

Laura Sen Martin

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Current position: hired on contract in Molecular Mechanics of the Cardiovascular System group (National Center for Cardiovascular Research, CNIC (Madrid))

Education

2019-Present

Master of Science in Biochemistry, Molecular Biology and Biomedicine
Complutense University of Madrid

2015-2019

Bachelor Science in Biochemistry
University of Malaga and University of Seville (Average mark: 8.84)

2009-2015

Compulsory Secondary Education and Baccalaureate
(Average mark 9.58 with honor)
IES Capellanía, Alhaurín de la Torre, Málaga

Professional experience

2019-2020

CNIC-ACCIONA Master's Degree Fellowship
National Center for Cardiovascular Research (CNIC) (Madrid)
Final Master's work: "Molecular bases of pathogenicity in animal models of hypertrophic cardiomyopathy".

2018-2019

Collaboration fellowship from the Ministry of Education, Culture and Sport (MECD) (Servicios Centrales de Apoyo a la Investigación (SCAI), Málaga)
Department of Molecular Biology and Biochemistry (University of Málaga)
Research Project: "Characterization of new candidates for anti-angiogenic and/or anti-tumour drugs".

Research experience and techniques used

- **2019-present:** Final Master's work (CNIC). Molecular Biology techniques (protein extraction, electrophoresis in SDS-PAGE and Western Blot, nucleic acids isolation and quantification, cDNA synthesis, real time PCR, design of primers), immunofluorescence.
- **2018-2019:** MECD Collaboration Grant. Cell line cultures (bovine aortic endothelial cells) and subculture. MTT assay for the characterisation of new antiangiogenic drug candidates, wound healing assay and tube formation assay.

Digital skills

Experience in software such as Jalview, Snap Gene Viewer or See View. Use of molecular visualizers such as VMD, Chimera or PyMol. Knowledge in bioinformatics (Introduction to R/Bioconductor, pipelines in Genomic Data Analysis (RNA-seq and Chip-seq Data). Handling of statistical programmes (IBM SPSS Statistics as well as GraphPad Prism). Use of online softwares such as Cytoscape, DAVID, BLAST or Emsembl Genome Browser.

Courses and congresses

- Course 25 hours (July 2019): "Genetic diagnosis: molecular bases, genetic pathologies and basic diagnostic methods". General Foundation of the University of Málaga (FGUMA)
- 4th Conference on Biotechnology Techniques and the Omic Sciences (University of Malaga, academic year 2018-2019). Presentation and exhibition of a poster about MALDI-TOF proteomic technique.

Other personal skills

Foreign language (English)	Auditory Comprossion	Reading Comprossion	Oral interaction	Written expression
	B1	B2	B1	B2
Cambridge B1 and B2 School of Languages Complutense				

- Professional Degree in Piano (Professional Conservatory of Music, Gonzalo Martín Tenllado, Málaga). Participation in three musicals in collaboration with the School of Dramatic Arts of Málaga (ESAD, 2014,2015 and 2016).
- Driving licence B