



Work and Research Experience

- May 2025: **Post-Doctoral researcher.** Laboratory of Neuropsychology, ICS Maugeri IRCCCS, Bari, Italy. Director Dr. P. Battista.
Neuropsychologist for nationally funded project aimed at the development of language-tailored interventions for people with Primary Progressive Aphasia. Speech and language assessment, data collection, analysis.
- February 2024 - May 2025: **Post-doctoral researcher.** IRCCS Mondino Foundation, Pavia, Italy.
Neuropsychologist for nationally founded projects. Speech and language assessment of neurodegenerative patients (Primary Progressive Aphasia) and for planning of language treatment. Cognitive assessment of neuro-oncological patients' performance.
- October 2020 - December 2023: **PhD in Cognitive Neuroscience and Philosophy of Mind.** University School for Advanced Studies, IUSS, Pavia, Italy. Supervisor: Prof. E. Catricalà; Prof. S. Cappa
Multimodal characterization of speech and language profiles in neurodegenerative disorders, using neuropsychological assessment and neuroimaging techniques (FDG-PET).
Data management, data analysis with SPSS and R, data interpretation, literature review, writing of conference and journal papers.
- September 2022 - May 2023: **Visiting graduate.** Memory and Aging Center, University of California San Francisco (UCSF), San Francisco, USA. Mentor: Prof. M.L. Gorno-Tempini.
Development and management of cross-linguistic studies on Primary Progressive Aphasia cohorts (English, Chinese, Italian). Identification of connected speech markers valid for cross-linguistic and language specific assessment. Speech and language data collection, multimodal and multidimensional analysis (CLAN, SPSS, R, Gephi, MATLAB), data interpretation, writing of conference and journal papers. Coordination of research activities across centers.
- March 2019 – December 2019: **Research collaborator.** IRCCS Maugeri, Pavia, Italy.
Characterization of socio-cognitive deficit in neurological patients. Data collection, statistical analysis, systematic literature review.
- October 2017 – October 2018: **Post-lauream intern.** IRCCS San Raffaele Hospital, Milan, Italy
Administration of neuropsychological tests, scales and behavioral questionnaires to patients affected by neurological disorders; individual cognitive training for patients with cognitive deficits; psychological support and psycho-educational interventions for caregivers.

Education

- 2020 – 2023: **PhD in Cognitive Neuroscience and Philosophy of Mind.** University School for Advanced Studies, IUSS, Pavia, Italy . *Thesis “Oral and Written Production in Healthy Subjects and*

Primary Progressive Aphasia: A Cross-Linguistic Comparison.” Final score: Excellent. Supervisor: Prof E. Catricalà; Prof. S. Cappa

- 2018 – 2022: **Specialization school in Psychotherapy.** NOUS , Milan, Italy
- 2018: **National License Exam for Psychology License.** Section A n° 21164
- 2015 – 2017: **Master’s degree in psychology.** University of Pavia, Pavia, Italy
Thesis “Influence of cultural factor on post-operative children behavior: North-South differences.”
Final score: 110/110. Supervisor: Prof. G. Bottini
- 2013 – 2015: **Bachelor’s degree in Psychological Science and Techniques.** University of Pavia, Pavia, Italy. *Thesis “Getting on the same page: the neural basis for social coordination in behavioral variant of frontotemporal degeneration.”* Final score: 110/110 cum laude. Supervisor: Prof. P. Argentero

Participation in Founded Project

- Post-doctoral researcher: “After Diagnosis, What Can Be Done? Speech and Language-Tailored Interventions for People with Primary Progressive Aphasia”. PNRR PNRR-MCNT2-2023-12378220
- Post-doctoral researcher: “A Multimodal Approach for Clinical Diagnosis and Treatment of Primary Progressive Aphasia (MAINSTREAM).” Project FRRB 3430931
- Post-doctoral researcher: “Neurological, neuropsychological, and advanced MRI assessment of brain toxicity after hadron therapy for skull base and paranasal sinuses cancers.” RF-2021-12373476

International Collaborations

- From September 2022: Collaboration with **ALBA Language Neurobiology Lab**, Director: Prof. Maria Luisa Gorno-Tempini, Memory and Aging Center, University of California San Francisco (UCSF) (USA). Cross-linguistic assessment of language deficit in neurodegenerative patients.
- From September 2022: Collaboration with **Tee Lab**, Director: Dr. Boon Lead Tee. Memory and Aging Center, University of California San Francisco (UCSF) (USA). Cross-linguistic assessment of language deficit in neurodegenerative patients.
- From January 2023: Collaboration with Miguel Santos-Santos from **The Sant Pau Memory Unit** of the Neurology Department at Hospital de la Santa Creu i Sant Pau in Barcelona (Spain) and Stephanie Grasso from the **Department of Speech, Language, and Hearing Sciences** (Texas, USA). Cross-linguistic assessment of language deficit in neurodegenerative patients.
- From May 2023: Collaboration with Prof Pijnenburg and Dr Renssen at **Amsterdam UMC (Netherlands)**. Cross-linguistic assessment of language deficit in neurodegenerative patients.

Participation to National and International Congress as invited speaker

- 2025: Invited Speaker to **Alzheimer's Association International Conference 2025 (AAIC®)**, Toronto, Canada, July 27-31, 2025. Presenting: *Cross-linguistic characterization of speech and language profiles of English, Chinese, and Italian Primary Progressive Aphasia patients: a data-driven approach.*
- 2024: Invited Speaker to **Alzheimer's Association International Society** to advance Alzheimer's Research and Treatment (ISTAART) Webinar. Presenting: *Year-In-Review Bilingualism, Languages and Literacy*
- 2023: Invited speaker to the **Alzheimer's Association Bilingualism, Language and Literacy Special Interest Group**. Presenting: *Linguistic Variation Across Three Languages: Italian, English, and Chinese*

Honors and Awards

- Conference Fellowship for the Alzheimer's Association International Conference 2025 (AAIC®), Toronto, Canada, July 27-31, 2025.
- Erasmus+ traineeship's grant (call of 2021) for the visiting period at University of California San Francisco.
- Erasmus+ traineeship's grant (call of 2022) for the visiting period at University of California San Francisco.

Professional Membership and Other positions

- 2024: Tutoring activities (TPV) for master students of Psychology, Neuroscience and Human Sciences, Pavia, Italy
- 2023 – present: Member of the Outreach Committee for INCLUDE

I undersigned Gaia Chiara Santi authorize treatment of my personal data according to Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali e del Regolamento (UE) 2016/679 del 27 aprile 2016 "GDPR".

Milan, 13/06/2025

