

CURRICULUM VITAE (DATE: November 2021)

SECTION A. PERSONAL DATA

Name and Surname	M ^a TERESA CARRILLO DE LA PEÑA,		
DNI/NIE/passport	15373033V	Age	56
Researcher's identification number	Researcher ID	C-4460-2013	
	Orcid Code	0000-0001-6940-2460	

A.1. Current professional situation

Institution	UNIVERSIDAD DE SANTIAGO DE COMPOSTELA		
Dpt./Centre	FACULTAD DE PSICOLOGÍA. DEPARTAMENTO DE PSICOLOGÍA CLÍNICA Y PSICOBIOLOGÍA		
Address	CAMPUS UNIVERSITARIO SUR S/N		
Phone	881813798	email	Mteresa.carrillo@usc.es
Professional Category	PROFESORA TITULAR (public official)	Start data	January 2002
UNESCO specialization codes	249000 - Neurosciences; 610601 - Brain function		
Keywords	Cognitive neuroscience, psychological processes, inhibition, pain, brain electrical activity		

A.2. Education (degrees, institutions, dates)

Bachelor/Master/PhD	Universidad	Year
Bachelor in Psychology	University of Deusto (Spain)	1988
Doctorate in Psychology	University of Santiago de Compostela (Spain)	1994

A.3. General quality indicators of scientific production

H Index: 25. i10 index: 40. Total number of cites: 2229 (source: Google Metrics)

Research Gate (RG) index: 31.91

Mean number of cites per year in the last 5 years: 188 cites/year (fuente: Google Metrics)

Five 6-year periods of research work with positive assessment by the Spanish Ministry of Education (last assessment in 2019)

Direction of 4 doctoral dissertations already defended and current direction of 3 doctorate theses in phase of realization

SECTION B. MOST RELEVANT MERITS (ordered by typology)

B.1. PUBLICATIONS (in the last 7 years, in chronological order)

Gil-Ugidos, A., Rodriguez-Salgado, D., Pidal-Miranda, M., Samartín-Veiga, N., Fernández-Prieto, M., & **Carrillo-de-la-Peña**, M. T. Working memory performance, pain and associated clinical variables in women with fibromyalgia. *Frontiers in Psychology*, 4640.

Samartin-Veiga, N., Pidal-Miranda, M., González-Villar, A. J., Bradley, C., Garcia-Larrea, L., O'Brien, A. T., & **Carrillo-de-la-Peña**, M. T. (2021). Transcranial direct current stimulation of three cortical targets is no more effective than placebo as treatment for fibromyalgia: a double-blind sham-controlled clinical trial. *PAIN*.

Gerra, M. C., Carnevali, D., Ossola, P., González-Villar, A., Pedersen, I. S., Triñanes, Y., ... & **Carrillo-de-la-Peña**, M. T. (2021). DNA Methylation Changes in Fibromyalgia Suggest the Role of the Immune-Inflammatory Response and Central Sensitization. *Journal of Clinical Medicine*, 10(21), 4992.

Gerra, M. C., Carnevali, D., Pedersen, I. S., Donnini, C., Manfredini, M., González-Villar, A., ... & **Carrillo-De-La-Peña, M. T.** (2021). DNA methylation changes in genes involved in inflammation and depression in fibromyalgia: a pilot study. *Scandinavian Journal of Pain*, 21(2), 372-383.

Gerra, M. C., González-Villar, A., Arendt-Nielsen, L., Pedersen, I. S., Triñanes, Y., Donnini, C., ... & **Carrillo-de-la-Peña, M. T.** (2021). A family-based study to identify genetic biomarkers of fibromyalgia: consideration of patients' subgroups. *Clin Exp Rheumatol*, 39(130), S144-S152.

Carrillo-de-la-Peña, M. T., González-Villar, A., & Triñanes, Y. (2021). Effects of the COVID-19 pandemic on chronic pain in Spain: a scoping review. *Pain Reports*, 6(1).

González-Villar, A. J., Triñanes, Y., Gómez-Perretta, C., & **Carrillo-de-la-Peña, M. T.** (2020). Patients with fibromyalgia show increased beta connectivity across distant networks and microstates alterations in resting-state electroencephalogram. *Neuroimage*, 223, 117266.

Samartin-Veiga, N., González-Villar, A. J., Triñanes, Y., Gómez-Perretta, C., & **Carrillo-de-la-Peña, M. T.** (2020). Effects of intensity, attention and medication on auditory-evoked potentials in patients with fibromyalgia. *Scientific reports*, 10(1), 1-12.

Fernandes, C., Pidal-Miranda, M., Samartin-Veiga, N., & **Carrillo-de-la-Peña, M. T.** (2019). Conditioned pain modulation as a biomarker of chronic pain: a systematic review of its concurrent validity. *Pain*

Samartin-Veiga, N., González-Villar, A. J., & **Carrillo-de-la-Peña, M. T.** (2019). Neural correlates of cognitive dysfunction in fibromyalgia patients: Reduced brain electrical activity during the execution of a cognitive control task. *NeuroImage: Clinical*, 101817

González-Villar, A. J., Arias, M., & **Carrillo-de-la-Peña, M. T.** (2019). Brain electrical activity associated with visual attention and reactive motor inhibition in patients with fibromyalgia. *Psychosomatic Medicine*, 81(4), 380-388.

Carrillo-de-la-Peña, M. T., Bonilla, F. M., & González-Villar, A. J. (2019). Effect of the stop-signal modality on brain electrical activity associated with suppression of ongoing actions. *Biological psychology*, 143, 85-92.

O'Brien, A. T., Deitos, A., Pego, Y. T., Fregni, F., & **Carrillo-de-la-Peña, M. T.** (2018). Defective Endogenous Pain Modulation in Fibromyalgia: A Meta-Analysis of Temporal Summation and Conditioned Pain Modulation Paradigms. *The Journal of Pain*, 19(8), 819-836.

Pidal-Miranda, M., González-Villar, A. J., & **Carrillo-de-la-Peña, M. T.** (2018). Pain expressions and inhibitory control in patients with fibromyalgia: behavioral and neural correlates. *Frontiers in behavioral neuroscience*, 12.

Pidal-Miranda, M., González-Villar, A. J., **Carrillo-de-la-Peña, M. T.**, Andrade, E., & Rodríguez-Salgado, D. (2018). Broad cognitive complaints but subtle objective working memory impairment in fibromyalgia patients. *PeerJ*, 6, e5907.

González-Villar, A. J., Samartin-Veiga, N., Arias, M., & **Carrillo-de-la-Peña, M. T.** (2017). Increased neural noise and impaired brain synchronization in fibromyalgia patients during cognitive interference. *Scientific Reports*, 7 (5841).

González-Villar, A. J., Pidal-Miranda, M., Arias, M., Rodríguez-Salgado, D., & **Carrillo-de-la-Peña, M. T.** (2017). Electroencephalographic evidence of altered top-down attentional modulation in fibromyalgia patients during a working memory task. *Brain Topography*, 1-9.

González-Villar, A. J., & **Carrillo-de-la-Peña**, M. T. (2017). Brain electrical activity signatures during performance of the Multisource Interference Task. *Psychophysiology*, 54(6), 874-881.

González-Villar, A. J., Bonilla, F. M., & **Carrillo-de-la-Peña**, M. T. (2016). When the brain simulates stopping: neural activity recorded during real and imagined stop-signal tasks. *Cognitive, Affective, & Behavioral Neuroscience*, 16(5), 825-835.

Galdo-Alvarez, S., Bonilla, F. M., González-Villar, A. J., & **Carrillo-de-la-Peña**, M. T. (2016). Functional equivalence of imagined vs. real performance of an inhibitory task: An EEG/ERP study. *Frontiers in Human Neuroscience*, 10.

Gómez-Perretta, C., Triñanes, Y., González-Villar, A. J., & **Carrillo-de-la-Peña**, M. T. (2016). Evaluation of the accuracy of several symptoms and domains in distinguishing patients diagnosed with fibromyalgia from healthy controls. *Clinical and Experimental Rheumatology*, 34(2 Suppl 96), S14-25.

Trinanes, Y., González-Villar, A. J., Gómez-Perretta, C., & **Carrillo-de-la-Peña**, M. T. (2015). Suicidality in chronic pain: predictors of suicidal ideation in fibromyalgia. *Pain Practice*, 15(4), 323-332. Citations: 14

Carrillo-de-la-Peña, M. T., Triñanes, Y., González-Villar, A. J., Romero-Yuste, S., Gómez-Perretta, C., Arias, M., & Wolfe, F. (2015). Convergence between the 1990 and 2010 ACR diagnostic criteria and validation of the Spanish version of the Fibromyalgia Survey Questionnaire (FSQ). *Rheumatology International*, 35(1), 141-151.

Carrillo-de-la-Peña, M. T., Triñanes, Y., González-Villar, A. J., Gómez-Perretta, C., & García-Larrea, L. (2015). Filtering out repetitive auditory stimuli in fibromyalgia: A study of P50 sensory gating. *European Journal of Pain*, 19(4), 576-584.

Triñanes, Y., González-Villar, A., Gómez-Perretta, C., & **Carrillo-de-la-Peña**, M. T. (2014). Profiles in fibromyalgia: algometry, auditory evoked potentials and clinical characterization of different subtypes. *Rheumatology International*, 34(11), 1571-1580.

González-Villar, A. J., Triñanes, Y., Zurrón, M., & **Carrillo-de-la-Peña**, M. T. (2014). Brain processing of task-relevant and task-irrelevant emotional words: An ERP study. *Cognitive, Affective, & Behavioral Neuroscience*, 14(3), 939-950.

B.2. PARTICIPATION IN RESEARCH AND INNOVATION PROJECTS (last 5 years)

Principal investigator (PI) of the following projects

“Fibromyalgia (FM) biomarkers: genetic profile, pain inhibitory control and processing of painful and emotional stimuli in FM patients”. (PN) National Plan. Duration: 1/1/2014 a 31/12/2016. Project Code: PSI2013-45818-R. Spanish Ministry of Economy and Competitiveness. PI: M. Teresa Carrillo.

“Efficacy of non-invasive brain stimulation in patients with fibromyalgia: comparison of clinical effects of two cortical targets”. Call: Retos 2016. (PN) National Plan. Duration: 30/12/2016 - 29/12/2019. Project reference: PSI2016-75313-R. Funds from the Spanish State Research Agency, co- founded by European Funds (operational program 2014-2020). PI: M. Teresa Carrillo. Amount granted: € 49,973.00

PI: M. Teresa Carrillo. Amount granted: € 17,345.00

PI: M. Teresa Carrillo. Amount granted: € 6000

PI: M. Teresa Carrillo. Amount granted: € 133.100

PI: M. Teresa Carrillo. Amount granted: € 22000

“Consolidation and structuring 2021 GRC GI-1807 Applied Cognitive Neuroscience and Psycho- Gerontology” (NeuCogA-Aging). Competitive Group. Project code: **ED431C 2021/04**. (PG) Galician Plan Duration: 01/01/2021 - 31/12/2024. Funds from the Galician Council of Culture, Education and Universities.

Carrillo-de-la-Peña, M.T., Samartin-Veiga, N., Pidal-Miranda, M., Fernandes, C. (2019). Predictive validity of Conditioned Pain Modulation (CPM) as a biomarker of chronic pain: A systematic qualitative review. 11th EFIC Conference, Valencia.

Gerra, M. C., Pedersen, I. S., Carnevali, D., González-Villar, A., Triñanes, Y., Pidal-Miranda, M., ... & **Carrillo-de-la-Peña**, M. T. (2019). Single-Base Resolution Analysis of DNA Methylation in Fibromyalgia Women Compared with Their Healthy Sisters. In *Scandinavian Association for the Study of Pain (SASP) Congress 2019*.

Gerra, M. C., Pedersen, I. S., Carnevali, D., Manfredini, M., Donnini, C., González-Villar, A., ... & **Carrillo-de-la-Peña**, M. T. (2019). Targeted single-base resolution analysis of DNA methylation in fibromyalgia women compared with their healthy sisters. In *11th Congress of The European PAIN Federation EFIC*.

Samartin-Veiga, N., González-Villar, A. J., **Carrillo-de-la-Peña**, M. T. "Brain electrical activity related to cognitive dysfunction in patients with fibromyalgia" 10th Congress of the European Federation of IASP Chapters (EFIC). Copenhagen, Denmark; September, 2017. Poster

Pidal-Miranda, M., González-Villar A. J., **Carrillo-de-la-Peña**, M. T. "Attentional bias to emotional faces in patients with fibromyalgia: a study with ERPs." Cutting EEG. Glasgow, Scotland. June, 2017. Poster

Samartin-Veiga N., González-Villar A. J., Triñanes, Y., **Carrillo-de-la-Peña**, M. T. "Is there central sensitization in fibromyalgia? A study with auditory evoked potentials to tones of increasing intensity". Cutting EEG. Glasgow, Scotland. June, 2017. Poster

González-Villar, A. J., Pidal-Miranda, M., Rodríguez-Salgado, D., Arias, M., **Carrillo-de-la-Peña**, M.T. "Electroencephalographic evidence of altered top-down attentional modulation in fibromyalgia patients during a working memory task". III ESCAN conference. Porto, Portugal; 23-26 June, 2016. Poster

B.4. RESEARCH STAYS (last 5 years)

Laboratory of Neuropsychophysiology. Faculty of Psychology. University of Porto. Portugal (1-9-2021 to 15-01-2021).

Laboratory of Neuromodulation. Spaulding Hospital. Medical School of Harvard University. Boston, USA (1-6-2016 to 31-8-2016)

Laboratory of Neuropsychophysiology. Faculty of Psychology. University of Porto. Portugal (15-6-2017 to 31-6-2017)

B.5. OTHER MERITS

MEMBERSHIP OF SCIENTIFIC SOCIETIES/INSTITUTIONS

European Pain Federation (EFIC)

Sociedad Española de Psicofisiología y Neurociencia Cognitiva y Afectiva (SEPNECA)

Instituto de Investigaciones Sanitarias de Santiago de Compostela (IDIS).

REVIEWER FOR SEVERAL SCIENTIFIC JOURNALS

Journal of Psychophysiology, Neurophysiology Clinique/Clinical Neurophysiology, Psicothema, Pain, Clinical Journal of Pain, European Journal of Pain, Clinical and Experimental Rheumatology

LANGUAGES

Spanish	Native.
Galician	Advanced
English	Advanced
French	Advanced

OTHER MERITS

Award in the call "VIII Premio Fundación FF y Ciencia-SER 2012 al mejor proyecto de investigación sobre fibromialgia"

Award for Best Communication in Poster format for the work: "Pain pressure threshold measured by algometry has the best discriminative power to distinguish between patients diagnosed with fibromyalgia and controls". II Jornadas Internacionales sobre el Estudio de la Fibromialgia (Madrid, May 2015)

Collaboration with the Spanish Agency for Assessment and Prospective (ANEP) for the assessment of research project since 2006.

Participation in teaching innovation and research.

Participation in activities of continuing education and training for professionals

Participation in activities of Science Communication in the community.