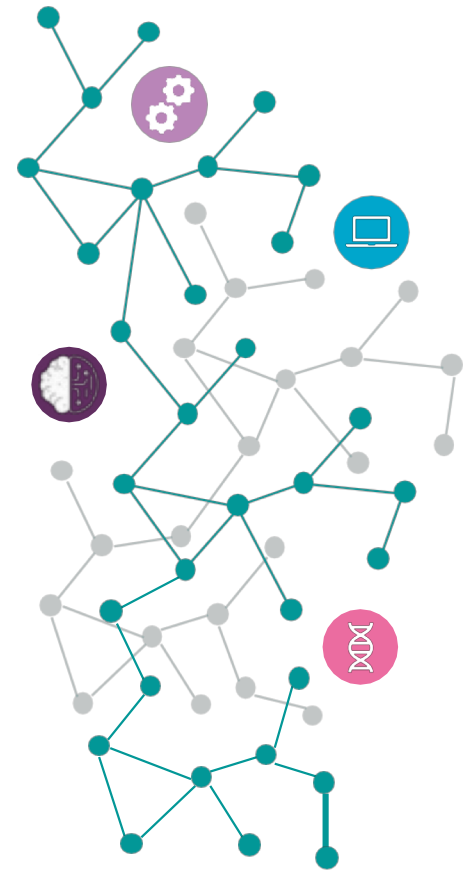
Kick off at:

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www.rarehacks.org

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