
BIOGRAPHICAL SKETCH

NAME: **González Costa, Tamara**
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POSITION TITLE: Postdoctoral Researcher, Centro Nacional de Investigaciones Cardiovasculares (CNIC)

EDUCATION/TRAINING:

INSTITUTION AND LOCATION	DEGREE	COMPLETION DATE	FIELD OF STUDY
Universidad Miguel Hernández (UMH), Elche, Spain	BSc	07/2017	Biotechnology
Universidad Autónoma de Madrid (UAM), Madrid	MSc	07/2018	Biomolecules and Cell Dynamics
Universidad Autónoma de Madrid (UAM) Centro Nacional de Investigaciones Cardiovasculares (CNIC), Madrid	PhD	04/2024	Molecular Biosciences
Centro Nacional de Investigaciones Cardiovasculares (CNIC), Madrid	Postdoctoral	Present	Cardiovascular, developmental biology

A. Personal Statement

During my PhD training in Prof. de la Pompa's lab, I analyzed the role of the deubiquitylase ubiquitin-specific protease USP8 in cardiovascular development and disease. Our research suggests that USP8 function in the heart is required for the metabolic maturation occurring during cardiac development. Besides, our research point to an essential role of USP8 in the onset of Cushing's Disease symptoms. Currently, we are preparing two manuscripts from this project for publication.

B. Positions, Scientific Appointments, and Honors

Positions

07/2018-09/2018 CICERONE Summer Fellow,
11/2018-10/2019 Research Trainee, Centro Nacional de Investigaciones Cardiovasculares (CNIC). Madrid, Spain.
10/2019-10/2023 PhD Candidate, Centro Nacional de Investigaciones Cardiovasculares (CNIC). Madrid, Spain.
12/2022-03/2023 Visiting PhD Researcher, New York University Grossman School of Medicine (NYUGSOM). New York (NY), USA.
06/2024-present Postdoctoral Researcher, Centro Nacional de Investigaciones Cardiovasculares (CNIC). Madrid, Spain.

Honors

2017 Research Fellowship, Universidad Miguel Hernández (UMH).
2017 BSc Dissertation, special distinction (Honors).
2018 MSc Scholarship and Research Fellowship, Universidad Autónoma de Madrid (UAM).
2018 CICERONE Summer Fellowship, Centro Nacional de Investigaciones Cardiovasculares (CNIC).
2019 Predoctoral Fellowship FPU18/01054, Spanish Ministry of Education, Innovation and Universities (MCIU).
2020/2024 Teaching Assistant at Dept. of Biochemistry, Faculty of Medicine, Universidad Autónoma de Madrid (UAM), as part of the FPU2018 training.
2020 Member, Spanish Society for Developmental Biology (SEBD).
2021 Organizing Committee of the PhDay 2021: Building Bridges between Science and Society.
2022 Member, European Society of Cardiology (SEC), DAP Group.
2022 EMBO Scientific Exchange Grant STF9949, European Molecular Biology Organization (EMBO).
2022 Boehringer Ingelheim Fonds Travel Grant 2022. Declined for incompatibilities.
2022 Company of Biologists Travelling Fellowship 2022. Declined for incompatibilities.

2023 JCDD-MDPI Travel Award, Journal of Cardiovascular Development (JCDD).
2023 SEBD Travel Award, Spanish Society for Developmental Biology (SEBD).
2024 International and Summa Cum Laude PhD mention.

C. Contributions to Science

Open Researcher and Contributor ID (ORCID): 0000-0001-9532-6625.

ResearcherID: KII-2874-2024.

Publications

1. Gonzalez-Costa T, de la Pompa JL, Grego-Bessa J. *En Face Endocardial Cushion Preparation for Planar Morphogenesis Analysis in Mouse Embryos*. J Vis Exp. 2022 Jul 27;(185). doi: 10.3791/64207.
2. Ostalé CM, Vega-Cuesta P, González T, López-Varea A, de Celis JF. RNAi screen in the Drosophila wing of genes encoding proteins related to cytoskeleton organization and cell division. Dev Biol. 2023 Jun;498:61-76. doi: 10.1016/j.ydbio.2023.03.010.

Thesis Dissertation

Thesis. Role of ubiquitin-specific protease USP8 in cardiovascular development and disease.

Directors: José Luis de la Pompa, Joaquim Grego Bessa.

Congresses

1. Gonzalez-Costa, T; de la Pompa, JL; Grego-Bessa, J. USP8 is required for cardiomyocyte maturation promoting the embryonic-to-fetal metabolic switch. DAP Meeting 2023. European Society of Cardiology (ESC). Paris (France), 2023. Poster.
2. Gonzalez-Costa, T; de la Pompa, JL; Grego-Bessa, J. Role of Ubiquitin Specific Protease 8 (USP8) in cardiac development and disease. 17th Spanish Society for Developmental Biology Meeting, Virtual Meeting, 2020. Oral communication.
3. Grego-Bessa, J; Gonzalez-Costa, T; de la Pompa, JL. Role of USP8 in cardiac development and disease. Malaga Cardiovascular Development Meeting 2019. European Society of Cardiology (ESC). Malaga (Spain), 2019. Poster.
4. Munoz-Nortes, T.; Gonzalez-Costa, T.; Ponce, M.R.; Candela, H.; Micol, J.L.. The DnaJ-like ANGULATA7 protein is required for plastid gene expression and thylakoidal membrane organization in Arabidopsis. XIII Meeting of Plant Molecular Biology. Universidad of Oviedo (Spain), 2016. Poster.