

Dr. Federica Natalizi

PERSONAL INFORMATION

Language: Italian (mother tongue), English (B2).

ORCID ID: <https://orcid.org/0000-0003-0139-426X>

CURRENT POSITION

PhD course Behavioural Neuroscience (XXXVII Cycle). “La Sapienza” University. Rome, Italy.

WORK EXPERIENCE

- 2024- Research fellow at IRCCS Santa Lucia Foundation for the study entitled “*To convert or not to convert: neurobiological and clinical pathways of Alzheimer’s transition*”. IRCCS Santa Lucia Foundation. Rome, Italy.
- 2023- Research fellow at IRCCS Santa Lucia Foundation for the study entitled “*CleverGuard ICT solution based on energy data for protecting elderly at home, staying safe and independently*”. IRCCS Santa Lucia Foundation. Rome, Italy.
- 2023- Contratto di lavoro autonomo per prestazione d’opera non abituale. Bando “Orientamento next generation - Università del Lazio – Sapienza”. Project under Investment 1.6 of PNR M4C1.1 Mission “*Improving the quality and expanding the quantity of education and training services*”.
- 2023- Co.Co.Co STUDIUM Society. Tutor- supporting exams and thesis preparation of psychology and neuroscience students. STUDIUM Society, Italy.
- 2022- Co.Co.Co- Psychologist. Clinical assessment and neuroimaging activities. IRCCS Santa Lucia Foundation. Rome, Italy.

EDUCATION AND TRAINING

- 2023- Master “*Aging Brain*”. IRCCS Santa Lucia Foundation. Rome, Italy.
Thesis: *Hearing Loss and Dementia: A Call for Accessible and Inclusive*

Solutions.

- 2022- Summer School “*Advancements in experimental and clinical neuroscience of motor and cognitive systems in neurodegenerative diseases*”. Aix-Marseille Université. Marseille, France.
- 2022- Albo degli Psicologi dell’Umbria, SEZ A. n°1620.
- 2021- Master “*Neuroriabilitazione di Alta Specialità*”. IRCCS Santa Lucia Foundation. Rome, Italy
Thesis: *Navigated Transcranial Magnetic Stimulation: the cutting edge for preoperative language mapping.*
- 2021- Esame di Stato per l’Abilitazione alla professione di Psicologa. University of Padua, Italy.
- 2020- Post-lauream Traineeship (500 h). Project assistant “*Being deaf during COVID-19 Pandemic*”. Servizio di Psicologia Ospedaliera- AOSP Santa Maria di Terni, Italy.
- 2020- Erasmus Traineeship (500 h). Project assistant in eye tracking studies to investigate eye pattern while reading in hearing loss children; EEG investigations. Responsible for the Italian translation and distribution of the questionnaire “*Hàbits lectors durant el confinament per COVID-19*”. Dpt. Psicología Evolutiva y de la Educación. University of Valencia, Spain.
- 2019- Master Degree Neuroscienze e Riabilitazione Neuropsicologica (LM-51, EX DM 270/04). University of Padua, Italy.
Thesis: *Listening effort in children with cochlear implant: pupillometric data.*
Supervisor: Prof.ssa Barbara Arfè.
Vote: 110/110 com laude.
- 2019- Pre-lauream Traineeship Master degree. Administration of neuropsychological tests to investigate verbal working memory and assessment of neural listening effort through pupillometry. Dipartimento Strutturale Aziendale Neuroscienze e Organi di Senso- Azienda Ospedaliera University of Padua, Italy.
- 2017- Bachelor Degree Scienze e Tecniche Psicologiche dei Processi Mentali

(L-24, DM 270/04). Università degli Studi di Perugia, Italy.

Thesis: Women in pregnancy: *prenatal attachment and postpartum depression*.

Supervisor: Prof.ssa Chiara Pazzaglia.

Vote: 110/110

2017- Pre-lauream Traineeship Bachelor's degree. FISSUF (Dipartimento di Filosofia, Scienze Sociali, Umane e della Formazione) and ASL Umbria, Italy.

2014- High School Diploma. Liceo Scientifico R. Donatelli, Italy.

PUBLICATIONS

Vecchio, D., Piras, F., **Natalizi, F.**, Banaj, N., Assogna, F., Pellicano, C., Piras, F. (2025).

Evaluating Conversion from Mild Cognitive Impairment to Alzheimer's Disease With Structural MRI: A Machine Learning Study. *Brain Communications*, fcaf027. <https://doi.org/10.1093/braincomms/fcaf027>

Natalizi, F., Gómez-Merino, N., Arfé, B., Ferrer, A., Gheller, F., & Fajardo, I. Being a deaf student in a face mask world: Survey data from Italian university students (2023). *Res Dev Disabil*, 143:104618. <https://doi.org/10.1016/j.ridd.2023.104618>

Gómez-Merino, N., Rubio, A., Ávila, V., Gil, L., & **Natalizi, F.** (2023). Effects of telework and digitalization on shared reading between parents and children. *Bordón, Revista de Pedagogía*, 75(1), 65-81. <https://doi.org/10.13042/Bordon.2023.94648>

Vecchio, D., Piras, F., Ciullo, V., Piras, F., **Natalizi, F.**, Ducci, G., ... & Banaj, N. (2023). Brain Network Topology in Deficit and Non-Deficit Schizophrenia: Application of Graph Theory to Local and Global Indices. *Journal of Personalized Medicine*, 13(5), 799. <https://doi.org/10.3390/jpm13050799>

Natalizi, F., Piras, F., Vecchio, D., Spalletta, G., & Piras, F. (2022). Preoperative Navigated Transcranial Magnetic Stimulation: New Insight for Brain Tumor-Related Language Mapping. *J Pers Med*, 12(10):1589. <https://doi.org/10.3390/jpm12101589>

Piras, F. & **Natalizi, F.** (2022). Interventi non farmacologici nei pazienti affetti da demenza. Il training cognitivo e la stimolazione multimodale. *La Neurologia Italiana*.

Natalizi, F. (2021). Oltre il contesto educativo: motivazione intrinseca e abitudini di lettura durante la pandemia da COVID19. *State of Mind*.

<https://www.stateofmind.it/2021/10/abitudini-lettura-covid19/>

De Sixte, R., Fajardo, I., Mañá, A., Jáñez, Á., Ramos, M., García-Serrano, M., **Natalizi, F.**, Arfé, B., & Rosales, J. (2021). Beyond the Educational Context: Relevance of Intrinsic Reading Motivation During COVID-19 Confinement in Spain. *Front Psychol.*, 12:703251. <https://doi.org/10.3389/fpsyg.2021.703251>

Natalizi, F. (2021). Lettura e COVID: Come sono cambiate le abitudini di lettura? *State of Mind*. <https://www.stateofmind.it/2021/04/lettura-covid19-abitudini/>

Salmerón, L., Arfé, B., Avila, V., Cerdán, R., De Sixte, R., Delgado, P., Fajardo, I., Ferrer, A., García, M., Gil, L., Gómez-Merino, N., Jáñez, Á., Lluch, G., Mañá, A., Mason, L., **Natalizi, F.**, Pi-Ruano, M., Ramos, L., Ramos, M., Roca, J., Rosa, E., Rosales, J., Rubio, A., Serrano-Mendizábal, M., Skrobiszewska, N., Vargas, C., Vergara-Martínez, M., & Perea, M. (2020). READ-COGvid: A Database From Reading and Media Habits During COVID-19 Confinement in Spain and Italy. *Front Psychol.*, 11:575241. <https://doi.org/10.3389/fpsyg.2020.575241>

COURSES

2024- Formazione generale salute e sicurezza sul lavoro per lavoratori e equiparati. “La Sapienza” University, Italy.

2022- Corso di Sicurezza in Risonanza Magnetica, IRCCS Santa Lucia Foundation, Italy.

2022- I principali programmi di finanziamento R&I. Corsi Soft Skill, “La Sapienza” University, Italy.

2022- Catalogo delle pubblicazioni IRIS: finalità e modalità di utilizzo. Corsi Soft Skill, “La Sapienza” University, Italy.

2022- Comunicazione e Divulgazione Scientifica. Corsi Soft Skill, “La Sapienza” University, Italy.

2022- Etica e Scienza per macrosettori PE e LS. Corsi Soft Skill, “La Sapienza” University, Italy.

2022- Advanced course in Applied Statistics and Research Methodology for Medical and Social Science. Neocortex- Advanced Neuroscience Courses.

2022- Primary course in Applied Statistics and Research Methodology for Medical and

Social Science. Neocortex- Advanced Neuroscience Courses.

- 2022- Corso di Scrittura Tecnico- Scientifica (9 Edizione). Facoltà di Ingegneria- “La Sapienza” University, Italy.
- 2013- Advanced English Language Course. St. George’s University, London, United Kingdom.
- 2012- Advanced English Language Course. Dublin City University, Dublin, Ireland.
- 2010- Advanced English Language Course. Heriot-Watt University, Edinburgh, United Kingdom.

SEMINARS AND CONFERENCES

- 2025- LAB-I «Interventi con evidenze di efficacia per potenziare il funzionamento cognitivo nella persona anziana e favorire un invecchiamento attivo». Servizio di Psicologia dell’Invecchiamento e della Longevità, University of Padua, Italy.
- 2024- 1° Convegno Nazionale. Il diritto alla sanità è uguale per tutti “Garantire alle persone con sordità un equo accesso ai servizi sanitari”. Università Politecnica delle Marche -Facoltà di Medicina e Chirurgia. Oral Presentation: “Accessibilità nell’assessment neuropsicologico: criticità e prospettive future”.
- 2024- Behavioral Neuroscience conference. Roma, Italy. Oral Presentation: “Predicting conversion from Mild Cognitive Impairment to Alzheimer’s Disease with Structural MRI: A Machine Learning Study”.
- 2023- Il potere delle storie. Eroi, giochi e personaggi al servizio della psicoterapia online e dal vivo. Commissione Nazionale per la Formazione Continua, Modalità Fad asincrona online.
- 2023- Congresso Nazionale Associazione Italiana Psicogeriatría (AIP). Napoli, Italy.
- 2023- Affettività e Sessualità nelle persone con disabilità nella neuro-riabilitazione ospedaliera: un approccio multidisciplinare. IRCCS Santa Lucia Foundation. Rome, Italy.
- 2023- Protocollo Riabilitativo Dual Task: training cognitivo-motorio su pazienti con disturbi di equilibrio e cammino o a rischio caduta. IRCCS Santa Lucia Foundation. Rome, Italy.

- 2022- Congresso Nazionale Società Italiana Neuropsicologia (SINP). Rovereto, Italy.
- 2021- Congresso- Screening del paziente ipoacusico, prevenzione e interventi dalla nascita all'età adulta. Sala Convegni Hotel Garden, Terni, Italy.
- 2021- XXXII Congreso Internacional de la Asociación Española de Logopedia, Foniatría y Audiología e Iberoamericana de Fonoaudiología (AELFA). Poster Session “Efectos del teletrabajo y la digitalización en la lectura compartida entre padres e hijos”. Barcelona, Spain.

DIGITAL SKILLS

Microsoft Office and iOS-MacOS packages.

Pupil Eye Tracking (Pupil Core Binocular Headset).

EEG data acquisition and registration.

Neuroimaging Techniques (MRICro, MRICron) and morphometry analysis (Voxel-based Morphometry -SPM 8; FreeSurfer).

Statistical Package for the Social Sciences (SPSS), MATLAB, R.