

Curriculum Vitae

Arianna Compostella

November 2025

PERSONAL DATA

Name and Surname: ARIANNA COMPOSTELLA

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CURRENT POSITION

July 2024 ~ present

Postdoctoral Researcher at the Department of Psychology, University of Milano-Bicocca

Title of the Research Project: *A technology-driven linguistic intervention for children with language and literacy weaknesses*

EDUCATION

Ph.D. 2020 ~ 2024

Ph.D. in Linguistics - University of Verona

Title of the dissertation: *Language and Perception: Investigating Linear and Hierarchical Implicit Statistical Learning Across the Visual, Auditory, and Tactile Sensory Domains*

M.A. 2016 ~ 2019

M.A. Degree in Linguistics (110/110 cum laude), University of Verona

Title of the thesis: *Artificial Grammar Learning with a Modified Simon Task: Disentangling Sequence from Hierarchical Structure Learning*

INTERNATIONAL

April 2022 ~ June 2022

Visiting Scholar at Centre for *Language Evolution*, University of Edinburgh.

October 2017 ~ July 2018

Erasmus scholarship, Universität zu Köln, Cologne (Germany)

MEMBERSHIPS AND AFFILIATIONS

July 2024 ~ Present

BILGroup (Bicocca Language Group), University of Milano-Bicocca

October 2020 ~ December 2023

LaTeC (Language, Text, and Cognition), University of Verona

LANGUAGE SKILLS

Italian: native speaker

English: C1

German: B2

IT SKILLS

Programming Languages: Python, R, JavaScript

Text editing software: LaTeX

Other: Audacity, DMDX

AWARDS AND HONOURS

March 2021

Fulbright Program Semifinalist, U.S.–Italy Fulbright Commission

Selected as a semifinalist for the prestigious Fulbright Visiting Student Researcher Grant to conduct research in the United States.

EDITORIAL AND REVIEWING ACTIVITIES

Reviewer for *PLoS ONE* (2024-2025).

CONFERENCE CONTRIBUTIONS (PEER REVIEWED)

Compostella, A., Valcamonica, G., Gianotti, M., Secco, M., Silleresi, S., Arosio, F., Garzotto, F., & Guasti, M. T. (2025). Supporting children with linguistic vulnerabilities through advanced, theory-driven technological solutions: The TELMI approach for Italian children with DLD and children with Italian as L2. Oral presentation given at the *14th Annual AIUCD Conference*, Verona, Italy, 11-13 June 2025.

Compostella, A., Vender, M., Delfitto, D. (2024). Sequential Statistical Learning: Investigating Domain-Specific and Domain-General Aspects of Implicit Learning Across Visual, Auditory, and Tactile Modalities. Poster presentation at *Interdisciplinary Advances in Statistical Learning*, San Sebastian, Spain, 5-7 June 2024.

Tagliani, M., **Compostella, A.**, Vender, M., Delfitto, D. (2023). On the interaction between implicit statistical learning and the alternation advantage: Evidence from manual and oculomotor serial reaction time task. Poster presentation at *AMLaP23*, San Sebastian, Spain, 31 August – 2 September 2023.

Compostella, A., Vender, M., Delfitto, D. (2022). Hierarchy as Linear Ordering in a Multidisciplinary Space. Oral presentation given at the conference *TEX2022: Bringing together Predictive Processes and Statistical Learning*, SISSA, International School for Advanced Studies, Trieste, 19-22 July 2022.

Compostella, A., Vender, M., Delfitto, D. (2022). Artificial Grammar Learning with the Fibonacci grammar: investigating statistical and hierarchical learning in the tactile sensory domain. Oral presentation given at the conference *Interdisciplinary Advances in Statistical Learning*, San Sebastian, Spain, 1-3 June 2022.

INVITED TALKS AND SEMINAR CONTRIBUTIONS

Compostella, A., (2025). From sequence to hierarchy: Exploring domain-general and domain-specific mechanisms underlying implicit statistical learning and the formation of recursive structures. Oral presentation given within the *BILS seminar series*, University of Milano-Bicocca, 18 June 2025.

Compostella, A., (2022). AGL with the Fibonacci grammar in the tactile sensory domain. Oral presentation given within the *CLE seminar series*, University of Edinburgh, 17 May 2022.

PUBLICATIONS

Compostella, A., Valcamonica, G., Gianotti, M., Secco, M., Silleresi, S., Arosio, F., Garzotto, F., & Guasti, M. T. (2025). Supporting children with linguistic vulnerabilities through advanced, theory-driven technological solutions: The TELMI approach for Italian children with DLD and children with Italian as L2. In S. Rebora, M. Rospocher, & S. Bazzaco (Eds.), *Diversità, equità e inclusione: Sfide e opportunità per l'informatica umanistica nell'era dell'intelligenza artificiale. Proceedings del XIV Convegno Annuale AIUCD2025* (p. 663). ISBN 978-88-942535-9-7. DOI: 10.6092/unibo/amsacta/8380.

Compostella, A., Tagliani, M., Vender, M., & Delfitto, D. (2025). On the interaction between implicit statistical learning and the alternation advantage: Evidence from manual and oculomotor serial reaction time tasks. *PLoS ONE* 20(2): e0318638. DOI: 10.1371/journal.pone.0318638

Compostella, A. (2024). *Language and perception: Investigating linear and hierarchical implicit statistical learning across the visual, auditory, and tactile sensory domains* (Doctoral dissertation, University of Verona, Italy).

Culbertson, J., **Compostella, A.**, & Kirby, S. (2024). Language structure reflects biases in pattern learning across domains and modalities. *Quarterly Journal of Experimental Psychology*. DOI:10.1177/17470218241282404

Vender, M., **Compostella, A.**, Delfitto, D. (2023). Mapping precedence into containment: linear ordering in a bidimensional space. *Lingue e Linguaggio* 22(1), 49-88. DOI: 10.1418/107704

Vender, M. Krivochen D.G., **Compostella A.**, Phillips B., Delfitto D. & Saddy D. (2020). Disentangling sequential from hierarchical learning in Artificial Grammar Learning: Evidence from a modified Simon Task. *PLoS ONE* 15(5): e0232687. DOI: 10.1371/journal.pone.0232687

Dichiaro che tutto quanto affermato nel presente curriculum corrisponde a verità, e che le dichiarazioni in esso contenute vengono rese ai sensi degli artt. 46 e 47 del D.P.R. 445/2000 (dichiarazioni sostitutive di certificazione e sostitutive dell'atto di notorietà). Autorizzo al trattamento dei dati personali ai sensi della normativa vigente (GDPR – Regolamento UE n. 2016/679).

I hereby declare that everything stated in the present CV corresponds to the truth and that all declarations therein are in accordance with the articles 46 and 47 of D.P.R. 445/2000. I hereby authorize the use of my personal data according to the European regulation on the protection of personal data (GDPR n. 2016/679).

Milano, 20/11/2025

Arianna Compostella

