

CURRICULUM VITAE ABREVIADO (CVA)

Part A. PERSONAL INFORMATION

First name	PILAR		
Family name	PRIETO		
Gender (*)	F	Birth data	01/08/1965
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A.1. Current position

Position	ICREA Research Professor*		
Initial date	01/09/2009		
Institution	ICREA-Universitat Pompeu Fabra		
Department/Center	Department of Translation and Language Sciences		
Country	Spain	Tel.	+34 932254899
Key words	Prosody, Gesture, Pragmatics, Multimodality		

*The Catalan Institution for Research and Advanced Studies (<http://www.icrea.es>), is a public foundation jointly supported by the Catalan Government and the Catalan Foundation for Research and Innovation (FCRI) which was established in 2001 to recruit high quality international researchers and embed them within the Catalan research system. ICREA is a highly sought-after and competitive program, attracting hundreds of applicants annually and selecting 10-15 new ICREA-funded researchers each year.

A.2. Previous positions (research activity interruptions, art. 14.2.b))

Period	Position/Institution/Country/Interruption cause
2002-2009	ICREA Research Professor, Universitat Autònoma de Barcelona
1996-2001	Lecturer, Universitat Autònoma de Barcelona
1995-1996	Assistant Professor, Dept. Romance Ling, SUNY-Stony Brook, USA
1994-1995	Postdoc in Linguistics. Bell Laboratories, Murray Hill, NY, USA

A.3. Education

Title	University	Year
PhD, Romance Linguistics	University of Illinois at Urbana-Champaign, USA	1994
MA, Romance Linguistics	University of Illinois at Urbana Champaign, USA	1989
BA, Catalan Philology	Universitat Autònoma de Barcelona (UAB)	1988

Part B. CV SUMMARY (max. 5000 characters, including spaces)

I am a linguist with a comprehensive interdisciplinary background, holding both an MA and a PhD in Linguistics from the University of Illinois at Urbana-Champaign (USA), complemented by a postdoctoral fellowship in Language Technology at Bell Laboratories, Murray Hill, New Jersey, USA. With a robust track record in cross-disciplinary research, **my expertise centers on spoken and visual prosody**, which constitutes my principal area of inquiry. Over the past decades, I have devoted my efforts to examining the multimodal aspects of prosody, including its influence on multimodal communication, as well as its impact on language acquisition and language learning. I am exceptionally well prepared to undertake this project, which seeks to enrich current language acquisition models with a novel reconceptualization of prosody as a modality-neutral component of language. I have led a total of 35 grant-funded research

projects, and have authored, co-authored or co-edited 13 books and more than 100 presentations in international and national conferences/workshops, 75 as an invited speaker. In the past five years, I have published 44 papers in JCR-indexed journals (24 in Q1) and 5 book chapters. Currently I am an Associate Editor of the journals *Language and Speech*, *Frontiers in Communication and Theoretical Linguistics*.

My research focuses on **three complementary strands** related to the study of multimodal language (that is, the language that is expressed through the speech and the body). A first strand focuses on the description of how the prosodic and the gestural components of language interact with each other and with other language components (pragmatics, syntax). A second strand of her work takes a developmental perspective and focuses on how babies acquire sounds, prosody, and gesture together with grammar, and how these components integrate and develop. The third strand of her research is applied in nature, as it investigates the cognitive and developmental benefits of multimodal-based interventions for boosting language in impaired and non-impaired populations. The social significance of the applied part of this research topic is high, as evidence-based embodied intervention programs are currently being proven to be very valuable to improve language abilities in populations with neurodevelopmental disorders characterized by impaired language and social interaction.

I would like to highlight **three contributions** to the academic and professional domains made over the course of my career:

First, as a researcher, I have contributed **theoretical and applied knowledge to the field of linguistics**. A comprehensive examination of the multimodal aspects of language (prosody and gesture), as well as the interaction between these two components, has facilitated the adoption of a more holistic view of language. Significantly, an integration between linguistics and more applied domains such as language development and language education has enabled the bridging of the gap between theoretical knowledge and applied research involving real-world educational and clinical practices.

Second, I am strongly committed to **knowledge transfer** and to bridging the gap between scientific findings and real-life education and clinical practice. Consequently, over the past decade, our research group has actively explored the impact of embodied-based educational and clinical interventions that involve embodiment and has collaborated with numerous professionals in the co-creation and testing of these interventions. Operating within the framework of implementation science, we have prioritized a collaborative and evidence-based approach to language education. Currently, for example, we are collaborating with the Dept. d'Educació i Formació Professional (Generalitat de Catalunya) within the *La Caixa Social Research Call 2024* award to co-create and validate a 3-month multimodal-based narrative language program for migrant children.

Third, one of my priorities as a researcher has been an active commitment to the **training and mentoring of graduate students** and the **promotion of collaborative research** across approaches and disciplines. Over the past two decades, I coordinated and actively participated in the MA Program in Theoretical and Applied Linguistics (which received the distinction International Master's Program by the AGAUR, Generalitat de Catalunya) and in the PhD Program in Translation and Language Sciences. In the past 20 years I successfully supervised 24 PhD theses and I am currently supervising 8 PhD theses. I have dedicated significant effort to fostering collaborative research across international laboratories and preparing PhD students to enhance their prospects for global research positions.

Part C. RELEVANT MERITS (sorted by typology)

C.1. Publications (past 5 years)

- N of publications in Q1 in the past 5 years (Web of Science): **24**
- N of publications in Q2 in the past 5 years (Web of Science): **20**
- H-index from Researcher ID (Web of Science) **22**
- N of total citations from Researcher ID (Web of Science): **1467**
- Average Citations per Year from Researcher ID: **56.4**

Articles - 10 most relevant articles in the last 5 years

In what follows I will enumerate **ten achievements** in reverse chronological order that are pertinent to the current proposal, emphasizing the principal scientific contributions that form the foundation of the cross-disciplinary initiatives and international collaborations I have engaged in. The members of the MULTIPROS-DEAL research team appear **in bold**.

1.- Together with my long-standing collaborators, S. Shattuck-Hufnagel of MIT and N. Esteve-Gibert of UOC, I have been leading the **formulation of the Modality-Neutral Prosodic Framework Hypothesis**.

Prieto, P., Esteve-Gibert, N., & Shattuck-Hufnagel, S. (2024). Towards a novel conceptualization of prosody that accounts for spoken and visual signals: the modality-neutral prosodic framework hypothesis. *Gesture*, 23 (1-2), 119-159.

2.- In the past 10 years, our research group has led a cross-lab collaboration in the development of the M3D (MultiModal, MultiDimensional) **manual gesture annotation system**. The system involves three primary dimensions: gesture form (including kinematics), **gesture prosodic properties (including prominence and phrasal grouping)**. See the M3D gesture annotation training: <https://m3d.upf.edu/>.

Rohrer, P. L., **Vilà-Giménez, I.**, **Florit-Pons, J.**, Gurrado, G., Esteve-Gibert, N., Ren-Mitchell, A., Shattuck-Hufnagel, S. & **Prieto, P.** (2025). Multidimensional labeling of gesture in communication: the M3D proposal, *Corpus Pragmatics* 9, 411–433.

3-4.- Over the past decade, I have collaborated with the renowned pragmatician L. Brown (Monash U) on several handbook chapters revising the literature dealing with the **pragmatic functions of spoken and visual prosody**.

Brown, L., & **Prieto, P.** (2021). Gesture and prosody in multimodal communication. In M. Haugh, D. Z. Kádár & M. Terkourafi (Eds.), *The Cambridge Handbook of Sociopragmatics* (pp. 430-453). Cambridge University Press.

Brown, L., & **Prieto, P.** (submitted, 2025). "Prosody and gesture as markers of linguistic politeness". In: P. Madella, & M. Edward (Eds.), *Bloomsbury Academic Handbook of Pragmatics, Prosody, and Gesture Studies*.

5-6- An important line of research in my lab has been the **relevance of non-referential gestures from an acquisition perspective**. The research exemplified by these two articles has revealed that non-referential gestures not only enhance information recall and comprehension but also act as predictors for narrative performance.

Vilà-Giménez, I., Dowling, N., Demir-Lira, Ö.E., **Prieto, P.**, Goldin-Meadow, S. (2021). The Predictive Value of Non-Referential Beat Gestures: Early Use in Parent-Child Interactions Predicts Narrative Abilities at 5 Years of Age. *Child Development* 92(6), 2335-2355.

Vilà-Giménez, I., & **Prieto, P.** (2021). The Value of Non-Referential Gestures: A Systematic Review of Their Cognitive and Linguistic Effects in Children's Language Development. *Children*, 8(2):148.

7.- The following study extend previous findings on the benefits of tactile input for speech perception and suggests the efficacy of **multisensory training paradigms** for improving second language pronunciation:

Ozakin, A. S., Xi, X., Li, P., & **Prieto, P.** (2023). Thanks or tanks: Training with tactile cues improves learners' accuracy of English interdental consonants in an oral reading task. *Language Learning and Development*, 19(4), 404–419.

8-10.- The following three studies exemplify our laboratory's research on evaluating **embodied interventions** in real-world contexts through an implementation science framework. It demonstrates the efficacy of embodied music training in enhancing second language pronunciation.

Florit-Pons, J., Igalada, A., & Prieto, P. (2025). Evaluating the feasibility and preliminary effectiveness of a multi-tiered multimodal narrative intervention program for preschool children. *Language, Speech, and Hearing Services in Schools*, 56(1), 17–41.

Baills, F., & Prieto, P. (2023). Embodying rhythmic properties of a foreign language through hand-clapping helps children to better pronounce words. *Language Teaching Research*, 27(6), 1576-1606.

Zhang, Y., **Baills, F., Prieto, P.** (2024). Embodied music training can help improve speech imitation and pronunciation skills. *Language Teaching*. Published online 2024: 1–23.

C.2. Congresses, indicating the modality of their participation (invited conference, oral presentation, poster): Throughout my career, I have given more than 80 invited presentations at international conferences and workshops in the last 20 years. A selection of keynote speeches include: *Phonetics and Phonology in Europe* (upcoming in University of Lisbon, 2027), *MeloMind Conference* (Polland, 2025), *VII Jornadas Internacionales de Fonética y Fonología* (Universidad Nacional del Comahue, 2022), *10th International Symposium on the Acquisition of Second Language Speech* (Universitat de Barcelona, NEW SOUNDS 2022), *6th Gesture and Speech and Interaction Conference*, GeSplN 2019, Paderborn University), *Experimental and Theoretical Advances in Prosody* (ETAP 4), University of Massachusetts, Amherst, 2018), *Accents 2017* (Łódź, Polland), *Linguistic Symposium of Romance Languages*, LSRL 47 (University of Delaware, 2017), *21st Conference of the Student Organization of Linguistics in Europe* (ConSOLE XXI, University of Potsdam, 2013), *Fifth European Conference on Tone and Intonation* (University of Oxford, 2012), *V Congreso Internacional de Fonética Experimental* (Universidad de Cáceres, 2011), *Hispanic Linguistics Symposium and the Conference on the Acquisition of Spanish and Portuguese as first and second language* (San Juan de Puerto Rico).

C.3. Research projects, indicating your personal contribution.

During the past five years, I have served as a Principal Investigator (PI) or Co-Principal Investigator (co-PI) on the following funded research projects:

- December 1st, 2024 - December 1st, 2026. Principal Investigator of the PREVENT-NI: Preventing school failure of migrant students via a whole-school narrative intervention. **Social Research Call 2024**, Ref: LCF/PR/SR24/57010029.
- March 1st, 2023 - March 1st, 2025. Principal Investigator of the Grup de Recerca Consolidat (GRC) Grup d'Estudis de Prosòdia i Gestualitat (GrEPG), **Pla de Recerca de Catalunya** (2021 SGR 00922), Generalitat de Catalunya.
- September 1st, 2022 – September 1st, 2025. Principal Investigator of the PLAN NACIONAL project “Multimodal Communication (MCOM): The integration of prosody and gesture in human communication and in language learning”, awarded by the Spanish Ministry of Science and Innovation (**Proyectos de generación de conocimiento 2021**; ref.: PID2021-123823NB-I00).
- September 1st, 2022 – August 31st, 2025. Co-principal Investigator of the DFG project “MultiS: Co-speech gestures and prosody as multimodal markers of information structure”, awarded by the German Research Foundation (DFG Priority Programme 2329) as part of the **priority project Visual Communication. Theoretical, Empirical, and Applied Perspectives (ViCom)**. Co-PI: Dr. Frank Kügler, Goethe University, Frankfurt
- September 1st, 2022 – July 1st, 2023. Principal Investigator of the **LLAVOR project** “StoryTIC: Una eina digital per potenciar la narrativa oral infantil”, awarded by the Agència de Gestió d'Ajuts Universitaris i de Recerca AGAUR – Generalitat de Catalunya; ref.: 2021 LLAV 00022).
- July 1st, 2019 - July 1st, 2023. Investigator of the **European Network** “GEHM: GEstures and Head Movements in language”, awarded by **Independent Research Fund Denmark (IRFD)**. Principal Investigator: Patrizia Paggio, University of Copenhagen.

For a full list of Publications and Research projects, see my long CV at:

<https://www.icrea.cat/community/icreas/17416/pilar-prieto-vives/>