

Pablo Bernabeu

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RECENT WORK<https://pablobernabeu.github.io/#bio>

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| June 2025 – May 2027 | Researcher in <u>LiFT Project</u> Department of Education, University of Oxford |
| Nov 2022 – Feb 2025 | Postdoctoral Fellow in <u>LESS Project</u> Center for Language, Brain and Learning, UiT The Arctic University of Norway |
| Service | Co-organised multiple events. Peer-review: <i>Cognition</i> , <i>Cognitive Science</i> , EuroSLA. |
| Nov – Dec 2022 | Statistical Consultant (25%) for <u>CLICK Project</u> AcqVA Aurora Center, UiT The Arctic University of Norway |

EDUCATION<https://pablobernabeu.github.io/#bio>

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| 2018 – 2022 | PhD Psychology Lancaster University (United Kingdom) |
| Thesis | The linguistic and sensorimotor bases of semantic processing: Variation across individuals, words and tasks |
| Service | Peer-review: <i>Cognitive Science</i> , <i>Psychological Science Accelerator</i> . Development of website for open science group. |
| 2013 – 2017 | Research Master Language and Communication Tilburg University and Radboud University (the Netherlands) |
| Thesis project | Electroencephalography study conducted at Max Planck Inst. for Psycholinguistics |
| Average grade | 7.54 out of 10 (Distinction) |
| Service | Student member, Master's curriculum and accreditation committee |
| Extracurricular courses | Advanced R programming (Coursera / Johns Hopkins U.), Improving your statistical inferences (Coursera / Technical University Eindhoven), Linear mixed-effects models in R (Max Planck Institute for Psycholinguistics), Big data in society (Vrije Universiteit Amsterdam), Language sciences, Cognitive neuroscience, Transcranial brain stimulation (Radboud University) |
| 2007 – 2013 | BA English Autonomous University of Madrid (Spain) |
| Exchanges | University of Jyväskylä, Finland; University of Barcelona, Spain; internship teaching Spanish to adults at Centro Hispania, in Kaunas, Lithuania |

TEACHING etc.<https://pablobernabeu.github.io/#teaching-supervision>

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| Graduate teaching assistantship during PhD (180 hours per year) | Undergraduate courses: Statistics (lab), Developmental psychology (seminars and essay marking), Cognitive psychology (seminars and essay marking), Neuroscience (seminars), Social psychology (seminars). Postgraduate course: Statistics (labs) |
| Supervision | Since my PhD, I have advised several students and colleagues about conducting behavioural and EEG experiments, and about data management, preprocessing and analysis. Furthermore, during my postdoc, I have co-supervised a master's thesis. |
| Certificates | Carpentries Instructor in research software development (The Carpentries) |

PUBLICATIONS<https://pablobernabeu.github.io/#publications>

Chen, S.-C., Buchanan, E. M., Kekecs, Z., Miller, J. K., Szabelska, A., Aczel, B., **Bernabeu, P.**, Forscher, P. S., Szuts, A., Vally, D. Z., Al-Hoorie, A. H., Helmy, M., da Silva, C. S. A., da Silva, L. O., de Moraes, Y. L., Hsu, R. M. C. S., Mafra, A. L., Valentova, J. V., Varella, M. A. C., ... Chartier, C. R. (submitted). *Investigating object orientation effects across 18 languages*. OSF Preprints. <https://osf.io/preprints/osf/2qf6w>

- Phills, C., Miller, J. K., Buchanan, E. M., Williams, A., Meyers, C., Brown, E. R., ... & Kekecs, Z. (2025). Multi-region investigation of ‘man’ as default in attitudes. *PLoS One*, 20(6), e0323938. <https://doi.org/10.1371/journal.pone.0323938>
- González Alonso, J., **Bernabeu, P.**, Silva, G., DeLuca, V., Poch, C., Ivanova, I., & Rothman, J. (2025). Starting from the very beginning: Unraveling third language (L3) development with longitudinal data from artificial language learning and related epistemology. *International Journal of Multilingualism*, 22(1), 119–142. <https://doi.org/10.1080/14790718.2024.2415993>
- Bernabeu, P.** (2022). *Language and sensorimotor simulation in conceptual processing: Multilevel analysis and statistical power*. Lancaster University. <https://doi.org/10.17635/lancaster/thesis/1795>
- Bernabeu, P.**, Lynott, D., & Connell, L. (2021). *Preregistration: The interplay between linguistic and embodied systems in conceptual processing*. OSF. <https://osf.io/ftydw>
- Bernabeu, P.**, & Tillman, R. (2019). More refined typology and design in linguistic relativity: The case of motion event encoding. *Dutch Journal of Applied Linguistics*, 8(2), 163–171. <https://doi.org/10.1075/dujal.15019.ber>
- Bernabeu, P.** (2018). *Dutch modality exclusivity norms for 336 properties and 411 concepts*. PsyArXiv Preprints. <https://doi.org/10.31234/osf.io/s2c5h>
- Bernabeu, P.** (2017). *Modality switches occur early and extend late in conceptual processing: Evidence from ERPs*. PsyArXiv Preprints. <https://doi.org/10.31234/osf.io/5gjkv>
- Bernabeu, P.**, Willems, R. M., & Louwerse, M. M. (2017). Modality switch effects emerge early and increase throughout conceptual processing: Evidence from ERPs. In G. Gunzelmann, A. Howes, T. Tenbrink, & E. J. Davelaar (Eds.), *Proceedings of the 39th Annual Conference of the Cognitive Science Society* (pp. 1629–1634). Austin, TX: Cognitive Science Society. <https://doi.org/10.31234/osf.io/a5pcz>
- Bernabeu, P.**, & Vogt, P. (2015). Language evolution: Current status and future directions. *Tenth Language at the University of Essex (LangUE) Postgraduate Conference*. <https://researchgate.net/publication/280858062>

DATA & SOFTWARE

2017 – Present osf.io/25u3x | github.com/pablobernabeu | pablobernabeu.github.io

WORKSHOPS

<https://pablobernabeu.github.io/#workshops>

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| Aug 2020 | Open Data and Reproducibility: R Markdown, dashboards and Binder (co-led with Florencia D’Andrea). CarpentryCon@Home, The Carpentries |
| Jul 2020 | Open Data and Reproducibility: R Markdown, dashboards and Binder (co-led with Eirini Zormpa). UK Cognitive Linguistics Conference 2020, U. Birmingham |

PRESENTATIONS

<https://pablobernabeu.github.io/#presentations>

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| Tasks & talks (Nov 2024) | Contributions to EEG and cognition stations at the public outreach event of C-LaBL. |
| Posters and speed talk (Oct, Nov 2023; June, July, Aug, Sept, Oct, Nov 2024; Mar, Apr 2025) | Investigating language learning and morphosyntactic transfer longitudinally using artificial languages. (1) AcqVA Aurora, UiT; (2) PoLaR Lab, UiT; (3) SALC9, NTNU; (4) HILS, Radboud U.; (5) IAM L3, U. Groningen; (6) AMLaP, U. Edinburgh; (7) SEPEX, Almería; (8) Psychonomic Society, New York; (9) MULTILINGUA Network, U. Pompeu Fabra; (10) Experimental Psychology Society, Lancaster U. |
| Posters (May 2021; Sept, Oct 2022; July 2024) | Language and sensorimotor simulation in conceptual processing: Multilevel analysis and statistical power. Presented at: (1) Dept. of Psychology, Lancaster University; (2) ESCOP 2022, France; (3) AcqVA Aurora, UiT; (4) HILS 2024, Radboud U. |
| Posters (Mar, July, Sept 2024) | Making research materials Findable, Accessible, Interoperable and Reusable. (1) AcqVA Aurora, UiT; (2) HILS 2024, Radboud U.; (3) AMLaP, U. Edinburgh |
| Poster (Mar 2024) | Is third language learning associated with working memory and implicit learning? AcqVA Aurora Closing Event, UiT The Arctic University of Norway |
| Poster (Mar 2024) | Effects of cognitive individual differences on cross-linguistic effects in L3 acquisition. AcqVA Aurora Closing Event, UiT The Arctic University of Norway |
| Talk (May 2021) | Towards reproducibility and maximally-open data. Open Scholarship Prize Competition 2021, Open Scholarship Community Galway |

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| Talk (Nov 2020) | Mixed-effects models in R, and a new tool for data simulation. New Tricks Seminar, Department of Psychology, Lancaster University |
| Talk (Oct 2020) | Reproducibilidad en torno a una aplicación web. Reprohack at LatinR Conference |
| Talk (Mar 2020) | Embedding open research and reproducibility in the UG and PGT curricula (with Andrew Stewart and Phil McAleer). SSI Collaborations Workshop |
| Talk (Dec 2018) | Presenting data interactively online using R Shiny. Lancaster University |
| Talk (Nov 2018) | Linguistic and embodied systems in conceptual processing: Role of individual differences. Psychology postgraduate medley, Lancaster University |
| Posters (Jan 2017 x2; Apr, July, Nov 2017) | Modality switch effects emerge early and increase throughout conceptual processing: Evidence from ERPs. Presented at: (1) Event representations in episodic and semantic memory, U. York; (2) Netherlands Graduate School of Linguistics, Radboud U.; (3) Juniorendag, Utrecht U.; (4) 39 th Annual Conference of the Cognitive Science Society, London; (5) 58 th Annual Meeting of the Psychonomic Society, Vancouver |
| Talk (June 2016) | Complementary systems for conceptual processing? Modality norms, ERPs and RTs. Synapsium, Radboud University |
| Poster (May 2016) | Norming study of modality exclusivity in Dutch, and an ongoing EEG study of linguistic and embodied conceptual processing. Psycholinguistics in Flanders |
| Talk (June 2015) | New reviews and insights on language evolution. Tenth Language at the University of Essex (LangUE) Conference, University of Essex |
| Posters (Jan, Mar 2015) | Linguistic relativity in motion. (1) Netherlands Graduate School of Linguistics (U. Amsterdam); (2) Juniorendag (Radboud U.) |

FUNDING

<https://pablobernabeu.github.io/#funding>

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| 2021 | Open Scholarship Prize joint runner-up. Open Scholarship Community Galway |
| 2020 | RepliCATS Grant for research assessments. University of Melbourne |
| 2020 | Gorilla Grant to conduct large, online experiment. Gorilla and Prolific |
| 2020 | Software Sustainability Institute Fellowship |
| Apr 2019 | Travel grant, UK Open Science Working Group. Aston University |
| 2018 – 2022 | Scholarship for PhD and graduate teaching assistantship. Lancaster University |
| Nov 2017 | Psychonomic Society Graduate Travel Award for 58th Annual Meeting |
| July 2017 | Student volunteer, 39th Annual Conference of the Cognitive Science Society |
| July 2017 | Grindley Grant to attend CogSci conference. Experimental Psychology Society |
| Jan 2017 | Grindley Grant to attend conference at U York. Experimental Psychology Society |
| May – June 2016 | Research funding, Neurobiology of Language Dept., MPI Psycholinguistics |
| 2014 – 2015 | Academic Excellence Scholarship. Tilburg University |

OTHER WORK

<https://pablobernabeu.github.io/#other-work>

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| May – July 2018 | Service Analyst. Onfido, London, UK |
| Dec 2015 – Feb 2016 | Data Science Market Researcher and Student Recruiter (part-time). Tilburg U. |
| 2013 – 2016 | Student Representative at Recruitment Events (part-time). Radboud U., Tilburg U. |

SKILLS

<https://pablobernabeu.github.io/#skills>

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| Science | Electroencephalography (lab setup, recording, preprocessing, analysis), BrainVision (osf.io/97unm), transcranial brain stimulation, eye tracking, open science, online experiments, jsPsych, OpenSesame, Gorilla (github.com/pablobernabeu), ELAN. Proficient in applying best practices for research integrity, data protection and data management, alongside effective collaboration and project management. |
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| Statistics | Frequentist and Bayesian statistics. Linear mixed-effects models (osf.io/gt5uf), principal component analysis (osf.io/25u3x), etc. |
| Programming in R | Statistics, modular programming, R Markdown, web applications and dashboards, Rhino, Crosstalk, Plotly, Leaflet, bibliometrics, Binder (github.com/pablobernabeu), big data, natural language processing (osf.io/5kba3), Tidyverse (osf.io/3dw2j) |
| Web, data, typesetting and AI | HTML, CSS, Javascript, regular expressions, Git, Linux, bash, containerisation, high-performance computing, LaTeX, Zotero (github.com/pablobernabeu). Basic Google Analytics, Python, C, SQL, MediaPipe, and AI-assisted programming |
| Business and admin. | Project management, technical documentation, service analysis. Power BI, Zendesk, Jira, Confluence, Asana |
| Languages | <i>High:</i> English, Spanish. <i>Medium:</i> Catalan, French. <i>Basic:</i> Dutch, Italian, Norwegian |