



Barcelona International Youth Science Challenge



With the support of:



In collaboration with:



Member of:



Organised by:



Catalunya-La Pedrera Foundation, which runs BIYSC is committed to promoting scientific vocations among young students, encouraging new ideas and excellence through the Area of Knowledge, Education and Research. It is also committed to helping people at risk of social exclusion and preserving and managing natural and cultural heritage.

www.biysc.org
contact@biysc.org



BIYSC

Barcelona International Youth Science Challenge

Genetics
Nanotechnology
Photonics
Biotechnology
Chemistry
Bioethics
Robotics
Evolutionary Biology
Biochemistry
Biomedicine



From July 11th to 22nd 2016

Barcelona International Youth Science Challenge BIYSC 2016

BIYSC aims to get together young students (age 16 to 19) from all over the world that are passionate about science. If you are one of them, you will have the chance to meet top scientific leaders in their field, work in international research centers and have the opportunity to develop your skills and knowledge, challenging yourself everyday.

We would like you to meet peers that share your same passion and create with them a long lasting relationship.

BIYSC Programme

BIYSC is a two week programme full of Challenges. Our programmes have been designed and developed with the aim to offer the participants a world class experience.

- Attending scientific lectures, where participants will have many opportunities to interact with eminent scientists through plenary dialogues.
- Site visits to top International research centers allocated in Barcelona and Barcelona Scientific Park (PCB).
- Young scientists will be working in state of the art laboratories, hands-on in a project of their choice in small groups of no more than 12 students.
- Students will enjoy the Barcelona experience –our social activities– in the company of peers from around the world.



Projects

- The electron and the truck: the journey from Nanoscience to the Smart Cities.
- Taking a closer look at DNA: using sequencing to explore evolution and biodiversity.
- Instructive Biomaterials for Regenerative Medicine.
- From DNA to protein related diseases.
- From molecules into electricity.
- Uncovering the hidden diversity of the oceans.
- Bioinspired/Social Robots and IoT: an example of a Cloud Robotics System.
- Neuro-Robotics as a tool to understand the brain.
- NanoLight: Light and Matter at the Nanoscale.
- HMG-CoA reductase: Building the architecture of the Endoplasmic Reticulum.

Are you in?