

# VICTORIA CANO-SÁNCHEZ

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## ACADEMIC EMPLOYMENT

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**Post-doctoral fellow:** **Universitat de les Illes Balears, UIB** (2025 — present)  
BASLA Linguistics Research Group  
Spanish, Modern and Classical Philology Department.

## EDUCATION

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**Ph.D.:** **University of the Basque Country, Spain** (2020-2025)  
International Ph.D. in Linguistics.  
Supervisors: Dr. Mikel Santesteban and Prof. Itziar Laka.  
Dissertation: *Age-related differences in language processing: Eye-tracking sentence reading patterns in Spanish.* — (Cum Laude).

**M.Sc.:** **University of the Basque Country (UPV/EHU), Spain**  
Theoretical and Experimental Linguistics.  
Thesis: *On the interaction between syntax, semantics and working memory during sentence processing: an eye-tracking study.* — (Honors, 2019).

**B.A.:** **University of Málaga (UMA), Spain**  
Translation and Interpreting Studies. — (Honors, 2016).

## OTHER ACADEMIC DEGREES

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**M.A.:** **University of Córdoba (UCO), Spain**  
Specialization in: Legal Translation.  
Thesis: in progress. Expected completion: June 2026.

**M.A.:** **University of Alicante (UA), Spain**  
Teacher Training for Compulsory Secondary Education,  
Baccalaureate, Vocational Training and Language Instruction. — (Honors, 2017).

## PRE-DOCTORAL RESEARCH STAYS

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**Sept–Oct.2024:** Universitat Oberta de Catalunya: Health Sciences department (Spain).

**Oct.–Dec.2022:** Institut für Romanische Sprachen und Literaturen: Romance Lab, Goethe University (Germany).

**Sept–Oct.2022:** Potsdam Research Institute for Multilingualism, University of Potsdam (Germany).

## AWARDS AND SCHOLARSHIPS

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- 2026: Recipient of a Fulbright postdoctoral research grant.
- 2025: Recipient of the AJL Conference Travel Grant for the 39<sup>th</sup> AJL Conference (€150).
- 2025: Selected on a competitive basis for the participation in the 8<sup>th</sup> edition of the ILCB Summer School. *Institute of Language, Communication and the Brain*, Aix-Marseille University.
- 2023: Best talk in the Arts and Humanities area award at the International Multidisciplinary Symposium for Ph.D. Students (CIMED) at San Cristóbal de La Laguna, Tenerife (Spain) (€120).

2022: Academic Excellence Scholarship for Master Studies at the University of Córdoba (UCO), Spain: Awarded a 99% tuition waiver for outstanding master's performance. Regional Government of Andalusia, Spain (€889).

2019-2025: Ph.D. fellowship (FPI; PRE2019-0896691)-(€60,500), Ministry of Science, Innovation and Universities (Spain). Includes: additional independent funding for national/international research stays (€6,250).

2017-2018: Teaching assistant fellowship (Tours, France), Ministry of Science, Innovation and Universities (Spain).

2016-2017: Mobility Program *Single Call* fellowship (Asia-Oceania, Ibero-America and North America) from the University of Málaga. Destination: University of Calgary, Canada (granted;declined).

2014-2015: Erasmus + fellowship (Brussels, Belgium), European Union.

## MANUSCRIPTS AND PUBLICATIONS

3. **Cano-Sánchez, V.**, Laka, I., Foucart, A. & Santesteban, M. (*in prep.*). Word anticipation across the lifespan: evidence from natural reading.
2. Benaiges-Saura, K.\* **Cano-Sánchez, V.\*** & Santesteban, M. (*under review*). Mind the gap: eye-tracking lexical and morphosyntactic prediction in Basque-Spanish bilinguals. \*co-authorship; same degree of contribution. *Bilingualism: Language and Cognition*.
1. **Cano-Sánchez, V.**, Laka, I. & Santesteban, M. (*under review*). Lexical strength, syntactic strain: Predictive processing in healthy aging. *Journal of Language, Cognition and Neuroscience*.

## CONFERENCE PRESENTATIONS

18. **Cano-Sánchez, V.**, Laka, I., Foucart, A. & Santesteban, M. (2025). Eye-tracking the aging mind: predictive processing and cognitive decline. Talk at the *XXXIX Asociación de Jóvenes Lingüistas* (AJL), Vitoria-Gasteiz, (Basque Country), 1<sup>st</sup>-3<sup>rd</sup> October 2025.
17. **Cano-Sánchez, V.**, Laka, I., Foucart, A. & Santesteban, M. (2025). Real time word anticipation across the lifespan: age-related differences. Poster at the *17<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language* (SNL), Washington (EE.UU), 12<sup>th</sup>-14<sup>th</sup> September 2025.
16. Santesteban, M., Laka, I., Foucart, A. & **Cano-Sánchez, V.** (2025). Exploring predictive processing and cognitive decline in aging: an eye-tracking approach. Talk at the *XVII Symposium of Psycholinguistics* (ISP), Barcelone (Spain), 26<sup>th</sup> -28<sup>th</sup> May 2025.
15. **Cano-Sánchez, V.**, Laka, I., Foucart, A., & Santesteban, M. (2025). Eye-tracking predictive processing and cognitive decline. Poster at the *38<sup>th</sup> Annual Conference on Human Sentence Processing* (HSP), Maryland (EE.UU), 27<sup>th</sup>-29<sup>th</sup> March 2025.
14. **Cano-Sánchez, V.**, Laka, I., & Santesteban, M. (2025). Agreement attraction and cognitive load in the aging-brain: eye-tracking evidence from Spanish. Poster at the *38<sup>th</sup> Annual Conference on Human Sentence Processing* (HSP), Maryland (EE.UU), 27<sup>th</sup>-29<sup>th</sup> March 2025.
13. **Cano-Sánchez, V.**, Laka, I., & Santesteban, M. (2025). Age-related vulnerability and cognitive load on agreement errors: insights from an eye-tracking study in Spanish. Talk at the *LIII Simposium de la Sociedad Española de Lingüística* (SEL 2025), Salamanca, Castilla y León (Spain), 20<sup>th</sup>-23<sup>rd</sup> January 2025.

12. **Cano-Sánchez, V.**, Laka, I., Reifegerste, J. & Santesteban, M. (2024). Age-related differences in agreement processing: insights from an eye-tracking study. Talk at the *AMLaP-Asia* conference, Singapore (Asia), 5<sup>th</sup>-7<sup>th</sup> December 2024.
11. **Cano-Sánchez, V.**, Laka, I., y Santesteban, M. (2024). Age-related decline in agreement resolution: an eye-tracking study in Spanish. Talk at the *Sociedad Española de Psicología Experimental (SEPEX)*, Almería, Andalucía (Spain), 23<sup>rd</sup>-25<sup>th</sup> October 2024.
10. **Cano-Sánchez, V.**, Laka, I., Lago, S., Reifegerste, J. & Santesteban, M. (2024). Aging increases agreement errors: eye-tracking older and younger adults. Poster at the *Architectures and Mechanisms of Language Processing (AMLaP)*, Edinburgh (Scotland), 5<sup>th</sup>-7<sup>th</sup> September 2024.
9. **Cano-Sánchez, V.**, Laka, I. & Santesteban, M. (2024). Aging effects in prediction and agreement processing. Talk at the *Workshop on Language processing in Aging*, Vitoria-Gasteiz, Basque Country, 23<sup>rd</sup> May 2024.
8. **Cano-Sánchez, V.**, Laka, I., Lago, S., Reifegerste, J. & Santesteban, M. (2023). Eyetracking agreement and attraction effects in the aging brain: A Subject-verb agreement comprehension study in Spanish. Poster at the *XVI International Symposium of Psycholinguistics (ISP)*, Vitoria-Gasteiz, Basque Country, 31<sup>st</sup>-2<sup>nd</sup> June 2023.
7. **Cano-Sánchez, V.**, Laka, I. & Santesteban, M. (2023). Eye tracking agreement processing and attraction errors in aging: A Subject-Verb agreement study in Spanish. Talk at the *International Multidisciplinary Symposium for PhD Students (CIMED)*, San Cristóbal de La Laguna, Tenerife (Spain), 22<sup>nd</sup>-24<sup>th</sup> March 2023.
6. **Cano-Sánchez, V.**, Laka, I., Lago, S., Reifegerste, J. & Santesteban, M. (2022). Eye tracking subject-verb agreement attraction errors in the bilingual aging brain. Poster at the *Workshop on L2 Sentence and Discourse Processing*, Cologne (Germany) 18<sup>th</sup> November 2022.
5. **Cano-Sánchez, V.**, Laka, I. & Santesteban, M. (2021). Eyetracking prediction and ungrammaticality detection in the healthy aging brain. Talk at the *Architectures and Mechanisms of Language Processing (AMLaP)*, Paris (France), 2<sup>nd</sup>-4<sup>th</sup> September 2021.
4. **Cano-Sánchez, V.**, Laka, I. & Santesteban, M. (2021). Predictability in the healthy aging brain: an eye-tracking study of sentence comprehension in older adult Spanish speakers. Poster at the *XV International Symposium of Psycholinguistics (ISP)*, Madrid (Spain), 22<sup>nd</sup>-25<sup>th</sup> June 2021.
3. **Cano-Sánchez, V.**, Laka, I. & Santesteban, M. (2021) Prediction and ungrammaticality detection: Young vs. old adults. Talk at the *International Online Workshop on Language in Healthy and Pathological Aging (Agelang)*, online, 29<sup>th</sup>-30<sup>th</sup> April 2021.
2. **Cano-Sánchez, V.** & Santesteban, M. (2020). Eye tracking syntax, semantics and working memory during sentence processing. Poster at the *Cross-Language Interplay in a Bilingual Mind and Erasmus I-Brain event*, Moscow (Russia) 10<sup>th</sup>-12<sup>th</sup> December 2020.
1. **Cano-Sánchez, V.** & Santesteban, M (2019). On the interaction between syntax, semantics and working memory during sentence processing: An eye tracking study. Poster at the *6<sup>th</sup> Summer School on Bi- and Multilingualism*, Barcelone (Spain) 17<sup>th</sup>-20th, September 2019.

## NATIONAL AND INTERNATIONAL SEMINARS (INVITED TALKS)

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13. *Colloquium speaker.* The Brain Tracking Lab. Penn State University, EE.UU. (2026, January).
12. *Colloquium speaker.* Psycholinguistics of Mono- and Multilingualism Lab (PoMMLAb). University of Southern California (USC), EE.UU. (2025, November).
11. *Colloquium speaker.* Laboratory of Aging Bilingual (LAB). Psychiatry Department. University of California, San Diego (USCD), EE.UU. (2025, November).
10. *Colloquium speaker.* Bilingualism and Second Language Acquisition Lab (BASLA). University of the Balearic Islands (UIB), Spain. (2025, October).
9. *Colloquium speaker.* *Talks on Formal Linguistics: HiT SemLing.* Vitoria-Gasteiz, Basque Country. (2025, October).
8. *Colloquium speaker.* Iker UMR5478. "Centre de Recherche sur la langue et les textes basques". Bayonne, France. (2025, July).
7. *Colloquium speaker.* *NeuroADaS Lab seminar series, eHealth Center: Health Sciences department.* Universitat Oberta de Catalunya. Barcelone, Spain. (2024, October).
6. *Colloquium speaker.* *GRECIL Lab seminar series, eHealth Center: Health Sciences department.* Universitat Oberta de Catalunya. Barcelone, Spain. (2024, October).
5. *Colloquium speaker.* *Linguistics department: Permanent linguistics seminar series.* University of Málaga, Málaga, Spain. (2024, April).
4. *Invited speaker.* *Linguistics department: Senior Learning Center seminar series.* University of Málaga, Spain. (2024, April).
3. *Colloquium speaker.* *Gogo Elebiduna Research Group seminar series: Lifelong Learning Program for Seniors.* University of the Basque Country, Guipúzcoa, Spain. (2022, April).
2. *Colloquium speaker.* *Psycholinguistics colloquium.* Institut für Romanische Sprachen und Literaturen, Goethe University, Frankfurt, Germany. (2022, December).
1. *Colloquium speaker.* *Gogo Elebiduna Research Group seminar series (regular seminars).* Vitoria-Gasteiz, Basque Country. (September 2020-July 2025).

## TEACHING

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**2025-2026:** Spanish instructor, International Center for Spanish Studies (CIEE) from the UIB.  
**Spring 2023:** Psycholinguistics teaching adjunct lecturer, University of the Basque Country (UPV/EHU).  
**2017-2018:** Spanish teaching assistant, Ministry of Education, France.

## MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

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2025–present Member, Spanish Society of Linguistics (SEL).  
2024–present Member, Spanish Society of Young Linguistics (AJL).  
2024–present Member, Society for Neurobiology of Language (SNL).  
2024–present Member, Spanish Society of Experimental Psychology (SEPEX).  
2024–2025 Member, International Society to Advance Alzheimer's Research and Treatment (ISTAART).  
2021–2023 Member, Albert Costa Network on the effects of the foreign language related to acculturation (ACELERA).

## ADVISING AND MENTORING

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### **Undergraduate thesis**

2025-2026 Gemma Salmerón Pardillo (co-supervised with Prof. Pedro Guijarro-Fuentes; UIB collaboration grant in Linguistics).

## ACADEMIC SERVICE

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a) **Ad hoc journal reviewer:** Journal of Cognition (2023).

b) **Conference reviewer:** International Symposium of Psycholinguistics (2023); 1<sup>st</sup> Workshop on Language Processing in Aging (2024); Human Sentence Processing, HSP (2026).

c) **Conference organization:**

XVI International Symposium of Psycholinguistics (2023); Workshop on Language Processing in Aging (2024); Spanish Young Linguists Association (AJL, 2025); Assisted in the organization of NOCropDeP 2025 conference (UIB).

d) **Scientific committee:**

XVI International Symposium of Psycholinguistics (2023); 1<sup>st</sup> Workshop on Language Processing in Aging (2024).

e) **Academic evaluation and Quality Assurance:**

DELE (Official Spanish Language Exams of the Instituto Cervantes): supervisor (2025-2026); European evaluator for QA of Joint Programs: Spanish evaluator of the ANECA-VERIFICA & ANECA-MONITOR programs - Arts & Humanities committee (2025-2026); Spanish national evaluator of the ANECA-ACREDITA programs (2022).

## SCIENTIFIC OUTREACH

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2025: Article published at *Archiletras: Journal of Language*. Bi-monthly scientific magazine (available [here](#) in Spanish).

2025: Opinion article. *Alicante plaza*. “El idioma secreto del cerebro adulto: ¿anticipamos el lenguaje en la vejez? (Available [here](#) in Spanish).

2024: Participation in the 2024 edition of the *Bilingual Mind* and *She Mentoring* physical stands for *The Week of Science, Technology and Innovation* organized by the University of the Basque Country.

2024: “Unlocking the adult brain: a *look at that predictive machine*” outreach talk at *The Week of Science, Technology and Innovation* (zientzia club-monologue) organized by the University of the Basque Country (Spain) (available [here](#) in Spanish).

2024: Participation in the online edition of the *She Mentoring* campaign at *The European Researchers’ Night*.

2023: Participation in the 2023 edition of the *Bilingual Mind* and *She Mentoring* physical stands for *The Week of Science, Technology and Innovation* organized by the University of the Basque Country.

2023: Finalist at the *3 minutes thesis* competition at *The Science Week* of the Nebrija University, Madrid, (available [here](#) in Spanish. Minute: 46:27 onwards).

2023: “The aging brain: a *predictive machine* with “gains and losses” outreach talk at *The Week of Science, Technology and Innovation* organized by the University of the Basque Country, Basque Country (Spain).

2023: Talk at the III Doctoral Conference of the UPV/EHU-Sustainable Development Goals (SDGs)\_EHU Agenda-Planeta i3 Group.

2023: Cano-Sánchez, V. & Fuente-García, P. (2023). Can older adults anticipate words *better* than younger adults? (outreach article). *Mapping Ignorance*, Basque Country (Spain) (available [here](#) in English).

2023: Fuente-García, P. & Cano-Sánchez, V. (2023) Bilingualism and cognitive reserve: unlocking the benefits of multilingualism (outreach article). *Mapping Ignorance*, Basque Country (Spain) (available [here](#) in English).

2022: "Female scientists you could run into the street" outreach video for the *She Mentoring* campaign at *The Week of Science, Technology and Innovation* organized by the University of the Basque Country (available [here](#) in Spanish).

2021: "The stroop effect" outreach video for *The Week of Science, Technology and Innovation* organized by the University of the Basque Country (available [here](#) in Spanish).

## MEDIA COVERAGE

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2026: Article published at *Mujeres ConCiencia. Cátedra de Cultura científica* magazine from the UPV/EHU University (available [here](#) in Spanish).

2025: Article published at the local newspaper *Diario Información* (Alicante, Spain): "The *myth* of growing older" (available [here](#) in Spanish).

2025: Article published at the local newspaper *La Verdad* (Murcia, Spain): "The memory of Cristóbal, so-known as 'Caíllo', inspires his granddaughter's dissertation" (available [here](#) in Spanish).

2025: Interview at radio esRADIO Valencia: "Language processing" (available [here](#) in Spanish).

2025: Radio interview at RADIO EUSKADI "La mecánica del caracol: Lenguaje y envejecimiento" (available [here](#) in Spanish. Min: 24.16)

2025: Radio interview at ONDA CERO Bizkaia, "Más de uno" (available [here](#) in Spanish. Min: 11:54-18:08).

2024: Interview on *Senior Class* magazine. Coverage page of the outreach article: How does our brain age? Magazine Nº 5, Spring, 2024.

2023: Radio interview at ONDA CERO Vitoria, *La Brújula de Euskadi* (available [here](#) in Spanish. Min: 4 onwards).

## ADDITIONAL ACADEMIC TRAINING (SELECTION)

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2025: EEG workshop by Dr. Royle (Université de Montréal) and Dr. Steinhauer (McGill University), UIB.

2025: 8<sup>th</sup> edition of the ILCB Summer School. Aix- Marseille University.

2025: Workshop on Bayesian Statistics. *Iker UMR5478 Research Center*, Bayonne, France.

2025: Statistics for linguists: Mixed-effects Models. University of the Basque Country (UPV/EHU).

2024: Summer school "Methods in Language Science". Expert track: Categorical & Multivariate data analysis with R, University of Ghent.

2024: Symposium: How we learn our first language(s). *Iker UMR5478 Research Center*, Bayonne, France.

2023: Eye-tracking and Advanced eye-tracking summer school (STEM), University of Lisbon.

2022: Eye-tracking methods course, University of the Basque Country (UPV/EHU).

2020: Quantitative methods for behavioral research, University of the Basque Country (UPV/EHU).

2019: 6<sup>th</sup> Barcelona Summer School on Bilingualism and Multilingualism, Pompeu Fabra University.

## TECHNICAL SKILLS

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**Programming:** Excel, Word, Adobe (Illustrator, InDesign), R (R Markdown), E-Prime, Experiment Builder, Tobii studio.

**Data acquisition and analysis:** Praat, Checkvocal, Eye-tracking, behavioral methods, EEG (basic notions).

**Online experiments:** (PennController) IbexFarm, Gorilla; **Working knowledge:** Python, MATLAB, LaTeX.

## LANGUAGES

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**Catalan/Spanish:** Native speaker. **English/French:** C1 (CAE, Cambridge & DALF, Alliance Française). **Italian:** C1 (CELI 4, Università di Perugia). **German:** basic notions (A2). **Basque:** beginner-currently enrolled (AEK). **Teaching Qualification for Instruction in Catalan** (CCEV/Order 17/2013, DOCV 7006/18.04.2013).

## PARTICIPATION IN FINANCED RESEARCH PROJECTS

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**2022-2026** **Language attrition and final acquisition state, PID 2021-122127NB-100 (Researcher; 75.867€)**  
**Funding agency:** Ministry of Science, Innovation and Universities, Spain.  
**Principal investigator:** Prof. Pedro Guijarro-Fuentes.

**2022-2025** **Cross-linguistic influence in language learning, processing and aging (CROSSLANGUAGING), PID2021-124056NB-100 (Research group member; 51.424€)**  
**Funding Agency:** Ministry of Science, Innovation and Universities, Spain.  
**Principal investigators:** Dr.Mikel Santesteban & Dr.Kepa Erdozia.

**2022- 2025** **The Bilingual Mind IT1439-22 (Research group member; 173.000€)**  
**Funding Agency:** Department of Education, Universities and Science, Basque Government.  
**Principal investigator:** Prof. Itziar Laka Mugarza.

**2019-2021** **Cross-Ling: Cross-linguistic activation effects in bilingual language processing and learning, PGC2018-097970-B-I00 (FPI fellowship researcher; 60.500€)**  
**Funding Agency:** Ministry of Science, Innovation and Universities, Spain.  
**Principal Investigators:** Dr.Kepa Erdozia & Dr.Mikel Santesteban.

**2019-2021** **The Bilingual Mind IT1169-19 (Research group member; 202.300€).**  
**Funding Agency:** Department of Education, Universities and Science, Basque Government.  
**Principal investigator:** Prof. Itziar Laka Mugarza.