

Davide Spinelli

Doctoral Student

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[BILgroup](#)

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Profile

My research interests lie at the intersection of formal linguistics and cognitive science. My doctoral project combines theoretical and experimental approaches to investigate the *syntax-semantics* interface, with special focus on the logical properties of meaning.

Additional research interests include neurocognitive models of language processing.

Academic positions

- Current *Doctoral student (PhD)* in Psychology, Linguistics and Cognitive Neuroscience, University of Milano-Bicocca. Advisors: prof. F. Foppolo, C. Reverberi, S. Pistoia Reda
- Current *Ingénieur de recherche*, Grenoble Neuroscience Institute (GIN) – LIDILEM lab, University of Grenoble Alpes.
- Research project: *Neural correlates of L2 comprehension* (COraIL)
 - Task: fMRI data analysis (ROIs, Functional connectivity)
- 2025 Internship as *Graduate Research Assistant*, Grenoble Neuroscience Institute (GIN) – LIDILEM lab, University of Grenoble Alpes (7 months, paid). Tutor: prof. C. Delon-Martin, M. Masperi, V. Moscati
- Topic: *Neural correlates of L2 comprehension* (COraIL)
 - Tasks: stimuli programming (python, E-prime), collection neurophysiological data (fMRI), data analysis (Rstudio, MATLAB, SPM)
- 2023 Internship as *Research Assistant*, Language and Cognition Laboratory – University of Genova (3 months, unpaid). Tutor: prof. F. Domaneschi
- Topic: *Pragmatic Processing in Dyslexia*
 - Tasks: training on Eye-tracking Tobi X3-120, data analysis (Rstudio).

Education

- 2022-2025 M.A. (Master's degree) in Linguistics and Cognitive Studies, University of Siena
Dissertation: *Processing Uninformativeness: A Theoretical and Experimental Inquiry into the Logic-Grammar interface*. Advisors: proff S. Pistoia-Reda, V. Moscati
- 2022-2023 M1 (Professional Master) in Clinical Linguistics, University of Bologna
Advisors: proff. F. Domaneschi, G. Gagliardi

Honors

- 2025-2028 3-year PhD scholarship, Italian Ministry of University and Research, University of Milano-Bicocca
- 2025 LabEX CerCog – Cerveau et Cognition, scholarship on project (7 months), University of Grenoble Alpes

Conferences & Publications

- June 2026 *Poster presentation*: “Listening comprehension in second language. Do neural correlates depend on language proficiency?” (with T. Biagiotti, C. Delon-Martin, Emilie Cousin), at *Annual Meeting of the Organization for Human Brain Mapping (OHBM, 14-18 June 2026)*, Bordeaux (FR)
- May 2026 *Poster presentation*: “A semantic constraint on Logical Form: Processing Uninformativeness” (with F.Foppolo), at *Psycholinguistics in Flanders (PIF, 12-13 May 2026)*, University of Pavia
- May 2026 *Talk presentation*: “The Logic-Grammar interface: Veridicality and Unformativeness” (with F. Foppolo), at *Giornata di Psicologia del Pensiero (7-8 May 2026)*, University of Trieste
- Feb. 2026 *Talk presentation*: “Processing Uninformativeness: Evidence for Modalized Veridicality Requirement” (with S. Pistoia-Reda, V. Moscati), at *51° Incontro di Grammatica Generativa (IGG 51, 12-15 Feb. 2026)*, University of Udine
- Nov. 2025 *Talk presentation*: “Processing Uninformativeness: Evidence for Modalized Veridicality Requirement” (with S. Pistoia-Reda, V. Moscati), at *Symposium on Empirical Approaches to Meaning and Structure (SEAMS 2025, 21-23 Nov. 2025)*, University of Cyprus
- Sept. 2025 *Talk presentation*: “Grounding the Breakdown: Central and Autonomic Correlates of L2 Listening Obstacles” (with T. Biagiotti), at *Embodied and Situated Language Processing (ESLP, 23-26 Sept. 2025)*, Aix Marseille Université

Aug. 2023 *Summer School*, “European School in Logic, Language and Information”. University of Ljubljana

References

F. Domaneschi PhD, University of Genova, filippo.domaneschi@unige.it
S. Pistoia-Reda PhD, University of Siena, salvatore.pistoiaireda@unisi.it
V. Moscati PhD, University of Siena, vincenzo.moscati@unisi.it
F. Foppolo PhD, University of Milano-Bicocca , francesca.foppolo@unimib.it
C. Delon-Martin PhD, Grenoble Neuroscience Institute, chantal.delon@univ-grenoble-alpes.fr

Skills and Competences

SPOKEN LANGUAGES

Italian	Native Language
English	Advanced Level (C1)
French	Intermediate Level (B1)

PROGRAMMING SKILLS

Psychopy	Advanced
RStudio	Advanced
Python	Intermediate
MRICron	Intermediate
E-prime	Advanced
MATLAB	Advanced
SPM	Advanced
PCibex	Advanced

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Last update: June 2026