

CV Date	21/01/2022
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Part A. PERSONAL INFORMATION

First Name	Adrián		
Family Name	Fragoso Luna		
Sex	Not Specified	Date of Birth	
ID number Social Security, Passport			
URL Web			
Email Address			
Open Researcher and Contributor ID (ORCID)	0000-0003-0325-7293		

A.1. Current position

Job Title	Titulado superior de actividades técnicas y profesionales		
Starting date	2022		
Institution	Centro Andaluz de Biología del Desarrollo		
Department / Centre			
Country	Spain	Phone Number	
Keywords			

A.2. Previous positions (Research Career breaks included)

Period	Job Title / Name of Employer / Country
2021 - 2021	Titulado superior de actividades técnicas y profesionales / Centro Andaluz de Biología del Desarrollo
2020 - 2021	Titulado superior de actividades técnicas y profesionales / INSTITUTO DE BIOLOGIA FUNCIONAL Y GENOMICA

A.3. Education

Degree/Master/PhD	University / Country	Year
Doctorado en Biología Funcional y Genómica	Universidad de Salamanca / Spain	2020
Máster Universitario en Microbiología y Parasitología: investigación y Desarrollo	Universidad Complutense de Madrid	2015
Grado en Bioquímica	Universidad Complutense de Madrid	2014

Part B. CV SUMMARY

Bachelor's degree in Biochemistry from Complutense University of Madrid (2014). I enjoyed a Beca de Colaboración of the Ministerio de Educación (2013-2014) to analyzed the resistance of several food-spoiling yeasts to the preservative sorbate in the laboratory of Dra María Isabel Silóniz at Department III of Microbiology from Complutense University. Master's degree in Microbiology and Parasitology: Research and Development from Complutense University (2015) and visitor student in Dr. Carlos Briones Llorente's laboratory in Center of Astrobiology (CAB, CSIC/INTA, Madrid), where I developed RNA aptamers against the Core protein of the Hepatitis C virus. The specific aptamers obtained are part of a paper in preparation and a patent solitud under revision. PhD in Functional Biology and Genomic from University of Salamanca (2020), funded by a Formación de Personal Investigador (FPI) Grant in Dr. José Pérez Martín laboratory in Functional and Genomic Institute (IBFG), Salamanca. During my thesis, I worked in the interplay between cell cycle and differentiation using the model organism *Caenorhabditis elegans*. We analyzed the role played by the E3-ubiquitin ligase APC/C bound to its co-activator FZR-1/Cdh-1 in the fate acquisition of the Distal Tip Cell, the stem-cell niche of *C. elegans*. Initial results from this thesis were exposed in a national Congress. I am increasing my expertise in *C. elegans* as I started a postdoctoral position (2021-present) in Dr. Peter Askjaer laboratory in Andalusian Centre for Developmental Biology (CABD, Sevilla),

where we are implementing SLAM-IT seq technique in *C. elegans*. This method allows the obtaining of transcriptomes at a tissue-specific level avoiding cell-sorting steps. The results obtained so far are published in BioXiv. In parallel to research, I participated, from 2019 to 2021 in Micromundo, a scientific dissemination project that tackles two different goals: create science vocations among high-school students and raise awareness in citizens on the growing problem of antibiotic resistance. To accomplish both purposes we developed scientific projects to discover new antibiotic-producer bacterias. Results from this project were presented in an international Congress.

Part C. RELEVANT ACCOMPLISHMENTS

C.1. Most important publications in national or international peer-reviewed journals, books and conferences

AC: corresponding author. (n° x / n° y): position / total authors. If applicable, indicate the number of citations

- 1 **Scientific paper.** Adrián Fragoso-Luna; Cristina Ayuso; Michael Eibl; Celia Muñoz-Jiménez; Vladimir Benes; Ildefonso Cases. Expanded FLP toolbox for spatiotemporal protein degradation and transcriptomic profiling in *C. elegans* BioXiv.
- 2 **Scientific paper.** Beatriz Torres-Vázquez; Ana María de Lucas; Carlos García-Crespo; et al; Carlos Briones. In vitro selection of high affinity DNA and RNA aptamers that detect HCV core protein of genotypes 1 to 4 and inhibit virus production in cell culture Journal of Molecular Biology (under revision).

C.2. Conferences and meetings

- 1 Margarita Diaz; Ramón Santamaría; Ricardo Sánchez de la Nieta Moreno; Adrián Fragoso Luna; Carlos Rodríguez Vázquez de Aldana; Beatriz Santos. A Service-learning Strategy To Teach Microbiology: Micromundo@Salamanca-Spain. An Active Search For New Antibiotic Producer Microorganisms. World Microbe Forum. American Society of Microbiology (ASM) and Federation of European Microbiological Societies (FEMS). 2021.
- 2 Adrián Fragoso Luna; José Pérez Martín. APC/CFZR-1 participates in germline development in *Caenorhabditis elegans*. VII Spanish Worm Meeting. IDIBELL, UVIC-UCC, CRG, ICFO, ICMAB. 2019. Spain.
- 3 Ana María de Lucas Cerrillo; Miguel Moreno Molina; Adrián Fragoso Luna; Beatriz Torres Vázquez; Carlos Briones Llorente. RNA and DNA aptamers targeting HCV core protein and its applicability to HCV diagnosis. Aptamers V Congress on Aptamers. International Society on Aptamers. 2016. United Kingdom.

C.4. Activities of technology / knowledge transfer and results exploitation

Ana María de Lucas Cerrillo; Adrián Fragoso Luna; Miguel Moreno Molina; María Fernández Algar; Ana García Sacristán; Víctor Manuel González Muñoz; Elena Marín Palma; Beatriz Torres Vázquez. EP21382710. APTAMERS AGAINST THE HEPATITIS C VIRUS CORE PROTEIN (solicitud de patente enviada) Spain. 29/07/2021. Consejo Superior de Investigaciones Científicas (CSIC), Instituto Nacional de Técnica Aeroespacial (INTA), Fundación para la Investigación Biomédica del Hospital Universitario Ramón y Cajal (FIBioHRC).