

EDUCATION

- 2017 – Present **Biomedical Engineering.** Medicine Faculty. University of Barcelona.
 Highlighted subjects: Linear Algebra and Geometry (10), Multivariable Calculus (9.5), Informatics (8.5), Molecular and Cell Bioengineering (8.5), Bioinformatics (9.4), Biomedical Instrumentation and Signals (9.4 Excellent with Honours).
- 2017 **A level (Batxillerat LOE). Specialising in science and technology.** INS Rubió i Ors. (Sant Boi de Llobregat)
 With honours
 Research project: *MALDI and IR imaging techniques in the analysis of molecular changes in plants exposed to the pesticide chlorpyrifos.* BATX2LAB project organized by Barcelona Scientific Park.

COMPLEMENTARY FORMATION

- 2020 Innovation Days Barcelona 2020th edition. EIT Health.
- 2019 1st place in Rarehacks 2019th edition (Rare disease hackathon). Share4Rare. (UPC, B2Slab, CREB).
- 2019 3D modelling initiation. CEEIBIS. University of Barcelona. (6h)
- 2019 Make impact with personal candidacy. Servei d'Atenció a l'Estudiant (SAE). Univerisity of Barcelona.
- 2018 Introduction to Membrane Computing. Physics Faculty. University of Barcelona. (12h)

DIGITAL SKILLS

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|---|--|---|
| - Operating system environment: Windows and Linux | - RoboDK, URSim | - Basic knowledge of Mathematica |
| - Python (Programming language) | - LabView | - Regular use of Web 2.0 |
| - R (Programming language) and R Shiny | - LTSpice | - GitHub and git |
| - MATLAB & Simulink | - Arduino and STM32CubeIDE | - LaTeX |
| | - Basic knowledge of SQL, CSS, HTML, C++ | - Basic knowledge of ImageJ, MRICro, WSxM, Adobe Premiere Pro |
| | - GMSH, Elmer, ParaView | |

LANGUAGES

Catalan: C1 level. Mother tongue.
 Spanish: C1 level. Mother tongue.
 English: C1 level.

2018 **C1** in English. EOI Cornellà, Cornellà.

PROFESSIONAL EXPERIENCE

Internships:

- June-Sep 2020 **Micklem Lab. Department of Genetics, University of Cambridge.**
 Tasks: Functions for *InterMineR* R package last release on Bioconductor and interfacing Cytoscape with *InterMineR* to extend the visualization resources and increase the FAIRness of InterMine.
 Development of my Bachelor's final project (2021).
- July-Oct 2019 **Institute for Bioengineering of Catalonia (IBEC).**
 Tasks: Development of graphical user interfaces for computational metabolomics workflows. Packages in R.
- July 2016 **Institute of Environmental Assessment and Water Research (IDAEA-CSIC). Scientific and Technological Centers of University of Barcelona (CCiTUB).**
 BATX2LAB project organized by Barcelona Scientific Park.
 Tasks: Practical part of A level research project using Mass Spectrometry imaging (using MALDI Imaging) and Infrared imaging (in collaboration with Dr Carmen Bedia and Dr Núria Ferrer).

KEY SKILLS

- Teamwork and cooperation
- Leadership
- Good communicator
- Good at taking technological decisions according with cost, safety, sustainability, time and the ethical principles of the profession criteria.

Student representative for two years