

EUROPEAN FORMAT FOR CURRICULUM VITAE



PERSONAL INFORMATION

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Date of birth

06/03/1997

PROFESSIONAL/WORK EXPERIENCE

- Date
- Institute
- Sector
- Type of use
- Main tasks and responsibilities

01/2023-Present

LENS - European Laboratory for Non-Linear Spectroscopy / University of Florence
INTERNATIONAL DOCTORATE IN ATOMIC AND MOLECULAR PHOTONICS
Ph.D. Project: Measurements on human central and peripheral nervous system with biometric sensors also in social contexts
Supervisor: Prof. Francesco Saverio Pavone

- Date
- Institute
- Sector
- Type of use
- Main tasks and responsibilities

03/2022 - 03/2023

University of Florence - Department of Neuroscience, Psychology, Drug Area and Child Health (NEUROFARBA)- Laboratory of Cognitive Psychophysiology

Research on Inhibitory Control Processes - Laboratory of Cognitive Psychophysiology

Research Fellow

- Research activity: "Inhibitory control processes during cooperative and competitive tasks in musicians and athletes" - headed by Professor Fabio Giovannelli.
- Participation in creation of behavioral and electrophysiological experimental setups (MATLAB, OPENSESAME), recruitment of subjects, acquisition (electrophysiological techniques - EEG), data analysis and interpretation.
Collaboration in writing scientific papers.
- Meta-analysis research on Inhibitory Control Processes.
- Collaboration and attendance of the physiological science laboratory with Prof. Riccardo Bravi for the stages of experimental setup creation, data collection and analysis

- Date 06/2022 - 10/2022
- Main tasks and responsibilities Conducting short seminars and assistance in teaching exercises during “Fundamentals of Neuropsychology” course (Master's Degree – Prof. Maria Pia Viggiano and Prof. Fabio Giovannelli) as an expert on the subject.

EDUCATION AND TRAINING

- Date 2011-2016
- Name and type of educational institution or Training Scientific High School Niccolò Rodolico
- Main subjects/professional skills studied. Traditional high school science course
 - Qualification obtained High School graduation
 - Level in national classification EQF Level: 4

- Date 2016 - 2019
- Name and type of educational institution or Training University of Florence – School of Psychology
 - Main subjects/professional skills studied. Three-year Course in Psychological Sciences and Techniques (L-24): curriculum in Psychology of Cognitive Processes
 - Thesis: “Theory of Mind: the role of the Corpus Callosum”
 - Supervisor: Professor Maria Pia Viggiano
 - Qualification obtained. Bachelor's degree in Psychological Sciences and Techniques (110 /110 cum laude)
 - Level in classification national EQF level:6

- Date 2019-2021
- Name and type of educational institution or Training University of Florence – School of Psychology
 - Main subjects/professional skills studied. Master's Course in Clinical Health Psychology and Neuropsychology (LM-51): curriculum in psychological assessment and intervention in neuropsychology.
 - Thesis: "Neural correlates of cognitive control in the impulsivity tract: a meta-analysis (ALE)"
 - Supervisor: Professor Maria Pia Viggiano
 - Qualification obtained. Master's Degree in Clinical Health Psychology and Neuropsychology (110/110 cum Laude)
 - Level in classification national EQF level:7

- Date 2022
- Name and type of educational institution or Training University of Florence – School of Psychology
 - Qualification obtained. “Cultore della Materia” (**Subject Expert and Teaching Assistant**) in B020854 - FUNDAMENTALS OF NEUROPSYCHOLOGY within the Master's degree courses in Clinical Psychology of Health and Neuropsychology (LM- 51) for the academic year 2022-2023

Date	01/2023-Present
<ul style="list-style-type: none"> Name and type of educational institution o Training 	LENS - European Laboratory for Non-Linear Spectroscopy / University of Florence INTERNATIONAL DOCTORATE IN ATOMIC AND MOLECULAR PHOTONICS Ph.D. Project: Measurements on human central and peripheral nervous system with biometric sensors also in social contexts Supervisor: Prof. Francesco Saverio Pavone
<ul style="list-style-type: none"> Qualification obtained. 	PhD

INTERNSHIPS

- Date
03/2022 - 09/2022
- Name and type of educational institution
USL Toscana Centro - Unità Funzionale Semplice Salute Mentale Infanzia e Adolescenza (U.F.S. SMIA).
o Training
Location: via G D'Annunzio 29, Florence - Neuropsychological evaluation clinic
- Main subjects/professional skills studied
 - Neuropsychological assessments in children and adolescents (7-18 years); Behavioral and emotional assessment and psychological intake of children with ADHD and their families, with multimodal treatment modalities.
 - Observation and learning of how to use cognitive, executive function and learning assessment tests, self-administered behavioral questionnaires for parents and teachers.
 - Observation and learning how to write clinical reports.
- Qualification obtained
Supervisor: Venditti Francesca, psychologist and psychotherapist.
Postgraduate internship: second semester.

- Date
2022
- Name and type of educational institution
University of Florence – Department of Experimental and Clinical Medicine
- o Training
- Main subjects/professional skills studied
Volunteer attendance at the physiological sciences laboratory with Prof. Riccardo Bravi on the project that was part of the research grant "Inhibitory control processes during cooperative and competitive tasks in musicians and athletes": in-depth study of topics such as cognitive control, behavioral tasks of motor response inhibition, and underlying neural correlates.
In addition, tasks included participation in setup creation, data collection and analysis.

- Date
2021-2022
- Name and type of educational institution
University of Florence - Department of Neuroscience, Psychology, Drug Area and Child Health (NEUROFARBA)- Laboratory of Cognitive Psychophysiology
- o Training
- Main subjects/professional skills studied
 - participation in ongoing metanalysis work on cognitive control: use of Mango and GingerAle softwares for data visualization and analysis;
 - prosecution of thesis work: metanalysis on cognitive control in subjects with impulsivity trait.
 - training in use of Matlab programming software: data analysis and learning basics for implementing scripts used for task development.
 - participation in lab research projects by recruiting experimental subjects and acquiring data through the administration of behavioral tasks and/or using the ELeCTroencephalograph (EEG);
 - observation of psychological test administration.
 - acquisition of basic data visualization and analysis skills (Matlab, GingerALE, Mango);
- Qualification obtained
Supervisor: Prof. Maria Pia Viggiano
Postgraduate internship: first semester

- Date
2020-2021
- Name and type of educational institution
University of Florence - Department of Neuroscience, Psychology, Drug Area and Child Health (NEUROFARBA)- Laboratory of Cognitive Psychophysiology
- o Training
- Main subjects/professional skills studied
 - Insight into reviewing scientific literature;

- participation in one or more phases of a psychological research or intervention activity: literature search, coding of research materials, data entering, data analysis.
- Participation in meta - analysis work on the neural correlates of cognitive control: literature search, introduction to the use of Mango software, Matlab programming software and the GingerAle-Brain Mapping analysis system.

• Qualification obtained

Supervisor: Prof. Maria Pia Viggiano
Curricular internship Master's Degree

CONVENTIONS/ CONFERENCES

- Date 10/2022
35th ECNP (European College of Neuropsychopharmacology) Congress: "Welcome to the future of CNS treatments".
Wien, 15-18 October 2022.
- Date 09/2022
XXX National Congress SIFP (Società Italiana di Psicofisiologia): "The developing brain" Udine, 15-17 September 2022.
- Date 2021
Conference organized by the laboratory of Cognitive Psychophysiology of the Department of Psychology of the University of Florence on "Cognitive control: continuity between the brain areas of the proactive and reactive inhibition circuits".
By Prof. Gioele Gavazzi
- Date 2020
Participation as an auditor at the IX National Conference of Neuroscience, Neuropsychology and Psychotherapy "The age of anger, the words of hatred: between acting out and mentalization".
By Performat srl
- Date 2017
Participation as an auditor at the conference 'Beyond the information given: reflection on the legacy of Jerome Bruner' at the University of Florence.
International conference on the legacy left by Jerome Bruner in the field of psychology and research on Narration.
By Prof. Andrea Smorti

POSTER PRESENTATION

- Date 16/10/2022
Poster presentation - 35th ECNP Congress. Vienna, 15-18 October.
Title: "Neural correlates of cognitive control in the impulsivity trait: an ALE metanalysis". Noferini C., Gavazzi G., Giovannelli F., Cavaliere C., Mele G., Mascalchi M., Viggiano M.P.
- Date 16/09/2022
Poster presentation – XXX SIFP National Congress "The developing brain" Udine, 15-17 September 2022.
Title: "Impulsivity trait and Inhibitory control: preliminary data of an ALE meta-analysis". Noferini C., Gavazzi G., Giovannelli F., Cincotta M., Mascalchi M., Viggiano M.P.

PUBLICATION

Noferini C., Gavazzi G., Giovannelli F., Cavaliere C., Mele G., Mascalchi M., Viggiano M.P. Neural correlates of cognitive control in the impulsivity trait: an ALE metanalysis. (2022, accepted). Abstract contribution, 35th ECNP Congress.

Gavazzi G., Giovannelli F., Noferini C., Cincotta M., Salvatore M., Cavaliere C., Mascalchi M., Viggiano M.P. * The more the inhibition is stressed the higher the prefrontal cortex is recruited. (2022, under review). Neuroscience and Biobehavioral Review

Noferini C., Gavazzi G., Giovannelli F., Cavaliere C., Cincotta M., Mascalchi M., Viggiano M.P. Neural correlates of cognitive control in the impulsivity trait: an ALE metanalysis. (2022, in preparation).

Giovannelli, Fabio; Gavazzi, Gioele; Noferini, Chiara; Palumbo, Pasquale; Viggiano, Maria Pia; Cincotta, Massimo. Impulsivity traits in Parkinson's disease: a systematic review and meta-analysis. (2022 – under review) Movement Disorders Clinical Practice.

FURTHER INFORMATION

ACQUIRED SKILLS

- Basic use of both behavioral and electroencephalographic techniques for acquiring experimental data (EEG).
- Basic use of Python programming language for implementing behavioral tasks via Opensesame platform.
- Basic skills in creating experimental setups and script generation in Matlab with Psychtoolbox 3.0 for behavioral task construction.
- Pre-processing and analysis of behavioral and EEG data (EEGLAB).
- Literature selection and data analysis using Gingerale 3.0.2 (www.brainmap.org/ale) for metanalysis of neural correlates.
- Use of Mango V.4.0.1 (<http://rii.uthscsa.edu/mango/>) software to visualize MRI images and fMRI results.
- Administration of major psychological and neuropsychological tests.
- Skills in statistical analysis with R.
- Collaboration in writing scientific articles.

RESEARCH ACTIVITIES

Research fellow (03/2022-12/2022)

"Inhibitory control processes during cooperative and competitive tasks in musicians and athletes"

Behavioral and electrophysiological characterization of inhibitory control processes during dynamic interactions between individuals using an EEG- hyperscanning approach to record brain activity simultaneously from two participants.

Evaluation of motor control processes in cooperative (musical performance) and competitive (sports performance) situations in which pairs of musicians and athletes are involved, respectively.

Use of ad-hoc constructed behavioral tasks to assess the efficiency of inhibitory control, combined with electrophysiological (EEG) recordings.

RESEARCH INTERESTS

Study of cognitive control :

- experimental studies (behavioral and electrophysiological);
- meta-analysis on fMRI data (inhibitory control, inhibitory control and impulsivity traits, cultural aspects of inhibitory control).

- Impulsivity;

- Aspects of cooperation and competition (in music and sports activities) associated with cognitive control.

- Recordings of electrophysiological (EEG) signals in hyperscanning.

In Compliance with the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and Process my Personal details contained in this Document. Date 25/10/2022.

Chiara Noferini.

MADRELINGUA	ITALIAN
ANOTHER LANGUAGE	ENGLISH
<ul style="list-style-type: none"> • Reading skills • Writing skills • Oral expression skills 	<p>GOOD</p> <p>GOOD</p> <p>GOOD</p>
DRIVING LICENCES	B