

Francesca Tambuscio

PERSONAL INFORMATION

Date of birth: 14th June 2000
Birthplace: Savona (SV)
Nationality: Italian

• EDUCATION

IN PROGRESS **PhD in Neuroscience**, University of Parma, Department of Medicine and Surgery, Italy
(2025-2028)

2024 Master's Degree (110 /110 cum Lode, with honourable mention) in **Psychobiology and Cognitive Neuroscience**, University of Parma, Department of Medicine and Surgery, Italy, October 2024.

Thesis: 'The encoding of vitality forms in children with autism spectrum disorder'

2022 Bachelor degree (107/110) in **Psychological Sciences and Techniques**, University of Genoa, Department of Education Sciences (DISFOR), Italy, July 2022.

Thesis: 'Memory consolidation in sleep and learning: the consequences of sleep deprivation on learning and possible solutions.'

2019 High school graduation (100/100) Giuliano Della Rovere, address Human Sciences, Savona, July 2019.

• WORK EXPERIENCES

04/2025-10/2025 Postgraduate internship, Institute for Biomedical Research and Innovation (IRIB) - Council National Research (CNR) (Messina)

Activities: assistance and observation during the ESDM therapy, assessments ADOS and Griffiths scales on children with autism spectrum condition. Recruitment of participants, designing stimuli for experiments, assisting in conducting experiments, data analysis, literature research.

12/2024-10/2025 Research Fellowship, Department of Food and Drug Sciences, University of Parma (Parma)

Title: "Study of the role of vitality forms in human-human and human-robot social interactions in children with autism spectrum disorder."

06/2023-07/2024 Thesis internship, University of Parma (Parma)

Activity: Transformation of videos into cartoons, through the use of 'cartoons' software, analysis of behavioral (time reactions, accuracy, etc.) and kinematic (velocity, acceleration, etc.) data in children affected by autism spectrum disorder.

01/2024-04/2024 Curricular internship, University of Parma (Parma)

Activities: bibliographic research, preparation and construction of questionnaires, recruitment of participants, design of stimuli for experiments and use of Eprime, illustration of experimental procedures to participants, assistance in fMRI during data acquisition and data analysis with SPM software.

10/2020-02/2021 Cognitive Psychology Laboratory 'Cognilab'(24h), University of Genoa (DISFOR) (Genoa)

Activities: bibliographic research, design of stimuli and experimental paradigms.

- **LANGUAGE SKILLS**

Mother language: Italian

Other languages: English

- **ATTESTATIONS AND CERTIFICATIONS**

22/04/2023 Participation in the online course 'The radiation protection of operators in healthcare activities (Legislative Decree 101/2020) and safety elements in Magnetic Resonance Imaging (DM 14/01/2021)'.

- **AWARDS**

17/10/2023-21/10/2023 Study Prize entitled: The Athletic Ape: Merging human evolutionary biology with sports science (Erice), awarded by the University of Parma, Parma (€ 450)

- **DIGITAL SKILLS**

Good skills in using Rstudio software and good use of MS - Office: Word, Excel, Power Point, Outlook etc.

PAPERS

Cuccio V., **Tambuscio F.**, Leonardi E., Famà F.I., Mastrogiuseppe M., Carrozza C., Aiello S., Campisi A., Minutoli R., Chilà P., Campisi S., Marino F., Bruschetta R., Pelosi A., Sciutti A, Ruta L., Tartarisco G., Pioggia G., Di Cesare G. Recognition of action vitality forms is linked to social communication traits in Autism. *Autism*. (2025)

Carapelli, C., **Tambuscio, F.**, Rossi, B., Saccuti, A., & Di Cesare, G. Behavioral Contagion in Social Games: How Others' Attitude Modulate Our Actions. *Frontiers in Psychology*, 17, 1790974 (2026).

Carapelli, C., Gerbella, M., **Tambuscio, F.**, & Di Cesare, G. Structural and Connectivity Alterations of the Premotor Cortex in Autistic Children: Implications for Affective Motor Impairments. *Brain Sciences*, 16(5), 446. (2026).

POSTER PRESENTATIONS

1. **Tambuscio F.**, Cuccio V., Leonardi E., Famà F.I., Mastrogiuseppe M., Carrozza C., Aiello S., Campisi A., Minutoli R., Chilà P., Campisi S., Marino F., Pioggia G., Bruschetta R., Pelosi A., Sciutti A, Ruta L., Tartarisco G., Di Cesare G. *Vitality forms perception in autism*. Società Italiana di Psicofisiologia (**SIPF 2024**).
2. **Tambuscio F.**, Cuccio V., Leonardi E., Famà F.I., Mastrogiuseppe M., Carrozza C., Aiello S., Campisi A., Minutoli R., Chilà P., Campisi S., Marino F., Pioggia G., Bruschetta R., Pelosi A., Sciutti A, Ruta L., Tartarisco

G., Di Cesare G. *"Impairment in recognizing vitality forms as a marker of Autism Spectrum Condition"* International student Congress on Clinical Innovation and Medical Sciences (**ICOCIMS 2024**).

3. **Tambuscio F.**, Carapelli C., Fornaroli A., Ossola P., Sciutti A., De Panfilis C., Di Cesare G. *Investigating the effect of vitality forms in patients affected by Borderline Personality Disorder and Bipolar Disorder*. Società Italiana di Psicofisiologia (**SIPF 2025**).
4. **Tambuscio F.**, Carapelli C., Rossi B., Saccuti A., Di Cesare G. *Behavioral Contagion in Social Games: How Others' Attitude Shape Our Actions*. European Society for Cognitive and Neuroscience (**ESCAN 2026**)

The undersigned Francesca Tambuscio, aware that false declarations entail the application of the penal sanctions provided for by art. 76 of D.P.R. 445/2000, declares that the information provided in this curriculum vitae is true.