

Laura Díaz-Muñoz Manzanares

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About me

Hello! My name is Laura, I recently finished a Master's Degree in Cognitive Neuroscience of Language at BCBL (Spain). Currently, I am highly motivated to pursue a Ph.D. position in the field of infant development. In particular, I am especially interested in the developmental mechanisms and neurocognitive changes that foster the successful development of reading mechanisms and in transferring this knowledge to clinical and educational practice.

Education

M.S. in Cognitive Neuroscience of Language

2021 - 2022

Basque Center on Cognition, Brain and Language (BCBL)

San Sebastián, Spain

- Thesis: "Behavioral adaptation to the temporal organization of speech: Implications for phonological and reading abilities"
- Grade: 8.60/10
- Advisors: Dr Jose Pérez-Navarro and Dr Marie Lallier

Course: Complete neural signal processing and analysis

Currently

Udemy

Online

- Signal processing (MATLAB)
- Statistics (non-parametric)
- Spectral analysis application
- Time series data analysis

Course: The Complete Python Bootcamp

2022-2023

Udemy

Online

- Python Object and Data Structure
- Python Comparison Operators
- Python Statements
- Methods and Functions

M.A. in Spanish and English as a Second Language/Foreign Language

2018 - 2019

University of Alicante

Alicante, Spain

B.A. in Translation and Interpretation

2013 - 2018

University of Alicante

Alicante, Spain

Experience

Basque Center of Brain and Language (BCBL)

2022

Student Research Assistant

San Sebastián, Spain

- Group: Educational Neuroscience and Developmental Disorders
- Project: “Behavioral adaptation to the temporal organization of speech: Implications for phonological and reading abilities”

Basque Center of Brain and Language (BCBL)

2022

Organizer at the Workshop on Infant Language Development (WILD)

San Sebastián, Spain

Basque Center of Brain and Language (BCBL)

2022

Organizer at the International Conference on Interdisciplinary Advances in Statistical Learning

San Sebastián, Spain

Hogeschool Utrecht

2020

Professor of Spanish (Internship)

Utrecht, Netherlands

Research Experience

Basque Center of Brain and Language (BCBL)

2022

- Research project: “Behavioral adaptation to the temporal organization of speech: Implications for phonological and reading abilities”

San Sebastián, Spain

In the proposed project, we tested whether cortical tracking of speech can benefit from speech-specific temporal regularities to improve over time, a phenomenon called perceptual anchoring. Given that perceptual anchoring has been found to be impaired in dyslexic individuals, we also explored reading abilities and related them to individual differences in the abovementioned neurocognitive mechanisms of perceptual anchoring.

My core tasks in this project were:

- Collecting and preprocessing behavioral data and assisting in MEG data collection.
- Modelling the data into growth models to help answer our research's main questions.
- Writing the manuscript and presenting the findings to scientific audiences.

Language Skills

Spanish

Native

English

C1 Advanced (CAE)

Italian

B1

Dutch

Beginner

Referees

Marie Lallier

-Email: m.lallier@bcbl.eu

-Leader of the group: “Educational Neuroscience and Developmental Disorders” and my thesis’s supervisor

Jose Pérez-Navarro

-Email: josejpereznavarro@gmail.com

-Postdoc at BCBL and my thesis’s supervisor