



# Anna Maria Monciatti

Date of birth: 25/08/1995 | Nationality: Italian | Gender: Female | Address: Italy (Home)

## EDUCATION AND TRAINING

01/11/2024 – CURRENT Florence, Italy

**PHD IN ART, PERCEPTION AND TECHNOLOGY** Conservatorio Luigi Cherubini

The doctoral program, characterized by an in-depth multidisciplinary approach, aims to explore and optimize interactions between audiovisual stimuli in order to create more effective and immersive perceptual experiences for users. The primary objective is to investigate how the formal, harmonic, rhythmic, dynamic, timbral, and spatial characteristics of music and the graphic and plastic arts can influence users' physiological and cognitive responses.

**Level in EQF** EQF level 8

09/2022 – 02/2023 Florence, Italy

**PROFESSIONAL QUALIFYING INTERNSHIP IN PSYCHOLOGY** AIABA Onlus

Support activities within a multidisciplinary team involved in the assessment and rehabilitation of children, adolescents, and young adults with autism spectrum disorder. Participation in intervention programs based on the DIR/Floortime approach, with a focus on relational engagement, emotional regulation, communication, and socio-relational development. Activities were carried out in a structured and supervised setting, supporting professionals in therapeutic and educational pathways.

**Field of study** Therapy and rehabilitation | **Level in EQF** EQF level 7

01/02/2021 – 01/11/2021 Seville, Spain

**MASTER EN PSICOLOGÍA DE LA EDUCACIÓN: AVANCES EN INTERVENCIÓN PSICOEDUCATIVA Y NECESIDADES EDUCATIVAS ESPECIALES** Universidad de Sevilla - Facultad de Psicología

The Master's Degree in Educational Psychology adopts an advanced and interdisciplinary approach to psychoeducational intervention. It aims to develop professional competencies in educational counseling, teaching support across formal and non-formal contexts, and the assessment and support of learners with special educational needs. The program integrates theoretical training, practical activities, and applied research, with a strong emphasis on flexible, student-centered learning pathways.

**Level in EQF** EQF level 7

01/09/2019 – 01/02/2022 Florence, Italy

**MASTER'S DEGREE IN PSYCHOLOGY OF THE LIFE SPAN AND CONTEXTS (LAUREA MAGISTRALE IN PSICOLOGIA DEL CICLO DI VITA E CONTESTI NELLO SVILUPPO)** Università di Firenze

The Master's Degree in Psychology of the Life Span and Contexts provides advanced training in developmental psychology, with a particular focus on educational, family, and community settings. The program equips graduates with methodological and applied competencies for the assessment, prevention, and intervention in learning difficulties, developmental disorders, and psychosocial risk across childhood and adolescence. Through problem-based learning and close integration with professional practice, graduates develop autonomy, ethical responsibility, and the ability to work effectively within multidisciplinary teams, preparing them for professional practice in educational, clinical-developmental, and community-based contexts.

**Level in EQF** EQF level 7

02/2023 – 09/2023 Pistoia, Italy

**PROFESSIONAL QUALIFYING INTERNSHIP IN PSYCHOLOGY** Associazione Genitori Incontro Pistoia

Support activities within an association addressing psychological and social issues related to family contexts. Involvement in intake and initial assessment procedures, including the collection of background information,

observation of individual and relational dynamics, and support in the definition of psychological profiles of incoming clients, within a structured and supervised setting.

**Field of study** Health and welfare | **Level in EQF** EQF level 7

01/09/2015 – 01/04/2019 Florence, Italy

**BACHELOR'S DEGREE IN CLINICAL PSYCHOLOGY ( LAUREA IN SCIENZE E TECNICHE PSICOLOGICHE-CURRICULUM CLINICO)** Università di Firenze

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The Bachelor's Degree in Psychology provides foundational training across the main areas of psychological science, including general and experimental psychology, developmental and educational psychology, social and work psychology, and clinical and health psychology. The program aims to develop systematic and up-to-date knowledge of biopsychological, cognitive, emotional, and social processes, together with theoretical and methodological competencies in psychological research and assessment. Graduates acquire interdisciplinary knowledge, applied skills for work with individuals, groups, and communities.

**Level in EQF** EQF level 6

## ● **WORK EXPERIENCE**

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**UNIVERSITY RESEARCH ASSISTANT – UNIVERSITÀ DI FIRENZE** – 01/12/2022 – 31/10/2024 – FLORENCE, ITALY

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Research fellowship focused on the study of tactile perception in virtual reality environments. The project investigated user interaction with soft virtual objects through wearable pneumatic haptic displays, combining psychophysical testing, questionnaires, and fNIRS data acquisition and analysis. The role involved data processing using MATLAB, development of experimental protocols, preparation of documentation for ethical approval, and collaborative work within a multidisciplinary research team, in partnership with a rehabilitation research center.

## ● **SKILLS**

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### **Programming**

MATLAB | Python (computer programming)

### **Data Presentation and Graphic Design**

Basic Knowledge: LaTeX, SQL | Creative Content Creation - Canva

### **Statistical analysis softwares**

Basic SPSS skills | Good knowledge of OriginLab Software

### **Productivity softwares**

Microsoft Office, LibreOffice, LaTeX | Zoom Cloud Meeting

### **Interpersonal And Facilitation Skills**

Group facilitating, managing group interactions | Street education and outreach activities | Group facilitation skills | Active listening and supportive communication | Collaboration in multidisciplinary teams

### **Research & Project Development skills**

Project writing | Research project design for ethical review | Write Scientific Publication | Presentation of Research Results in Scientific Conventions | Dissemination of Scientific Results | Drafting of experimental protocols

### **Psychophysiological Data Knowledge**

fNIRS | EEG | HRV | EDA

## ● **LANGUAGE SKILLS**

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Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	C1
<b>SPANISH</b>	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● PUBLICATIONS

2025

### **Unpleasant odors compared to pleasant ones cause higher cortical activations detectable by fNIRS and observable mostly in females**

This study evaluated the effectiveness of fNIRS in assessing the hedonic valence of odors, revealing significantly greater cortical activation for unpleasant compared to pleasant stimuli. Sex-related differences emerged, with stronger responses in females. These findings support fNIRS as a valid and complementary tool to EEG for cortical investigations of olfactory perception.

Monciatti, A. M., Lapini, M., Gemignani, J., Frediani, G., & Carpi, F. (2025). Unpleasant odors compared to pleasant ones cause higher cortical activations detectable by fNIRS and observable mostly in females. *APL bioengineering*, 9(1).

**Authors:** Monciatti, A. M., Lapini, M., Gemignani, J., Frediani, G., & Carpi, F. | **Journal Name:** APL bioengineering | **Publisher:** APL

2022

### **Italian version of the Vaccination Fear Scale (VFS-6): internal and external validation.**

This study presents the Italian validation of the Vaccination Fear Scale (VFS-6), aimed at assessing fear related to COVID-19 vaccination. Based on a large Italian sample, the scale showed a robust bifactorial structure (cognitive and physical components), strong reliability, and good validity. Results indicated higher vaccination fear among females and a strong association with vaccine anxiety and hesitancy. The validated tool supports both research and public health interventions targeting vaccine hesitancy.

Duradoni, M., Veloso, M. V., La Gamma, M., Monciatti, A. M., & Guazzini, A. (2022). Italian version of the Vaccination Fear Scale (VFS-6): internal and external validation. *Mediterranean Journal of Clinical Psychology*, 10(2).

**Authors:** Duradoni, M., Veloso, M. V., La Gamma, M., Monciatti, A. M., & Guazzini, A. | **Journal Name:** Mediterranean Journal of Clinical Psychology

## ● DRIVING LICENCE

**Driving Licence:** B

## ● VOLUNTEERING

03/2023 – CURRENT Centro Solidarietà di Prato

### **Volunteer Facilitator**

Volunteer activities within a community-based association, including facilitation and co-management of peer self-help groups, street education and outreach interventions, and support in the identification and drafting of funding opportunities for association activities. Involvement in science-based and inclusive communication through the management of social media content, with a focus on awareness-raising and dissemination related to LGBTQIA+ populations.

01/04/2019 – 01/09/2022 Florence

### **Volunteer – Scientific Communication and Outreach**

Volunteer activity focused on scientific communication and outreach, including the dissemination of the laboratory's research activities and the communication of basic concepts related to virtual psychology and group dynamics. Responsibilities also included the management and organization of the laboratory's thesis database, supporting knowledge sharing and accessibility as part of the university's Third Mission.

## ● CONFERENCES AND SEMINARS

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14/11/2025 – 15/11/2025 Florence

### **Convegno A.L.L.-Accessibilità, Luoghi, Libertà**

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The conference addressed accessibility in cultural institutions, promoting inclusive and conscious participation for all audiences. Designed as a collective and interdisciplinary exchange, the event brought together scholars, museum professionals, institutions, and associations to reflect on shared standards of welcome and participation beyond disability-focused approaches. Through dialogues, guided visits, and workshops, the meeting emphasized people and their real needs as the foundation for transforming accessibility into an opportunity for cultural engagement.

26/09/2025 – 27/09/2025 Florence

### **Phd program workshop ATP and MUSART**

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In the PhD program simposium I presented my PhD research to my peers. The presentation outlined the doctoral research project investigating multisensory perception and audiovisual interaction through an interdisciplinary approach combining psychology, neuroscience, and sound studies. The project's aim is to contribute to the design of more inclusive, immersive, and perceptually effective experiences in artistic, educational, and technological contexts.

15/09/2025 – 18/09/2025 Pisa

### **Unlocking the Mind and Emotions: Cutting-Edge Bioengineering Techniques from Computational Physiology to Clinical Applications**

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The program offered an intensive overview of the neurophysiology of emotions and advanced methodologies for emotion measurement. Through lectures, talks, and hands-on sessions, the school addressed theoretical foundations, computational and multimodal approaches, wearable and contactless technologies, and applications in affective computing, assistive technologies, neuromarketing, and brain-computer interfaces. The training combined neuroscientific, clinical, and technological perspectives to provide a comprehensive understanding of emotional processes and their measurement.

12/09/2025 – 13/09/2025 Bologna

### **UICI Technology Tech for All**

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UICI TECHNOLOGY – Tech for All 2025 was a national event dedicated to assistive technologies and digital accessibility, aimed at UICI technology representatives and territorial leaders. The meeting brought together experts, research institutes, and major industry stakeholders to present innovative solutions for accessibility, independent living, healthcare, communication, and multiple disabilities. Through conferences and an exhibition area, the event promoted knowledge exchange on emerging technologies designed to enhance inclusion for blind and visually impaired people.

09/06/2025 – 13/06/2025 Alghero

### **Summer School on Biophotonics, AI and Data Analysis**

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The summer school featured lectures and research presentations on biomedical imaging and spectroscopic techniques for tissue characterization, including microscopy, volumetric imaging, and biosensing applications in cancer diagnosis and treatment. The program also presented current research on artificial intelligence-assisted imaging and spectroscopic data analysis, digital pathology, and advanced modelling approaches based on metamaterial and random media theories.

28/06/2025 Florence

### **Percezione uditiva e Cognizione Musicale, Tecnologie Inclusive: Sfide, strumenti e prospettive**

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This talk explored musical perception through an interdisciplinary approach integrating psychoacoustics, neuroscience, music pedagogy, and emerging technologies. It focused on the audio-psycho-phonatory circuit linking perception, cognition, and sound production, and addressed themes of musical learning, performer-listener interaction, and accessibility. The contribution connected foundational research with recent applications in artificial intelligence and sensory technologies.

04/06/2025 – 06/06/2025 Turin

### **Being Many BEYOND 2025**

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During a dedicated pitch session, I presented a brief overview of my doctoral research project. The presentation took place within BEYOND 2025: Being Many, an international conference focused on accessibility, participatory governance, and inclusive cultural practices. The event brought together cultural organisations, researchers, and practitioners to explore collective and intersectional approaches to cultural leadership through talks, workshops, and collaborative sessions.

16/05/2025 Florence

## **Vedere i suoni, sentire i colori**

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The workshop explored the connections between sound, color, form, and rhythm in the arts, highlighting synesthesia as a key framework for creative thinking, particularly since the artistic avant-gardes of the twentieth century. References to the Bauhaus and figures such as Johannes Itten and László Moholy-Nagy emphasized the relevance of intersensory correspondences. The contribution underscored the importance of interdisciplinary research for developing a deeper and applicable understanding of sensory interactions in design.

03/07/2023 – 05/07/2023 Padua

## **SfNIRS summer school**

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The program provided in-depth training on functional near-infrared spectroscopy (fNIRS), covering its basic principles, experimental design, and advanced data analysis techniques. Lectures addressed image reconstruction, diffuse optical tomography, functional connectivity, and time-domain fNIRS, alongside applications in developmental research. The school combined theoretical sessions with lab visits, hands-on activities, and data clinics to support practical understanding of fNIRS methodologies.

21/09/2022 – 24/09/2022 Naples

## **9ICCP Naples- Community Regeneration. Bonds and bridges among people and environments**

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The event brought together international scholars and practitioners in community psychology to address themes of social justice, resilience, participation, and community-based research through workshops, symposia, and poster sessions. The conference promoted interdisciplinary dialogue on issues such as climate change, migration, gender-based violence, and community resilience. In addition to participating in scientific activities, I provided support in organizational and logistical tasks contributing to the coordination and smooth running of the conference.

08/09/2021 – 10/09/2021 Florence

## **SIPCO National Conference- Beyond Distance: Communities Between Separation and Solidarity**

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The conference addressed key themes in community psychology, focusing on social cohesion, participation, resilience, and community responses to crises and social change. Through keynote lectures, symposia, and interactive sessions, the event fostered dialogue on community-based research, social justice, and inclusive practices. In addition to attending scientific sessions, I provided support in organizational and logistical activities, contributing to the coordination and smooth execution of the conference.