

Date of the CVA	23/06/2020
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Section A. PERSONAL DATA

Name and Surname	Cristina Sánchez-Puelles Peñaranda		
DNI	51111452R	Age	33
Researcher's identification number	Researcher ID	I-9995-2018	
	Scopus Author ID	55027449300	
	ORCID	0000-0001-6911-1188	

A.1. Current professional situation

Institution	Tetraneuron		
Dpt. / Centre			
Address			
Phone	(+34) 650700573	Email	csanchezpuelles@cajal.csic.es
Professional category	GP1	Start date	2018
UNESCO spec. code			
Keywords			

A.2. Academic education (Degrees, institutions, dates)

Bachelor/Master/PhD	University	Year
Programa Oficial de Doctorado en Bioquímica, Biología Molecular, Biomedicina y Biotecnología (Biociencias Moleculares)	Universidad Autónoma de Madrid	2017
Máster Universitario en Biotecnología	Universidad Autónoma de Madrid	2012
Licenciado en Bioquímica	Universidad Autónoma de Madrid	2010

A.3. General quality indicators of scientific production

h-index: 2

Total citations: 92 (Scopus)

3 publications in Q1 quartile

Mederos S., **Sánchez-Puelles C.**, Esparza J., Valero M., Ponomarenko A., Perea G. (under revision) GABAergic signaling to astrocytes in prefrontal cortex sustains goal directed behaviours. **Nature Neuroscience**.

Sánchez-Puelles C., Calleja-Felipe M., Ouro A., Bougamra G., Arroyo A., ..., Esteban J.A.* , Knafo S.*(2020). PTEN Activity Defines an Axis for Plasticity at Cortico-Amygdala Synapses and Influences Social Behavior. **Cerebral Cortex**, 2020 Mar 21;30(2):505-524. doi: 10.1093/cercor/bhz103. *Co-corresponding authors Impact factor: 5.437 Citations: 2 (Scopus)

Knafo S.* , **Sánchez-Puelles C.**, Palomer E., Delgado I., Draffin J. E., Mingo J., ... Venero C.* & Esteban J. A*. (2016). PTEN recruitment controls synaptic and cognitive function in Alzheimer's models. **Nature Neuroscience**, 19(3), 443–453. <https://doi.org/10.1038/nn.4225> *Co-corresponding authors, senior investigators. Impact factor: 21.126. Citations: 57 (Scopus)

Knafo, S. ¹*, Venero, C. ¹*, **Sánchez-Puelles, C.**, Pereda-Peréz, I.,... Esteban, J. A*. (2012). Facilitation of AMPA Receptor Synaptic Delivery as a Molecular Mechanism for Cognitive Enhancement. **PLoS Biol** 10(2): e1001262. doi:10.1371/journal.pbio.1001262 . ¹ These authors contributed equally to this work. * Co-corresponding authors. Impact factor : 8.386. Citations: 33 (Scopus)

Section B. SUMMARY OF THE CURRICULUM

Postdoctoral researcher in the Cajal Institute with a Torres Quevedo (PTQ2019) grant in collaboration with Tetraneuron S.L., involve in the cognitive recovery in Alzheimer disease murine models using a novel therapy based in a dominant negative form of E2F4.

PhD in Biochemistry, Biomedicine and Biotechnology from the Autonomous University of Madrid in 2017 (Cum Laude). PhD title: The role of PTEN in synaptic and cognitive function and in social behavior. Ten years of experience in biomedical research (as a career, master and thesis student and as a postdoctoral student), involved in different projects based on the study of brain pathologies, such as Alzheimer's disease, Autism spectrum disorders and Major Depression Disorder. Characterization of cognitive process using behavioral, electrophysiological, biochemistry and imaging techniques, based on the study of synaptic plasticity and its molecular processes.

Three articles published in very high impact journals (Cerebral Cortex, Nature Neuroscience and PLOS Biology), and other under revision in Nature Neuroscience. Participation in three international and three national congresses, with presentation of posters and selected to give a short talk, awarded with several grants to attend these congresses (SENC, FENS and IBRO). Active participation as an external professor in two official master's degrees, Bioengineering and Aerospace Engineering at the Carlos III University and Neuroscience at the Autonomous University of Madrid.

Section C. MOST RELEVANT MERITS (ordered by typology)

C.1. Publications

- 1 **Scientific paper.** Shira Knafo; et al. 2016. PTEN recruitment controls synaptic and cognitive function in Alzheimer's models Nature Neuroscience. Nature Publishing Group. 19-3, pp.443-453.
- 2 **Scientific paper.** Shira Knafo; et al. (19/2). 2012. Facilitation of AMPA Receptor Synaptic Delivery as a Molecular Mechanism for Cognitive Enhancement PLoS Biology. Public Library of Science. 10-2, pp.1-17.
- 3 **Scientific paper.** Sánchez-Puelles C.; et al. 2020. PTEN Activity Defines an Axis for Plasticity at Cortico-Amygdala Synapses and Influences Social Behavior Cerebral Cortex. Oxford. 30-2, pp.505-524.

C.2. Participation in R&D and Innovation projects

C.3. Participation in R&D and Innovation contracts

C.4. Patents