CURRICULUM VITAE ABREVIADO (CVA)

Part A. PERSONAL INFORMATION

First name	TATIANA
Family name	GARCIA MUSE

Current position

Position	Profesor Titular de Universidad (Associate Professor)
Initial date	3/11/2021
Institution	Universidad de Sevilla
Key words	Meiosis, DNA damage response, C.elegans, Genomic instability

Previous positions

Period	*Position/Institution/Country/Interruption cause*
05/01/2004-05/01/2008 (48m)	Postdoc at Clare Hall Lab (Cancer ResearchUK, London,UK)
01/03/2008-13/07/2011 (41m)	JAE-doc CSIC/ CABIMER/ Spain
19/06/2011- 18/05/2013 (23m)	Postdoc de Excelencia/US-CABIMER/ Spain
19/05/2013- 13/07/2015 (26m)	Senior Postdoc /CABIMER/Spain
14/07/2015- 17/12/2020 (68m)	Prof. Ayudante Doctor/ Universidad de Sevilla/ Spain
18/12/2020- 02/11/2021 (11m)	Prof. Contratado Doctor/ Universidad de Sevilla/ Spain

Education

PhD, Licensed, Graduate	*University/Country*	*Year*
Lcda. Biología	Universidad de Sevilla	1998
Dra. Biología Molecular	Universidad Autónoma de Madrid	2003

TEACHING EXPERIENCE SUMMARY

As a member of the Genetic Department at the Universidad de Sevilla since 2011, I had the opportunity be involved in a wide range of teaching activities. In summary, I have contributed to the teaching of three different degree programs, a Master's, an undergraduate degree, and the now-extinct Licenciatura in Biology, covering five different courses, as well as supervising final-year projects (TFEs) for the Master's degrees in Molecular Genetics and in Advanced Biology, and for the undergraduate degrees in Biology and Biomedicine. I would also like to highlight that I have served as Course Coordinator at both undergraduate and Master's levels.

Regarding the type of teaching, I have participated (and continue to do so) in lectures, lecture–practical sessions (problem-solving and case studies), laboratory classes, and computer-based practical. I have also supervised more than ten Bachelor's theses (TFGs) and three Master's theses (TFMs). Approximately 60% of my teaching load has been dedicated to lectures or lecture–practical activities (such as problem-solving and other exercises), around 15% to supervising final-year projects, and the remainder to practical activities in the laboratory or computer room.

In addition, I have repeatedly served as a member of the examination panel for Bachelor's theses in Experimental Biology, as well as for Master's theses in the Master's program in Molecular Genetics and Biotechnology.

RELEVANT RESEARCH MERITS

Publications (last 10 years)

Fernandez-Fernandez N, Chacón, Camino LP & García-Muse T. Damage-induced phosphorylation of BRC-1/BRD-1 in meiosis preserves germline integrity. Nucleic Acids Research (DOI: 10.1093/nar/gkaf945).

Zheleva A, Camino LP, Fernández-Fernández N, García-Rubio M, Askjaer P, García-Muse T*, Aguilera A. 2021. THSC/TREX-2 deficiency causes replication stress and genome instability in *Caenorhabditis elegans*. J Cell Sci. 134(20):jcs258435. (*corresponding) IF(SJR): 2.3; Q1

San Martin-Alonso M, Soler-Oliva ME, García-Rubio M, García-Muse T*, Aguilera A. 2021. Harmful R-loops are prevented via different cell cycle-specific mechanisms. Nat Commun. 12(1):4451. (*co-corresponding) IF(SJR): 5.5; Q1

García-Muse T. 2021. Detection of DSBs in *C. elegans* Meiosis. Methods Mol Biol. 153:287-293.

García-Muse T, Aguilera A. 2019. R Loops: From Physiological to Pathological Roles. Cell. 179:604-618. IF(JRC): 36.2; Q1

García-Muse T*, Galindo-Diaz U, Garcia-Rubio M, Martin JS, Polanowska J, O'Reilly N, Aguilera A, & Boulton SJ. 2019. A meiotic checkpoint alters repair partner bias to permit inter-sister repair of persistent DSB. Cell Rep. 15:775-787. (*co-corresponding) IF(JRC): 8.03; Q1

García-Muse T, Aguilera A. 2016. Transcription-replication conflicts: how they occur and how they are resolved. Nat Rev Mol Cell Biol. 17(9):553-63. IF(JRC): 38.6; Q1

Gaillard H, García-Muse T, Aguilera A. 2015. Replication stress and cancer. Nat Rev Cancer. 15(5):276-89. IF(JRC): 37.9; Q1

Research projects

PROJECT TITLE: Papel de ATR/ATM en la Respuesta al daño en el ADN durante Meiosis. (PID2021-123850NB-I00)
FINANCING ENTITY: Ministerio de Ciencia e Innovación
DURATION 3 years FROM: Sep 2022 TO: Aug 2025
PRINCIPAL INVESTIGATOR: Tatiana García Muse

PROJECT TITLE: Fosforilaciones de ATM/ATR en respuesta al daño en el ADN durante la meiosis (PGC2018-101099-BI00)
FINANCING ENTITY: Ministerio de Ciencia, Innovación y Universidades
DURATION 3 years FROM: Jan 2019 TO: Dec 2021
PRINCIPAL INVESTIGATOR: Tatiana García Muse

PROJECT TITLE: Ayudas para la gestión de la investigación y de la transferencia del conocimiento (2020/00000690)
FINANCING ENTITY: Universidad de Sevilla. Plan Propio
DURATION 24 months FROM: Jan 2020 TO: Dec 2021
PRINCIPAL INVESTIGATOR: Tatiana García Muse

PROJECT TITLE: Ayudas a proyectos precompetitivos "Fosforilaciones de ATM/ATR en respuesta al daño en el ADN" (2019/00000463)
FINANCING ENTITY: Universidad de Sevilla. Plan Propio
DURATION 6 months FROM: May 2018 TO: Dec 2018
PRINCIPAL INVESTIGATOR: Tatiana García Muse

PROJECT TITLE: Ayudas por captación de fondos "Fosforilaciones de ATM/ATR en respuesta al daño en el ADN" (2018/00000498)
FINANCING ENTITY: Universidad de Sevilla. Plan Propio
DURATION 3 years FROM: May 2019 TO: Dec 2021
PRINCIPAL INVESTIGATOR: Tatiana García Muse