

# Gonzalo García-Castro

10/1/2019

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PhD student in Biomedicine

Center for Brain and Cognition, Universitat Pompeu Fabra



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## Education

**October 2018 - Present | PhD, Biomedicine;** Pompeu Fabra University (Barcelona, Spain); Supervisor: Núria Sebastian-Galles.

**October 2017 - July 2018 | MSc, Neurosciences;** University of Barcelona (Barcelona, Spain). Dissertation: *Phonemic Contrast Perception: A Segmentation Study on Monolingual and Bilingual Infants*; Supervisors: Núria Sebastian-Galles and Chiara Santolin.

**September 2013 - July 2017 | BSc, Psychology;** University of Oviedo (Oviedo, Spain). Dissertation: *Effects of Environmental Enrichment on Attention, Spatial Reference Memory, and Cytochrome C Oxidase Activity*; Supervisors: Azucena Begega and Marcelino Cuesta.

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## Publications

### Articles

Sampedro-Piquero, P., Álvarez-Suárez, P., Moreno-Fernández, R., **García-Castro, G.**, Cuesta, M., Begega, A. (2018). Environmental enrichment results in both brain connectivity efficiency and selective improvement in different behavioral tasks. *Neuroscience*, 388, 374-383. <https://doi.org/10.1016/j.neuroscience.2018.07.036>

## Posters

Siow, S., **García-Castro, G.**, Sebastian-Galles, N., and Plunkett, K. (August, 2019). The impact of phonology (cognateness) on the bilingual lexicon: Parallel cross-language phonological priming. Poster presented at the Lancaster Conference on Infant and Early Child Development (Lancaster, United Kingdom).

**García-Castro, G.**, Marimon, M., Santolin, C., and Sebastian-Galles, N. (June, 2019). Encoding new word forms when contrastive phonemes are interchanged: A preliminary study on 8-month-old infants. Poster presented at the Workshop in Infant Language Development (Potsdam, Germany). <https://doi.org/10.17605/OSF.IO/GYKUH>

**García-Castro, G.**, Álvarez-Suárez, P., García-Abad, N., Cuesta, M., and Begega, A. (June, 2017). Pro-cognitive effects of environmental enrichment on attention and spatial memory: hippocampal metabolic activity in a Wistar rat model. Poster presented at the 4th International Congress on Health and Aging Research (Murcia, Spain).

García-Abad, N., Santirso, M., **García-Castro, G.**, and Álvarez-Suárez, P. (June, 2017). Efectos del omega-3 en las redes implicadas en la memoria de trabajo espacial en ratas Wistar. Poster presented at the 3rd National Congress of Psychology (Oviedo, Spain)

## Other contributions

### Scientific dissemination

Zacharaki, K., **García-Castro, G.** (2019, October). “Descubriendo la mente de los bebés” Talk presented at 13a Festa de la Ciència, Barcelona, Spain. [Link] [Video]

### Repositories

**García-Castro, G.**, Santolin, C., Marimon, M., and Sebastian-Galles, N. (2019, October 22th). Segmentation: Catalan and Spanish natural speech segmentation at 8 months of age. <https://doi.org/10.17605/OSF.IO/42GUP>

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## Others

### Animal research

**Research Staff Certificate for animal research**, issued on 15/05/2018 by the *Direcció General de Polítiques Ambientals i Medi Natural*.

### Programming skills

- **R**: RStudio, Tidyverse, RMarkdown, formr.
- **Matlab**: PsychToolbox-3

- **Git/GitHub**
  - **JASP**
  - **SPSS**
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## Languages

- Spanish (native speaker)
  - English: C1
  - French: C1
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## Short courses

**August 2018 | Data Science: Multiple imputation in practice**, Utrecht Summer School, Utrecht University. Introduction to Multiple Imputation as a powerful tool for dealing with missing data in experimental studies.

**August 2018 | Data Science: Statistical Programming with R**, Utrecht Summer School, Utrecht University.

**August 2016 | Introduction to Neuroscience: From Molecule to Behavior**, Radboud Summer School, Radboud University Nijmegen. Hands-on training at research labs of the Donders Institute for Brain and Cognition.

**August 2016 | How to Improve the Quality and Translatability of Preclinical Animal Studies**, Radboud Summer School, Radboud University Nijmegen. Course organized by SYRCLE institute, Radboud University Nijmegen and Radboud University Medical Centre. Theory and hands-on experience on Systematic Reviews and Meta-Analysis in preclinical animal studies. Overview of the main software available to conduct a Meta-Analysis and basic formation on academic reading and writing.