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Laura Pérez i Guàrdia

Biomedical scientist

My Profile

I am a young biomedical graduate and geneticist, determined to pursue a career in research. I have more than two years of experience in the neurogenetics and translational research field.

I have started a career in the field of genetics and translational medicine, working as an engineer for a group specialized in congenital myopathies in Strasbourg, France. My life-long goal has always been to help improve the science community by providing my knowledge and motivation into the development of novel therapies and the translation to the clinical research.

Education

Sep, 2020 - Jul, 2021

MSc in Genetics and Genomics
UNIVERSITAT DE BARCELONA

Sep, 2016 - Jul, 2020

BSc in Biomedical Science
UNIVERSITAT DE BARCELONA

Languages

- Catalan: Native
- Spanish: Native
- English: Proficient (C1)
- French: Intermediate (B2)

Publications/Grants

- <https://orcid.org/0000-0002-7668-4651>
- Distinction in secondary school: end of studies prize (2015)

Work Experience

Feb, 2021 - Present

Institute de Génétique et Biologie Moléculaire et Cellulaire (IGBMC)
ENGINEER POSITION/FORMER MASTER STUDENT

- Management of a research project in the preclinical-stage in an academic laboratory at IGBMC institute.
- Project focus on the study of a rare neuromuscular disease known as tubular aggregate myopathy and Stormorken syndrome and preclinical therapeutic development based on mouse crossings with mutations in target genes.

Feb, 2020 - Jul 2020

Biotechnology and Biomedicine Centre of the Academy of Sciences and Charles University (BIOCEV)

BACHELOR STUDENT, INTERN

- Internship in a group specialized in Immunology and cancer.
- The aim of the project was to optimize the "Arginase Assay", test used for the detection and differentiation of M1/M2 macrophages, applied on RAW264.7 cell line, to further test arginase inhibitors.

Jul, 2016 - Aug 2016

Institute of Bioengineering of Catalonia (IBEC)

LABORATORY INTERN

- First international scientific experience in a group specialized in regenerative medicine.
- Project aiming to discover new instructive biomaterials to regenerate bone tissue after an injury.

Other Certificates

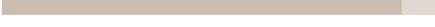
- Animal Experimentation Certificate (2021)
- Red Cross First Aid Certification (2019)
- Congreso de Investigación Biomédica (València, 2017)
- Driving licence: Category B (2016)

Other courses

ENGLISH COURSES ABROAD

- Abbots Bromley, England (July 2012)
- Ruthin School, England (July 2013)
- Edinburgh, Scotland (July 2015)

Soft Skills

Project Management	
Organization and Attention to detail	
Problem-solving	
Analytical skills	

Technical Skills

Data and statistical analysis	
Office package	
Scientific software: (GraphPad, Fiji/ImageJ Electronic Lab notebook, NDPview)	

Currently, the project that I am coordinating consists in creating novel therapeutic approaches for a disease called Tubular Aggregate Myopathy and Stormorken Syndrome.

Among others, the techniques that I perform on a daily-basis are the following:

- Western Blot
- RTqPCR/PCR
- DNA/RNA/Protein extraction
- Immunofluorescence
- Mouse studies (phenotypic tests, dissections...)
- Cryo-sections and histology studies
- Cell culture (HEK293T, HELA, Primary myoblasts and RAW 264.7 cells)
- Cell transfections
- ELISA

Referees

- [Adrianna Piataková](#)

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Biotechnology and Biomedicine Center in Vestec (BIOCEV, Charles University)

- [Roberto Silva Rojas](#)

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Spanish National Center for Cardiovascular Research (CNIC)