

Esti Blanco-Elorrieta

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Neuroscience of Language Lab

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Education

Ph. D.: Cognition and Perception (2015 –).

Institution: New York University.

Supervisor: Liina Pykkänen.

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.

Other Education

Summer Course: Genetics & Neurobiology of Language Course. Cold Spring Harbor Laboratories (2016).

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

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

Manuscripts and Publications

Blanco-Elorrieta, E., Kastner, I., Emmorey, K., & Pylkkänen, L. (in prep.). A shared neurobiology for building phrases in signed and spoken language.

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

Blanco-Elorrieta, E. & Pylkkänen, L. (2016). Bilingual language control in perception vs. action: MEG reveals comprehension control mechanisms in anterior cingulate cortex and domain-general production control in dorsolateral prefrontal cortex. *The Journal of Neuroscience* 36(2): 290 – 301.

Blanco-Elorrieta, E. & Pylkkänen, L. (2016). Composition of complex numbers: Delineating the computational role of the left anterior temporal lobe. *NeuroImage*, 124, 194-203.

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

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

Oral Presentations

Blanco-Elorrieta, E. & Pylkkänen, L. (2016). While language-switching in the lab localizes in anterior cingulate cortex, comprehending code-switches in the wild engages the auditory cortex: MEG evidence from Arabic-English bilinguals. Talk presented at the 2016 Amlap Conference in Bilbao, Spain.

Blanco-Elorrieta, E. (2016). Brain bases of bilingual language selection and switching: Evidence from production and comprehension. Invited talk at the Graduate Center of the City University of New York (CUNY), New York, USA.

Blanco-Elorrieta, E., Ferreira, V.S., Del Prato, P., & Pylkkänen, L. (2016). The priming of basic combinatory responses in MEG. Talk presented at the 29th Annual CUNY Conference on Human Sentence Processing, Florida, USA.

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

Blanco-Elorrieta, E. & Pylkkänen, L. (2015). Bilingual language control: domain general in production but not comprehension? Evidence from MEG. Presentation 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. Presentation at the NYUAD Annual Research Conference 2015, Abu Dhabi, U.A.E.

Poster Presentations

Blanco-Elorrieta, E., Ferreira, V.S., Del Prato, P., & Pylkkänen, L. (2016). The priming of basic combinatory responses in MEG. Poster presented at the Society for the Neurobiology of Language Annual Conference 2016, London, UK.

Blanco-Elorrieta, E. & Pylkkänen, L. (2016). While language-switching in the lab localizes in anterior cingulate cortex, comprehending code-switches in the wild begins in auditory cortex: MEG evidence from Arabic-English bilinguals. Poster presented at the Society for the Neurobiology of Language Annual Conference 2016, London, UK.

Blanco-Elorrieta, E., Ferreira, V.S., Del Prato, P., & Pylkkänen, L. (2016). The priming of basic combinatory responses in MEG. Poster presented at the Cognitive Neuroscience Society (CNS) annual meeting in New York City, USA.

Blanco-Elorrieta, E. & Pykkänen, L. (2016). Bilingual language control in perception vs. action: MEG reveals comprehension control mechanisms in anterior cingulate cortex and domain-general production control in dorsolateral prefrontal cortex. Poster presented at the 29th Annual CUNY Conference on Human Sentence Processing, Gainesville, USA.

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.

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. (2014). Brain bases of language selection: MEG evidence from Arabic-English bilingual language production. Society for the Neurobiology of Language Annual Conference, Amsterdam, The Netherlands.

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

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 Sebastian.

Grants and Awards

- 2016: Helmsley Fellowship for cross-disciplinary research.
- 2016: New York University, Dean's Student Travel Grant.
- 2015: Neurobiology of Language Conference: Travel Award.
- 2015: New York University: MacCracken Fellowship for Doctoral studies.
- 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

- 2013- 2015: Research assistant.
Institution: New York University Abu Dhabi (Neuroscience of Language Lab).
Supervisors: Alec Marantz and Liina Pyllkkänen.
- 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

- 2010- 2011: Multimedia Manager Assistant.
Institution: Azkue Foundation.
- 2007-2010: Basque language instructor.
Institution: AEK Coordinator of Literacy and Basque Promotion.

Languages

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

Ad hoc reviewer for *Brain and Language*; *Language, Cognition and Neuroscience*; *Journal of Cognitive Psychology*.

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).