



Inés Martínez Martín

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Education

2014 – 2018 Biochemistry and Molecular Biology Degree (Universidad Autónoma de Madrid, Madrid, Spain)

- Grade point average after third course (2017): 9.33 out of 10

Aug 2016 – Dec 2016 Boston University (Boston, Massachusetts, United States)

- One semester as an exchange student
- Courses about Biology of Stem Cells, Molecular Biology, Neuroscience and Neurophysiology (including laboratory and preparation of scientific presentations and papers)

2012 - 2014 International Baccalaureate® (IB) Diploma Programme (Madrid, Spain – IES Ramiro de Maeztu)

- Score: 39 out of 45
- Includes independent research (Chemistry)

Lab/Research experience

From Jun 2017 Spanish National Centre for Cardiovascular research, CNIC (Madrid, Spain)

Molecular Mechanics of the Cardiovascular System group (Group Leader: Jorge Alegre-Cebollada, PhD)

- Student of **CICERONE** program for undergraduate students (Jun 2017 – Jul 2017)
- Degree Research Project Thesis (Academic year 2017 – 2018)
- Atomic Force Microscopy (AFM) experiments to measure mechanical properties of sarcomeric proteins, protein expression and purification techniques.

Jun 2016 – Jul 2016 Internship “Instituto Cajal – CSIC” (Madrid, Spain)

Axon and Axon Initial Segment laboratory (Group Leader: Juan José Garrido, PhD)

- 5 weeks (182 hours)
- Primary neuron/glia cultures, fluorescence microscopy, confocal microscopy

Jul 2013 Scholarship *Scientific Summer Camp : Chemistry and Health* (Universidad Politécnica de Valencia, Valencia, Spain)

- Hydrodistillation, organic synthesis, melting point determination, titration, ion exchange chromatography

Languages

Spanish – Native speaker

English (C1)

- Use of English during a semester in Boston (Sep 2016- Dec 2016)
- TOEFL iBT (score: 103 in Sep 2015)
- July 2013 - 3-weeks-English course in Toronto (Ontario, Canada)

German (A2)

- July 2011 & July 2012
8 weeks stay in Vilshofen an der Donau (Germany)

IT Skills

- Microsoft Word, Excel and Powerpoint as an independent user.
- Experience with protein and gene data banks and related bioinformatics tools.
- Igor Pro: Analysis of data related to Neurophysiological projects and Mechanobiology, measuring mechanical properties of proteins.
- Basic programming with Python and R.

Certificates/Awards

- *XL SEBBM (Spanish Society of Biochemistry and Molecular Biology) Congress - FEBS3+* (October 2017) scholarship including an introductory course.
- Organizing committee and speaker in an “orientation congress” for high school students (September 2017).
- Scholarship for a semester studying in Boston (2016).
- Merit-based scholarship: “Excellence Scholarship” (2017 and 2014).
- Honor student in high school (2014 and 2012).