

**Pablo Bernabeu**

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

Nov 2022 – Nov 2024

**Postdoctoral fellow** in the LESS Project

UiT The Arctic University of Norway

Service

Peer-review: Cognition, Cognitive Science. Co-organisation of weekly seminars.

Nov 2022 – Jan 2023

**Statistical consultant** (part-time) in the CLICK Project

UiT The Arctic University of Norway

**EDUCATION**<https://pablobernabeu.github.io/#bio>**2018 – 2022****PhD Psychology** with graduate teaching scholarship

Lancaster University (United Kingdom)

Thesis

The linguistic and sensorimotor bases of semantic processing: Variation across individuals, words and tasks

Service

Peer-review: Cognitive Science, Psychological Science Accelerator. Development of website for open science group.

**2013 – 2017****Research Master Language and Communication**

Tilburg University and Radboud University (Netherlands)

Scholarship and grade

Academic Excellence Scholarship, 2014/2015. 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 Philology**

Autonomous University of Madrid (Spain)

Average grade

7.30 out of 10 (2:1 Hons)

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>

Graduate teaching assistantship during PhD

Statistics (labs), Developmental psychology (seminars and essay marking), Neuroscience (seminars), Cognitive psychology (seminars and essay marking), Social psychology (seminars). MSc courses: Statistics (labs)

Supervision

Since my PhD, I have advised several students and colleagues about conducting behavioural and EEG experiments, and about data processing and statistics. Furthermore, during my postdoc, I have co-supervised a master's thesis.

Certificates

Carpentries Instructor (The Carpentries)

**PUBLICATIONS**<https://pablobernabeu.github.io/#publications>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>
- Chen, S., Buchanan, E. M., Kekecs, Z., Miller, J. K., Szabelska, A., Aczel, B., ... Schmidt, K. (2018). *Investigating object orientation effects across 18 languages*. OSF Preprints. <https://osf.io/preprints/osf/2qf6w>
- 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>

## WEB APPS

<https://pablobernabeu.github.io/#applications-and-dashboards>

2017 – 2021 Web applications for research, teaching and accessibility (available via link above)

## WORKSHOPS

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

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 Conf. 2020, U. Birmingham

## PRESENTATIONS

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

Poster (Mar 2024) Making research materials Findable, Accessible, Interoperable and Reusable. AcqVA Aurora Closing Event, UiT The Arctic University of Norway

Poster (Mar 2024) Is third language learning associated with working memory and implicit learning? [second author] 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. [second author] AcqVA Aurora Closing Event, UiT The Arctic University of Norway

Talk (Oct, Nov 2023) Implementation of a longitudinal, artificial language study to investigate morphosyntactic transfer. Presented at: (1) AcqVA Aurora Centre, UiT The Arctic University of Norway; (2) PoLaR Lab, UiT The Arctic University of Norway

Talk (May 2021, Sept, Oct 2022) Language and sensorimotor simulation in conceptual processing: Multilevel analysis and statistical power. Presented at: (1) Department of Psychology, Lancaster University; (2) 22<sup>nd</sup> Meeting of the European Society for Cognitive Psychology, France; (3) AcqVA Aurora Centre, UiT The Arctic University of Norway

Talk (May 2021) Towards reproducibility and maximally-open data. Open Scholarship Prize Competition 2021, Open Scholarship Community Galway

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 (Apr 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

Poster (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 <sup>th</sup> Annual Conference of the Cognitive Science Society, London; (5) 58 <sup>th</sup> Annual Meeting of the Psychonomic Society, Vancouver
Talk (June 2016)	Conceptual processing at different speeds: Probing linguistic and embodied systems. 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
Talk (Feb, May 2015)	Shallow and deep conceptual representation: An ERP design. Theme Meets., Radboud U.; Neurobiology of Language Lab meeting, MPI Psycholinguistics
Poster (Jan, Mar 2015)	Linguistic relativity in motion. Netherlands Graduate School of Linguistics (U. Amsterdam), Juniorendag (Radboud U.)

## OTHER FUNDING

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

2021	Open Scholarship Prize joint runner-up (used in PhD). OSC Galway, IRL
2020	RepliCATS Grant for research assessments (used in PhD). U Melbourne, AUS
2020	Gorilla Grant to conduct large, online experiment. Gorilla and Prolific, UK
2020	Software Sustainability Institute Fellowship, UK
Apr 2019	Travel grant, UK Open Science Working Group. Aston University, UK
Nov 2017	Psychonomic Society Graduate Travel Award for 58th Annual Meeting, USA
July 2017	Student volunteer, 39th Annual Conf. of the Cognitive Science Society, UK
July 2017	Grindley Grant to attend CogSci conf. Experimental Psychology Society, UK
Jan 2017	Grindley Grant to attend U York conf. Experimental Psychology Society, UK
May – June 2016	Research funding, Neurobiology of Language Dept., MPI Psycholinguistics, NL

## OTHER WORK

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

May – July 2018	Service analyst. Onfido, London, UK
Dec 2015 – Feb 2016	Data Science market research and student recruitment (part-time). Tilburg U.
2013 – 2016	Student representative at recruitment events (part-time). Radboud U., Tilburg U.

## SKILLS

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

Science	Electroencephalography, BrainVision ( <a href="https://osf.io/97unm">https://osf.io/97unm</a> ), transcranial brain stimulation, eye tracking, open science, online experiments, jsPsych, OpenSesame, Gorilla ( <a href="https://github.com/pablobernabeu">https://github.com/pablobernabeu</a> )
Statistics	Frequentist and Bayesian statistics. Linear mixed-effects models ( <a href="https://osf.io/gt5uf">https://osf.io/gt5uf</a> ), principal component analysis ( <a href="https://osf.io/25u3x">https://osf.io/25u3x</a> ), etc.
Programming in R	Statistics, R Markdown, web applications, bibliometrics, Binder environments ( <a href="https://github.com/pablobernabeu">https://github.com/pablobernabeu</a> ), analysis of Big Data, natural language processing ( <a href="https://osf.io/5kba3">https://osf.io/5kba3</a> ), Tidyverse ( <a href="https://osf.io/3dw2j">https://osf.io/3dw2j</a> )
Data, web and typesetting	Basic Python, Git, Unix, high-performance computing, HTML, CSS, Javascript, LaTeX, Zotero ( <a href="https://github.com/pablobernabeu">https://github.com/pablobernabeu</a> )
Business and admin.	Documentation, service analysis. Power BI, Zendesk, Jira, Confluence, Asana
Languages	English: C1. Spanish: C2. Catalan: B1. French: B1. Dutch: A2. Italian: A2. Norwegian: A1