

Curriculum Vitae

Jesús Cespón González.

Date of birth: 21/01/1982. Boiro (A Coruña). Galicia (Spain).

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Academic Degrees

-Degree in Psychology (300 credits). University of Santiago de Compostela, 2006.

-Master en Neuroscience (120 credits, modalities: Cognitive Neuroscience, Medical Neurobiology). University of A Coruña, University of Santiago de Compostela, University of Vigo, 2008.

-PhD degree in Neuroscience (23rd of July, 2013, University of Santiago de Compostela). Title: “*Study, by means of event-related potentials, of the irrelevant dimensions of the stimulus in Simon-type tasks. Effects related to age and mild cognitive impairment*”. Qualification: Sobresaliente cum laude. International mention.

Past and Current positions

-*September 2008 - July 2013*: Predoctoral position (PhD student) in the Applied Cognitive Neuroscience group (Department of Clinical Psychology and Biological Psychology). University of Santiago de Compostela.

-*August 2013 – March 2014*: Postdoctoral stage in the Applied Cognitive Neuroscience group (Department of Clinical Psychology and Biological Psychology). University of Santiago de Compostela.

-*April 2014 – present*: Postdoctoral position in the Laboratory of Neurophysiology. Cognitive Neuroscience Section. IRCCS San Giovanni di Dio Fatebenefratelli (Brescia, Italia).

Research interests

My research interest concerns study of changes related with healthy ageing and cognitive decline (mild cognitive impairment –MCI- and Alzheimer’s disease -AD) in neurophysiological correlates of cognitive functions such as visuospatial, memory, cognitive control and motor processes by using electroencephalography (EEG) and event-related potential (ERP) techniques. Moreover, I am interested in studying

potential utility of non-invasive brain stimulation techniques to improve brain plasticity and restore cognitive functions in healthy elderly as well as in persons with cognitive decline (i.e. persons with MCI and AD).

Publications in peer reviewed journals

1. **Cespón, J.**, Galdo-Álvarez, S., & Díaz, F. (2012). The Simon effect modulates N2cc and LRP but not the N2pc component. *International Journal of Psychophysiology* 84, 120-129.
2. **Cespón, J.**, Galdo-Álvarez, S., & Díaz, F. (2013). N2pc is modulated by stimulus-stimulus, but not by stimulus-response incompatibilities. *Biological Psychology* 93, 75-80.
3. **Cespón, J.**, Galdo-Álvarez, S., & Díaz, F. (2013). Age-related changes in ERP correlates of visuospatial and motor processes. *Psychophysiology* 50, 743-757.
4. **Cespón, J.**, 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, 180-189.
5. **Cespón, J.**, Galdo-Álvarez, S., & Díaz, F. (2013). Electrophysiological correlates of amnesic mild cognitive impairment in a Simon task. *PLoS ONE* 8(12), e81506

Manuscripts in editorial processes:

- Cespón, J.**, Galdo-Álvarez, S., Pereiro, A. X., & Díaz, F. Differences between mild cognitive impairment (MCI) subtypes as indicated by event-related potential (ERP) correlates of cognitive and motor processes in a Simon task. *Manuscript submitted to Journal.*
- Cespón, J.**, Galdo-Álvarez, S., & Díaz, F. Inhibition deficit in the spatial tendency of the response in multiple-domain amnesic mild cognitive impairment. An event-related potential study. *Manuscript submitted to Journal.*

Active involvement in financial research projects

-Project title: “Psychophysiological markers in normal ageing, mild cognitive impairment, and Alzheimer’s disease”.

Funding body: Ministerio de Educación y Ciencia (Spanish Government) (SEJ2007-67964-C02-02/PSIC).

Duration: from September, 2007 to September, 2010.

Principal researcher: Fernando Díaz Fernández.

-Project title: “Neurocognitive ageing: cognitive and psychophysiological indexes of mild cognitive impairment and its evolution.

Funding body: Consellería de Innovación e Industria. Xunta de Galicia (regional autonomic Government) (PGIDIT07PXIB211018PR).

Duration: from November, 2007 to November, 2010.

Principal researcher: Fernando Díaz Fernández.

-Project title: Thematic network of Cognitive neuroscience.

Funding body: Ministerio de Ciencia e Innovación (Spanish government) (PSI2008-00968-E/PSIC).

Duration: from February, 2009 to January, 2012.

Principal researcher: Carles Escera i Micó.

Project title: Consolidation and structuration of competitive research units within university system of Galicia. Modality: new networks.

Funding body: Consellería de Educación e Ordenación Universitaria. Xunta de Galicia. (Expdiente: 2010/56).

Duration: from October, 2010 to September, 2012.

Principal researcher: Fernando Díaz Fernández

Project title: “Longitudinal study on psychophysiological markers in normal ageing, mild cognitive impairment, and Alzheimer`s disease

Funding body: Ministerio de Ciencia e Innovación, Spanish Government (PSI2010-22224-C03-03/PSIC).

Duration: from September, 2010 to September 2013.

Principal researcher: Fernando Díaz Fernández.

Project title: “Neurocognitive ageing. Longitudinal study on cognitive and psychophysiological markers of normal ageing, mild cognitive impairment, and Alzheimer`s disease”.

Funding body: Consellería de Economía e Industria. Xunta de Galicia (regional autonomic Government) (10 PXIB 211070 PR).

Duration: from November, 2010 to November 2013.

Principal researcher: Fernando Díaz Fernández.

Project title: Consolidation and estructuración of competitive resarch units 2012.

Modality: groups with potential for growing.

Funding body: Consellería de Cultura, educación e ordenación universitaria. Xunta de Galicia (regional autonomic government) (Reference: CN 2012/033)

Duration: from January, 2012 to November, 2014.

Principal researcher: Fernando Díaz Fernández.

Participation in Relevant Congress

- VI Congreso de la Sociedad Española de Psicofisiología (SEPNECA)

Castellón de la Plana (Spain), 18-21 of September, 2008.

FUE-UJI (University Jaume I-Empresa).

Oral Communication: “Estudio de la interacción entre dos tipos de interferencia estímulo-respuesta sobre el potencial de preparación lateralizado”.

- 49th Annual Meeting of the Society for Psychophysiological Research.

Berlin (Germany). 21-24 of October, 2009

The Society for Psychophysiological Research.

Presentation in panel. Cespón, Galdo-Álvarez, and Díaz: *“Interaction effects between location and direction of stimulus in three stimulus-response compatibility tasks”*

- VII Congreso de la Sociedad Española de Psicofisiología (SEPNECA).

Valencia (Spain). 15-18 of September, 2010.

Sociedad Española de Psicofisiología y Neurociencia Cognitiva y Afectiva.

Presentation in Panel: Cespón, Galdo-Álvarez and Díaz: *“Efecto de dos incompatibilidades estímulo-respuesta sobre potenciales evocados en ancianos”.*

- VI Workshop y VII reunión de la red temática de neurociencia cognitiva.

Sevilla (Spain). 14-15 of June, 2011.

Red Temática de Neurociencia Cognitiva.

Presentation in Panel. N2cc: Cespón, Galdo-Álvarez and Díaz: “*Estudio de la actividad inhibitoria en base a la posición del estímulo*”.

- 11th International Conference on Alzheimer`s & Parkinson`s diseases.
Florence (Italy). 6-10 of March, 2013

Kenes International.

Presentation in panel. Línín, Cespón, Galdo-Álvarez, and Díaz: “*Electrophysiological biomarkers of Mild Cognitive Impairment subtypes*”

Research Stays

- Department of Neuropsychology and Behavioural Neurobiology (University of Bremen). Bremen (Germany).

Dates: since 1st of December, 2010 to 31st of March, 2011.

- Department of Neuropsychology and Behavioural Neurobiology (University of Bremen). Bremen (Germany).

Dates: since 1st September, 2011 to 30th November, 2011.

Teaching Experience

Academic Year 2007/08: Psychophysiology (20 hours).

Academic Year 2009/10: Biological bases of the behaviour (30 hours).

Psychophysiology (30 hours).

Academic Year 2010/11: Psychophysiology (60 hours).