

CURRICULUM VITAE



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CURRENT POSITION

From 2016

Predocctoral Researcher

National Centre for Cardiovascular Research (CNIC)
Molecular Mechanics of the Cardiovascular System

EDUCATION

2015

MS.c Genetics and Cell Biology

Autonomous University, Complutense University, University of Alcalá
de Henares (Madrid, Spain)

2014

BS.c Biotechnology

University of Oviedo (Asturias, Spain)

RESEARCH EXPERIENCE AND TECHNIQUES USED

January-February
2014

Establishment of a protocol to
prepare collagen scaffolds.
Generation of artificial skin

Principality of Asturias Community
Centre for Blood and Tissues (Spain)

- 2D and 3D cell culture
- Collagen type I purification by
acidic extraction
- Collagen membranes
production
- Artificial Skin Generation

March-June
2014

Bachelor's Thesis in "Expression
analysis of BlyS in Systemic
Lupus Erythematosus" by Flow
Cytometry

University of Oviedo
(Spain)

- Leukocyte populations
isolation
- Flow cytometry
- ELISA immunoassay

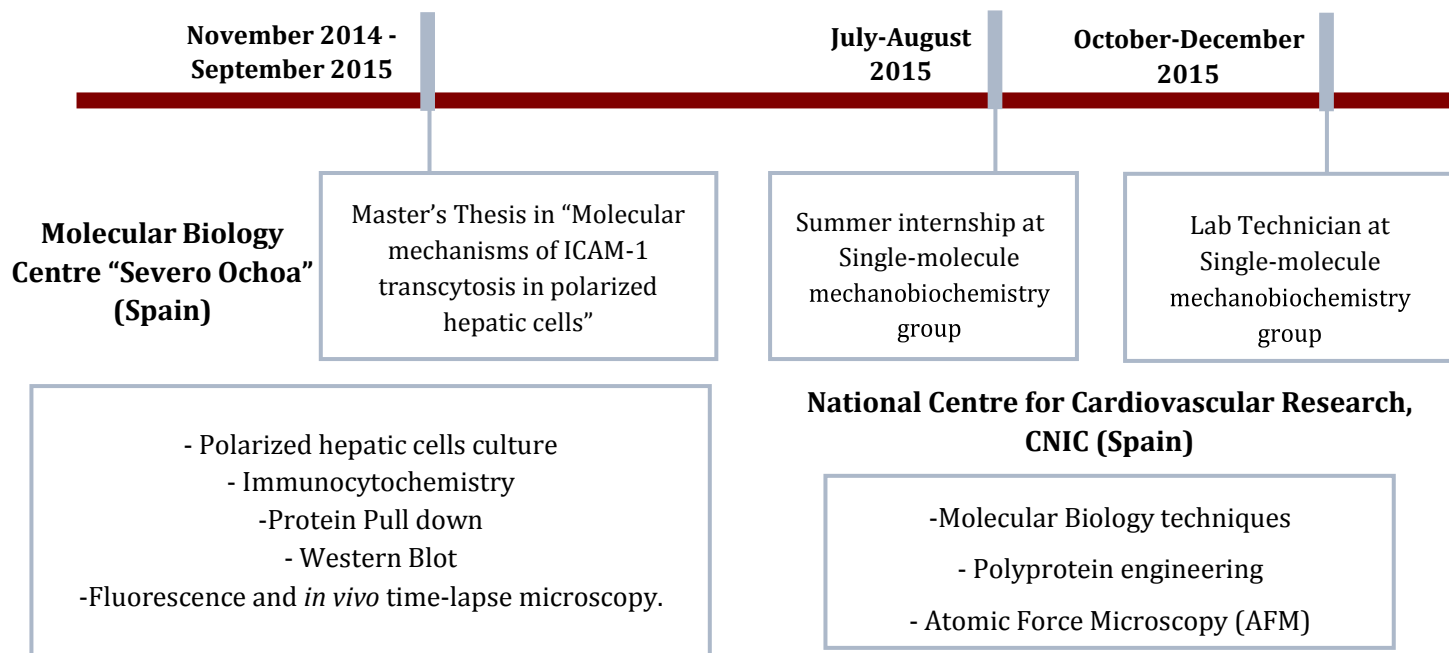
July-September
2014

Generation of non-injured
epithelial gaps in 2D cell
cultures and study of
forces driving gap closure

Institute for Bioengineering of
Catalonia (Spain)

- Fluorescence and confocal
microscopy
- Traction force microscopy
- Fabrication of Polyacrylamide
and polydimethylsiloxane
(PDMS) matrices
- Micro-contact printing

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CONFERENCES/PRESENTATIONS

- Participant at the Biotechnology Annual Congress at Madrid, Spain, in **2012**, Seville, Spain, in **2013**, Barcelona, Spain, in **2014** and Gijón, Spain, in **2016**.
- Poster "Protein-based Biomaterials mimicking passive properties of striated muscle" first author. Poster presentation at Porto, Portugal, at the 5th International Iberian Biophysics Congress. **June 2016**
- Poster "Protein-based Biomaterials mimicking passive properties of striated muscle" first author. Poster presentation at Gijón, Spain at the 10th International Biotechnology Annual Congress. **July 2016**
- Organizing Committee member of the 10th International Biotechnology Annual Congress, Gijón, Spain. **July 2016**
- Poster "Protein-based Biomaterials mimicking passive properties of striated muscle" first author. Poster presentation at Barcelona, Spain at the First Biology for Physics Conference. **January 2017**

COMPETITIVE FELLOWSHIPS

2014	2015	2015
Student of <i>Spend the summer at the Scientific Park</i> program for undergraduate students at the Institute for Bioengineering of Catalonia (Barcelona, Spain)	Student of <i>CICERONE</i> program for graduate students during summer at CNIC, Spanish National Centre for Cardiovascular Research (Madrid, Spain).	Recipient of the <i>Subprograma de contratos predoctorales para la formación de doctores (FPI PhD fellowship)</i> from the Spanish government.

ADDITIONAL SCIENTIFIC INVOLVEMENT

Founder and Board Member of the Asturian Biotechnologists Association (ASBAS). **June 2013- April 2016**
Junior member of the Spanish Biophysical Society. **From 2016**

LEVEL OF ENGLISH

C1 level, Advanced Certificate in English. **June 2013**