

Fecha del CVA

26/03/2025

Parte A. DATOS PERSONALES

Nombre	Santiago		
Apellidos	Galdo Álvarez		
Sexo	Hombre	Fecha de Nacimiento	
DNI/NIE/Pasaporte			
URL Web			
Dirección Email			
Open Researcher and Contributor ID (ORCID)	0000-0002-5242-3203		

A.1. Situación profesional actual

Puesto	Profesor Titular de Universidad (Associate Professor/Senior Lecturer)		
Fecha inicio	2022		
Organismo / Institución	Universidad de Santiago de Compostela		
Departamento / Centro	Psicología Clínica y Psicobiología / Facultad de Psicología		
País		Teléfono	
Palabras clave	Memoria; Atención; Control ejecutivo; Lenguaje y comunicación; Procesos cognitivos		

Parte B. RESUMEN DEL CV

My research career began in 2001 after completing a Bachelor's degree in Psychology at the University of Santiago de Compostela. I started a third-cycle program in Clinical Psychology and Psychobiology, studying evoked potentials related to higher cognitive processes, such as motor and executive control (movement imagination). This research has led to five publications in journals indexed in the JCR. In 2002, I joined the Cognitive Neuroscience and Psychogerontology research group led by Prof. Dr. Fernando Díaz Fernández. In 2007, I defended my doctoral thesis, which focused on memory and language processes in healthy aging (tip-of-the-tongue phenomenon), resulting in five scientific publications in JCR-indexed journals and a book chapter published by Cambridge University Press. Since then, most of my work has focused on healthy and pathological aging, including the search for biomarkers of mild cognitive impairment and Alzheimer's disease. In this ongoing research line, I have co-authored 20 international articles published in JCR-indexed journals and co-supervised three doctoral theses (two with European recognition, another with a special award; another, defended in 2022, aspires to a special award), and I am currently supervising three other theses in progress. In 2008, I began a 10-month postdoctoral stay at the Neuropsychophysiology Laboratory at the University of Minho in Braga, Portugal, where, in addition to learning new neural recording techniques (Nuclear Magnetic Resonance) and non-invasive neuromodulation, we established a collaborative network for studies focused on brain electrical activity in Williams Syndrome and evoked potentials related to affective processing. As a result of this collaboration, I have co-authored six international JCR-indexed articles, including the creation of a validated emotional film database with over 115 citations (source: Web of Science) and requested by research groups in more than 100 countries. In 2013, I led a research project, aimed at testing the therapeutic effect of transcranial direct current stimulation in patients with aphasia, evaluating these effects through neuropsychological and neurofunctional tests (EEG/Evoked Potentials and structural and functional MRI). Currently, three articles from this research line have been published in JCR journals, one article is under editorial review, and two articles are in preparation. Additionally, in 2015, I co-authored a chapter on transcranial direct current stimulation in a manual on therapies for Alzheimer's disease, and a recent JCR journal publication examined the effect of this technique on executive control processes (Mendes et al., 2024). Currently, my scientific output has been recognized with three research periods (sexenios), with the most recent period granted for 2017–2022. My h-index is 17 (source: Web of Science), including one publication with over 120 citations and four articles in the first

decile of JCR categories. Alongside my research career, in 2008, I began my teaching career with a temporary substitute teaching contract in the Department of Clinical Psychology and Psychobiology at USC; in 2009, I obtained an Assistant Professor position, which transitioned to a temporary substitute professor contract in 2013, achieving the position of Contracted Doctor Professor in 2016 and Associate Professor in 2022. In 2024, I obtained accreditation as a Full Professor (ANECA). In 2017, I also joined the governing team of the Faculty of Psychology at USC, serving as Academic Secretary (July 2017 to November 2017) and as Vice-Dean of Academic Organization and Degree Coordinator (November 2017 to September 2021).

Parte C. LISTADO DE APORTACIONES MÁS RELEVANTES

C.1. Publicaciones más importantes en libros y revistas con “peer review” y conferencias

AC: Autor de correspondencia; (nº x / nº y): posición firma solicitante / total autores. Si aplica, indique el número de citaciones

- 1 **Artículo científico.** Rivas-Fernandez, Miguel Angel; Bouhrara, Mustapha; Canales-Rodriguez, Erick J.; Lindin, Monica; Zurrón, Montserrat; Díaz, Fernando; Galdo-Alvarez, Santiago. 2025. Brain microstructure alterations in subjective cognitive decline: a multi-component T2 relaxometry study. BRAIN COMMUNICATIONS. 7-1.
- 2 **Artículo científico.** Varela-Lopez, Benxamin; Zurrón, Montserrat; Lindin, Monica; Díaz, Fernando; Galdo-Alvarez, Santiago. 2024. Compensation versus deterioration across functional networks in amnesic mild cognitive impairment subtypes. GEROSCIENCE. ISSN 2509-2715.
- 3 **Artículo científico.** Rivas-Fernandez, M. A.; Varela-Lopez, B.; Zurrón, M.; Lindin, M.; Díaz, F.; Galdo-Alvarez, S.2024. Subjective cognitive decline is associated with altered patterns of brain activity and connectivity during performance of an old/new recognition memory task. BIOLOGICAL PSYCHOLOGY. 193. ISSN 0301-0511.
- 4 **Artículo científico.** Mendes, A.J.; Galdo-Alvarez, S.; Lema, A.; Carvalho, S.; Leite, J.2024. Transcranial Direct Current Stimulation Decreases P3 Amplitude and Inherent Delta Activity during a Waiting Impulsivity Paradigm: Crossover Study. Brain Sciences. 14.
- 5 **Artículo científico.** Rivas-Fernandez, M.A.; Lindín, M.; Zurrón, M.; Díaz, F.; Lojo-Seoane, C.; Pereiro, A.X.; Galdo-Alvarez, S.2023. Neuroanatomical and neurocognitive changes associated with subjective cognitive decline. Frontiers in Medicine. 10.
- 6 **Artículo científico.** Miguel A. Rivas Fernández; Mónica Lindín; Montserrat Zurrón; et al; Santiago Galdo Alvarez. 2022. Brain atrophy and clinical characterization of adults with mild cognitive impairment and different CSF biomarker profiles according to the AT(N) research framework of Alzheimer’s Disease.Frontiers in Human Neuroscience. Frontiers. 16.
- 7 **Artículo científico.** Varela-López, B.; Cruz-Gómez, A.J.; Lojo-Seoane, C.; Díaz, F.; Pereiro, A.X.; Zurrón, M.; Lindín, M.; Galdo-Alvarez, S.2022. Cognitive reserve, neurocognitive performance, and high-order resting-state networks in cognitively unimpaired aging. Neurobiology of Aging. Elsevier. 117, pp.151-164.
- 8 **Artículo científico.** Cid-Fernández, S.; Rivas-Fernández, M.A.; Varela-López, B.; Galdo-Álvarez, S.2022. Combined anodal transcranial direct current stimulation and behavioural naming treatment improves language performance in patients with post-stroke aphasia. Brain Injury. Taylor-Francis. 36-8, pp.1039-1045.
- 9 **Artículo científico.** Alberto J. González Villar; Santiago Galdo Alvarez; María T. Carrillo de la Peña. 2022. Neural correlates of unpredictable Stop and non-Stop cues in overt and imagined execution.Psychophysiology. Wiley. 59-7. <https://doi.org/10.1111/psyp.14019>
- 10 **Artículo científico.** Rivas-Fernández, M.A.; Lindín, M.; Díaz, F.; Zurrón, M.; Galdo-Alvarez, S.2021. Changes in brain activity related to episodic memory retrieval in adults with single domain amnesic mild cognitive impairment. Biological Psychology. Elsevier. 166. <https://doi.org/10.1016/j.biopsycho.2021.108208>
- 11 **Artículo científico.** Rivas-Fernández, M.A.; Varela-López, B.; Cid-Fernández, S.; Galdo-Álvarez, S.2021. Functional Activation and Connectivity of the Left Inferior Frontal Gyrus during Lexical and Phonological Retrieval. Symmetry. MDPI. 13-9.

- 12 Artículo científico.** Miguel Ángel Rivas-Fernández; Santiago Galdo-Alvarez; Montserrat Zurrón; Fernando Díaz; Mónica Lindín. 2020. Spatiotemporal pattern of brain electrical activity related to immediate and delayed episodic memory retrieval. *Neurobiology of Learning and Memory*. Elsevier. 175.
- 13 Artículo científico.** Zurrón, Montserrat; Lindín, Mónica; Cespón, Jesús; Cid-Fernández, Susana; Galdo-Álvarez, Santiago; Ramos-Goicoa, Marta; Díaz, Fernando. 2018. Effects of mild cognitive impairment on the event-related brain potential components elicited in executive control tasks. *Frontiers in psychology*. Frontiers. 9, pp.842-842.
- 14 Artículo científico.** Cespón, Jesús; Galdo-Álvarez, Santiago; Díaz, Fernando. 2018. Event-related potentials reveal altered executive control activity in healthy elderly with subjective memory complaints. *Frontiers in Human Neuroscience*. Frontiers Media SA. 12.
- 15 Artículo científico.** Jesús Cespón; (2/3) Santiago Galdo-Álvarez; Fernando Díaz. 2016. Cognitive control activity is modulated by the magnitude of interference and pre-activation of monitoring mechanisms. *Scientific reports*. 6, pp.e39595-e39595. <https://doi.org/10.1038/srep39595>
- 16 Artículo científico.** Ramos-Goicoa, Marta; (2/4) Galdo-Álvarez, Santiago; Díaz, Fernando; Zurrón, Montserrat. 2016. Effect of Normal Aging and of Mild Cognitive Impairment on Event-Related Potentials to a Stroop Color-Word Task. *Journal of Alzheimer's Disease*. 52-4, pp.1487-1501. <https://doi.org/10.3233/JAD-151031>
- 17 Artículo científico.** (1/4) Galdo-Alvarez, Santiago (AC); Bonilla, Fidel M.; González-Villar, Alberto J.; Carrillo-de-la-Peña, María T. 2016. Functional Equivalence of Imagined vs. Real Performance of an Inhibitory Task: An EEG/ERP Study. *Frontiers in Human Neuroscience*. 10. <https://doi.org/10.3389/fnhum.2016.00467>
- 18 Artículo científico.** Cespon, Jesus; (2/4) Galdo-Alvarez, Santiago; Pereiro, Arturo X.; Diaz, Fernando. 2015. Differences between mild cognitive impairment subtypes as indicated by event-related potential correlates of cognitive and motor processes in a Simon task. *Journal of Alzheimer's Disease*. 43-2, pp.631-647. <https://doi.org/10.3233/JAD-132774>
- 19 Artículo científico.** Cespón, Jesús; (2/3) Galdo-Álvarez, Santiago; Díaz, Fernando. 2015. Inhibition deficit in the spatial tendency of the response in multiple-domain amnesic mild cognitive impairment. {An} event-related potential study. *Frontiers in aging neuroscience*. 7. <https://doi.org/10.3389/fnagi.2015.00068>
- 20 Artículo científico.** Zurrón, Montserrat; Lindín, Mónica; (3/4) Galdo-Alvarez, Santiago; Díaz, Fernando. 2014. Age-related effects on event-related brain potentials in a congruence/incongruence judgment color-word {Stroop} task. *Frontiers in aging neuroscience*. 6, pp.128-128. <https://doi.org/10.3389/fnagi.2014.00128>
- 21 Artículo científico.** Cespón, J.; Galdo-Álvarez, S.; Díaz, F. 2013. Age-related changes in ERP correlates of visuospatial and motor processes. *Psychophysiology*. 50-8, pp.743-757. <https://doi.org/10.1111/psyp.12063>
- 22 Artículo científico.** Cespón, Jesús; (2/3) Galdo-Álvarez, Santiago; Díaz, Fernando. 2013. Electrophysiological correlates of amnesic mild cognitive impairment in a {Simon} task. *PloS one*. 8-12, pp.e81506-e81506. <https://doi.org/10.1371/journal.pone.0081506>
- 23 Artículo científico.** Cespón, J.; Galdo-Álvarez, S.; Díaz, F. 2013. N2pc is modulated by stimulus-stimulus, but not by stimulus-response incompatibilities. *Biological psychology*. 93-1, pp.75-80. <https://doi.org/10.1016/j.biopsycho.2013.01.010>
- 24 Artículo científico.** Cespón, J.; (2/3) Galdo-Álvarez, S.; Díaz, F. 2013. Similarities and differences between interference from stimulus position and from direction of an arrow: Behavioral and event-related potential measures. *International Journal of Psychophysiology*. 90-2, pp.180-189. <https://doi.org/j.ijpsycho.2013.07.002>
- 25 Artículo científico.** Leite, Jorge; Carvalho, Sandra; (3/6) Galdo-Alvarez, Santiago; Alves, Jorge; Sampaio, Adriana; Gonçalves, Óscar F. 2012. Affective picture modulation: Valence, arousal, attention allocation and motivational significance. *International Journal of Psychophysiology*. 83-3, pp.375-381. <https://doi.org/10.1111/j.1469-8986.2012.01374.x>

- 26 Artículo científico.** Buján, Ana; Galdo-Álvarez, Santiago; Lindín, Mónica; Díaz, Fernando. 2012. An event-related potentials study of face naming: Evidence of phonological retrieval deficit in the tip-of-the-tongue state. *Psychophysiology*. 49-7, pp.980-990. <https://doi.org/10.1111/j.1469-8986.2012.01374.x>
- 27 Artículo científico.** Cespón, J.; (2/3) Galdo-Álvarez, S.; Díaz, F.2012. The Simon effect modulates N2cc and LRP but not the N2pc component. *International Journal of Psychophysiology*. 84-2, pp.120-129. <https://doi.org/10.1016/j.ijpsycho.2012.01.019>
- 28 Artículo científico.** Carvalho, Sandra; Leite, Jorge; (3/4) Galdo-Álvarez, Santiago; Gonçalves, Óscar F.2012. The emotional movie database (EMDB): a self-report and psychophysiological study. *Applied psychophysiology and biofeedback*. 37-4, pp.279-294. <https://doi.org/10.1007/s10484-012-9201-6>
- 29 Artículo científico.** Pinheiro, Ana P.; (2/6) Galdo-Alvarez, Santiago; Rauber, Andreia; Sampaio, Adriana; Niznikiewicz, Margaret; Gonçalves, Óscar F.2011. Abnormal processing of emotional prosody in Williams syndrome: An event-related potentials study. *Research in Developmental Disabilities*. 32-1, pp.133-147. <https://doi.org/10.1016/j.ridd.2010.09.011>
- 30 Artículo científico.** Galdo-Álvarez, Santiago; Lindín, Mónica; Díaz, Fernando. 2011. Brain dynamics associated with face-naming and the tip-of-the-tongue state. *Psicothema*. 23-2, pp.189-195.
- 31 Artículo científico.** Carvalho, Sandra; Leite, Jorge; (3/4) Galdo-Álvarez, Santiago; Gonçalves, Óscar F.2011. Psychophysiological correlates of sexually and non-sexually motivated attention to film clips in a workload task. *PloS one*. 6-12, pp.e29530-e29530. <https://doi.org/10.1371/annotation/7fba19d2-a461-41bd-b9cb-f635089aec>
- 32 Artículo científico.** Pinheiro, Ana P.; (2/5) Galdo-Álvarez, Santiago; Sampaio, Adriana; Niznikiewicz, Margaret; Gonçalves, Óscar F.2010. Electrophysiological correlates of semantic processing in Williams syndrome. *Research in Developmental Disabilities*. 31-6, pp.1412-1425. <https://doi.org/10.1016/j.biopsycho.2009.06.003>
- 33 Artículo científico.** Galdo-Alvarez, Santiago; Lindín, Mónica; Díaz, Fernando. 2009. Age-related prefrontal over-recruitment in semantic memory retrieval: {Evidence} from successful face naming and the tip-of-the-tongue state. *Biological psychology*. 82-1, pp.89-96. <https://doi.org/10.1016/j.biopsycho.2009.06.003>
- 34 Artículo científico.** Montserrat Zurrón; María Pouso; Mónica Lindín; (4/5) Santiago Galdo; Fernando Díaz. 2009. Event-related potentials with the Stroop colour-word task: Timing of semantic conflict. *International Journal of Psychophysiology*. 72, pp.246-252. <https://doi.org/10.1016/j.ijpsycho.2009.01.002>
- 35 Artículo científico.** (1/3) Díaz, Fernando (AC); Álvarez, Santiago Galdo; Novo, Mónica Lindín. 2009. Naming faces: a multidisciplinary and integrated review. *Psicothema*.
- 36 Artículo científico.** (1/3) Galdo-Alvarez, Santiago; Lindín, Mónica; Díaz, Fernando. 2009. The effect of age on event-related potentials (ERP) associated with face naming and with the tip-of-the-tongue (TOT) state. *Biological psychology*. 81-1, pp.14-23. <https://doi.org/10.1016/j.biopsycho.2009.01.002>
- 37 Artículo científico.** Carrillo-de-la-Pena, M. T.; (2/3) Galdo-Alvarez, S.; Lastra-Barreira, C.2008. Equivalent is not equal: Primary motor cortex (MI) activation during motor imagery and execution of sequential movements. *Brain research*. 1226, pp.134-143. <https://doi.org/10.1016/j.brainres.2008.05.089>
- 38 Artículo científico.** Díaz, Fernando; Lindín, Mónica; (3/5) Galdo-Alvarez, Santiago; Facal, David; Juncos-Rabadán, Onésimo. 2007. An event-related potentials study of face identification and naming: The tip-of-the-tongue state. *Psychophysiology*. 44-1, pp.50-68. <https://doi.org/10.1111/j.1469-8986.2006.00483.x>
- 39 Artículo científico.** Carrillo-de-la-Peña, M. T.; Lastra-Barreira, C.; (3/3) Galdo-Álvarez, S.2006. Limb (hand vs. foot) and response conflict have similar effects on event-related potentials (ERPs) recorded during motor imagery and overt execution. *European Journal of Neuroscience*. 24-2, pp.635-643. <https://doi.org/10.1111/j.1460-9568.2006.04926.x>
- 40 Artículo científico.** (1/2) Galdo-Álvarez, Santiago (AC); Carrillo-de-la-Peña, María T.2004. ERP evidence of MI activation without motor response execution. *Neuroreport*. 15-13, pp.2067-2070. <https://doi.org/http://dx.doi.org/10.1097/00001756-200409>