

**CURRICULUM VITAE**

**Part A. PERSONAL INFORMATION**

**CV date** 15.04.2024

First name	Rocío		
Family name	Moreno Cañadas		
Gender (*)	Female	Birth date (dd/mm/yyyy)	06/09/1997
Social Security, Passport, ID number	77656141E		
e-mail	rocio.moreno@ugr.es	<a href="#">URL Web</a>	
Open Researcher and Contributor ID (ORCID) (*)	0009-0005-8346-2239		

(\*) *Mandatory*

**A.1. Current position**

Position	Predoctoral Scientific (FPU22/03742)		
Initial date	22.01.2024		
Institution	University of Granada		
Department/Center	Biochemistry and Molecular Biology	<a href="#">Faculty of Pharmacy</a>	
Country	Spain	Teleph. number	958220314
Key words	Obesity, metabolism, insulin resistance, adipose tissue		

**A.2. Previous positions (research activity interruptions, art. 14.2.b))**

Period	Position/Institution/Country/Interruption cause
2024-current	PhD scientific /University of Granada/ Spain
2021-2023	Research Assistant/ Centre for Biological Research of the Spanish National Research Council (CIB-CSIC) /Spain
2020-current	Co-founder of scientific dissemination brand/ <a href="#">@Influencells</a> /Spain
2016-2017	Internship in genetic and genomic (SuTGen)/ University of Almería /Spain

**A.3. Education**

PhD in Molecular Nutrition	University of Granada/Spain	current
MSc in Molecular Biology Applied to Biotechnology Companies (BioEnterprise).	University of Granada/Spain	2021
MSc in Biochemistry, Molecular Biology and Biomedicine.	Complutense University of Madrid /Spain	2020
Graduate in Biotechnology.	University of Almería/Spain	2019

**Part B. CV SUMMARY**

**Scientific career:**

During the degree in Biotechnology, for 1 years I worked seasonally in the genetics department, thanks to an inthership, where I gained valuable experience in genetic engineering CRISPR/Cas technique. Finally, last year I was in the digestive modeling department studying the effect of the intake of unsaturated and saturated fats with the model organism *C elegans*. Later I specialized with a Master's degree in Biochemistry, Molecular Biology and Biomedicine, which led me to 2 years of experience at the Biological Research Centre as a Research Assistant (funded by European Youth Guarantee program). During this tenure, I carry out 1 project with patrolling monocytes, exploring their protect function and regulation in the context of melanoma and pneumococcal infection, in collaboration with the Pneumococcus Unit of the



National Centre of Microbiology. Additionally, I conducted a literature review, synthesizing and providing a fresh perspective on existing research in this area (PMID: 34603307).

Furthermore, as a result of the fake news about Covid and the vaccine, I started a project with journalists and scientists called @Influencells, a social media profile where fact-checking and dissemination are combined with entertainment. It has allowed us to collaborate with the Association of Biotechnologists, participating in the BioSouth congress (Meeting of Biotechnologists of Southern Spain, 04/01/2022) and as a speaker at the Round Table of the "Andalusian Scientific Communication Conference", 03/01/ 2022. Also collaborate with Social Media like Interalmería TV in 2021, talking about the International Day of Women and Girls in Science.

Currently, I have just started my PhD. (funded by the FPU program) at the University of Granada, in the Concepción Aguilera García group, where I study future biomarkers of childhood obesity, participating in projects such as KIDSADIOPOSEQ.

## Part C. RELEVANT MERITS

### C.1. Publications

1. **Moreno-Cañadas R**, Luque-Martín L, Arroyo AG. Intravascular Crawling of Patrolling Monocytes: A Lévy-Like Motility for Unique Search Functions? *Front Immunol.* 2021 Sep 17; 12:730835. doi: 10.3389/fimmu.2021.730835. (1/3 **IF: 8,786-D1**).

### C.2. Congress

1. **Rocío Moreno Cañadas 1**, Jose Antonio Nuñez Sanchez, Marco Brandimonte Hernández, Mercedes Gil Campos, Laura Herrero, Concepción M. Aguilera, Francisco Javier Ruiz Ojeda. Identificación de la fibromodulina en el tejido adiposo visceral como potencial diana terapéutica en niños con obesidad. XX SEEDO National Congress 27.11.2024, Santiago de Compostela, Spain. Poster presentation and Travel Grant for attendance.

2. Attendance at the XXXIII Congress of the Spanish Society of Nutrition. 19. 21.2024, Granada, Spain.

3. Laura Luque-Martín, **Rocío Moreno-Cañadas**, Alberto Jiménez-Montiel and Alicia G. Arroyo. Novel regulators of anti-metastatic activity to the lung of circulating patrolling monocytes. "II Congress of the Connexion-Cancer Network, CSIC". CSIC 23.01.2023, Benidorm, Spain. Poster presentation and Travel Grant for attendance.

4. **Rocío Moreno-Cañadas** and Alicia G. Arroyo. New mechanisms of regulation of patrolling monocytes activity. "IV Congreso Nacional de Jóvenes Investigadores en Biomedicina (ConBioPreVal)". 04.11.2020, Granada, Spain. Poster presentation.

### C.3. Research projects

1. Análisis Multiómico Y Validación De La Vasorina Como Nuevo Biomarcador De Riesgo Metabólico En Niños Con Obesidad. Proyectos para la financiación de la Investigación, Desarrollo e Innovación (I+D+I) en Biomedicina y en Ciencias de la Salud en Andalucía, 2022. Consejería de Salud y Consumo. Junta de Andalucía (Resolución definitiva 18.11.2022). PI-0192-2022. Budget: 112,152.60 €. Ejecution: 18.11.2022 to 17.11.2025.

#### Research member team.

2. Blood flow-dependent actions of MT-MMPs in health and disease 2.0. Plan Nacional I+D+I (Ministerio de Ciencia e Innovación). CIB-Margarita Salas-CSIC. PID2020-112981RB-I00. Budget: 278.300,00 €. 2021-2024. PI: Dr. Alicia García Arroyo. **Research member team.**

3. Unraveling the pathophysiology of adipose tissue of obese children through next-generation RNA sequencing-KIDSADIPOSEQ. University of Granada. OBN20PI03/202. 2020-2022. 75,000.0 €. PI: Dr. Laura Herrero. **Research member team.**



4. Blood flow-dependent actions of MT-MMPs in health and disease. Plan Nacional I+D+I (Ministerio de Ciencia e Innovación). CIB-Margarita Salas-CSIC. SAF2017-83229-R. Budget: 217.800,00 €. 2018-2021. PI: Dr. Alicia García Arroyo. **Research member team.**