

**Esti Blanco-Elorrieta**

New York University

Neuroscience of Language Lab

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## **Academic Information**

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**Ph. D.:** Psychology: Cognition & Perception (2015 – ).

Institution: New York University.

Supervisor: Liina Pylkkänen.

**M.Sc.:** Cognitive Neuroscience of language (2013).

Institution: Basque Center on Cognition, Brain and Language (BCBL).

Dissertation: An alternative explanation for asymmetric switch-costs in unbalanced bilinguals.

Supervisors: Jon Andoni Duñabeitia and Clara Martin.

**B.A.:** Basque philology and Linguistics (honors) (2012).

Institution: University of Deusto.

## **Manuscripts and Publications**

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Blanco-Elorrieta, E. & Pylkkänen, L. (under review). Bilingual language control in perception vs. action: MEG reveals reactive control mechanisms in anterior cingulate cortex and domain-general proactive control in dorsolateral prefrontal cortex.

Blanco-Elorrieta, E., Ferreira, V.S., Del Prato, P., & Pykkänen, L. (under review). The priming of basic combinatory responses in MEG.

Blanco-Elorrieta, E. & Pykkänen, L. (2015). Composition of complex numbers: Delineating the computational role of the left anterior temporal lobe. *NeuroImage*, 124(Pt A):194-203.

Blanco-Elorrieta, E. & Pykkänen, L. (2015). Brain bases of language selection: MEG evidence from Arabic-English bilingual language production. *Frontiers in Human Neuroscience*, 9.

Pykkänen, L., Bemis, D.K. & Blanco-Elorrieta, E. (2014). Building phrases in language production: An MEG study of simple composition. *Cognition*, 133, 371-384.

## **Presentations**

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Blanco-Elorrieta, E. & Pykkänen, L. (2015). Switching in perception vs. action revealed by MEG: Reactive control in the ACC and proactive control in the dorsolateral PFC. Society for the Neurobiology of Language Annual Conference 2015, Chicago, USA. [pdf]

Blanco-Elorrieta, E. & Pykkänen, L. (2015). Composition of Complex Numbers: Delineating the computational role of the left anterior temporal lobe. Society for the Neurobiology of Language Annual Conference 2015, Chicago, USA.

Oseki Y., Gwilliams, L., Gaston, P., Blanco-Elorrieta, E., Pykkänen, L. & Marantz, A. (2015). Neural dynamics of morphological and phrasal composition. Society for the Neurobiology of Language Annual Conference 2015, Chicago, USA.

Blanco-Elorrieta, E. & Pykkänen, L. (2015). Switch mechanisms revealed by MEG: What is special about language switching? Talk presented at the Neuroscience of Language Workshop 2015, Abu Dhabi, UAE.

Blanco-Elorrieta, E. & Pykkänen, L. (2015). Bilingual language control: domain general in production but not comprehension? Evidence from MEG. Talk presented at the 5th Linguistics in the Gulf Conference 2015, Doha, Qatar.

Blanco-Elorrieta, E. & Pylkkänen, L. (2015). Brain bases of language selection: MEG evidence from Arabic-English bilingual language production. Talk presented at the NYUAD Annual Research Conference 2015, Abu Dhabi, U.A.E.

Blanco-Elorrieta, E. & Pylkkänen, L. (2014). Brain bases of language selection: MEG evidence from Arabic-English bilingual language production. Society for the Neurobiology of Language Annual Conference, Amsterdam.

Martin, C.D., Blanco-Elorrieta, E., & Duñabeitia, J.A. (2013). An alternative explanation to asymmetrical switch-costs in unbalanced bilinguals. Annual Psychonomics Conference, Toronto.

Blanco-Elorrieta, E., Martin, C.D., & Duñabeitia, J.A. (2013). Language switching is more than switching languages. Poster presentation at the Basque Center on Cognition, Brain and Language, Donostia-San Sebastián.

## **Grants and Awards**

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2015: i) New York University: MacCracken Fellowship for Doctoral studies.

ii) Society for the Neurobiology of Language Conference: Travel Award.

2014: La Caixa Foundation: fellowship for Graduate Studies in North America ( ~\$75,000 per year, dependent on tuition fees).

2011: Basque Government: grant for undergraduate research projects (€3,300).

2010: University of Deusto: grant for undergraduate research projects (€3,000).

2008: Basque Government: Distinguished Academic scholarship (waiver of first year University matriculation fees).

## **Research positions**

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2013- 2015: Research assistant.

Institution: New York University Abu Dhabi (Neuroscience of Language Lab).

Supervisors: Alec Marantz and Liina Pylkkänen.

2012 – 2013: Research assistant.

Institution: Basque Center on Cognition, Brain and Language (BCBL).

2011 - 2012: Research assistant.

Institution: University of Deusto (Tesitek Linguistics Research Group).

Supervisor: Rosa Miren Pagola.

### **Additional positions**

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2010- 2011: Multimedia Manager Assistant.

Institution: Azkue Foundation.

2007-2010: Basque language instructor.

Institution: AEK Coordinator of Literacy and Basque Promotion.

### **Languages**

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Basque: Native speaker. Certificate of Proficiency in Basque (EGA).

Spanish: Native speaker.

English: Cambridge Certificate of Proficiency in English (CPE), 113 internet Based Test TOEFL.

German: Upper Intermediate (B2 European Framework of Reference).

Galician: Elementary (A2 European Framework of Reference).

French: Elementary (A1 European Framework of Reference).

### **Academic Service**

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Student Representative. Undergraduate linguistics student body (2008 –2012).

Student volunteer at Society for the Neurobiology of Language, Annual Conference (2012).

Student volunteer at Workshops on Biscayan Basque. Basque Academy of the Language (May 2008, 2009, 2010, 2011).

## **Other Academic Courses**

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Summer University: German language and literature. Westfälische Wilhelms-Universität. Münster, Germany (Summer 2011).

Summer University: German language and literature. Heinrich-Heine Universität. Düsseldorf, Germany (Summer 2010).

## **Computer Skills**

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Data analysis and statistics: R, SPSS, Microsoft Excel.

Electrophysiological/neuroimaging: Fieldtrip, BESA, Brainvision, FreeSurfer, MNE-python.

Experiment control: Presentation, DMDX, Mechanical Turk.

Acoustic: Praat.

Other: Check vocal, Extensible markup language XML, Library application for the management of web pages, HTML.