

# Rocío Sánchez Álvarez



16/07/1997

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## EDUCATION

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Master's degree in Food Engineering Applied to Health; UPM, Madrid (September 2019-Present).

Master's degree in International Leadership; UPM, Madrid (July 2018- March 2020).

- Participant of "New York and Boston Inside Tech" program in Harvard, MIT and Boston University among other institutions (USA).
- Attendant at the "Innovation in cities Summer School" program in Beijing and Shanghai (China).
- Scholarship for excellent academic record given by Rafael del Pino Foundation.

Bachelor's degree in Biotechnology; Technical University of Madrid (UPM), Madrid (2015-2019).

- Representative tennis player of UPM (National Championships).

Primary and Secondary School; Colegio San Buenaventura, Madrid (2015).

- Madrid's scholarship for outstanding academic performance in High School.
- University Entrance Exam (PAU) score: 12.901/14.
- Graduated with Honour's from High School: 9.33/10.

## WORK EXPERIENCE

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Scholarship JAE-INTRO 2020 for young researchers; Institute of Food Science-CSIC (UAM), Madrid (September 2020-Present).

- Analytical techniques for chemical analysis (chromatography, spectrophotometry...).
- Enzymatic Engineering application to obtaining omega 3-rich food in order to prevent and improve neurodegeneration diseases.

Internship for researching neurodegeneration; Centre for Molecular Biology "Severo Ochoa" (CBMSO)-CSIC (UAM), Madrid (September 2019-March 2020).

- Biomolecular techniques (PCR, immunofluorescence, ELISA assays...); animal management for experimentation; statistical treatment of data; analysis of results.
- Project: understanding the role of the protein SFRP1 in the pathology of Alzheimer's disease and related diseases.

Internship for researching HER2+ breast cancer; "Alberto Sols" Biomedical Research Institute (IIBM)-CSIC (UAM), Madrid (February 2019-July 2019).

- Biomolecular techniques (Western-Blot) and primary cell culture.
- Project: unravelling the mechanism of the GSDMB protein in aggressive HER2+ breast cancer.

## PUBLICATIONS

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Elsa Cisneros, Fabiana di Marco, Javier Rueda-Carrasco, Concepción Lillo, Guadalupe Pereyra, María Jesús Martín-Bermejo, Alba Vargas, Rocío Sanchez, África Sandonís, Pilar Esteve & Paola Bovolenta. Sfrp1 deficiency makes retinal photoreceptors prone to degeneration. *Sci Rep* 10, 5115 (2020).

## SKILLS & INTERESTS

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Language:

- Spanish. Mother tongue.
- English. Proficiency level (written and spoken). IELTS 7,5 (2020).
- French. Basic skills.

Technical:

- Microsoft Office.
- Biological database (BLAST, Ensembl, UniProt...) and analysis tools (MEGA, Swiss-Pdb Viewer...).

Interests:

- Volunteer in the Red Cross (Blood Team).
- Qualified by PADI for diving.
- Driving license.