



## Contatti



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# Tiziana Quarto

## Current position

2024 – Current: Associate Professor of General Psychology  
Department of Humanities, University of Foggia, Italy

**2023 – Current:** Coordinator of the Applied Experimental Psychology Lab (AEP lab) at the University of Foggia, Italy;

## Education

**08/06/2018:** PhD in Psychology; Thesis title: “Individual Differences of emotion processing”; Cognitive Brain Research Unit, Department of Psychology and Logopedics, Faculty of Medicine, University of Helsinki, Helsinki (Finland)

PhD Supervisors: Mari Tervaniemi (Main), Elvira Brattico, Alessandro Bertolino

**2018:** National Scientific Habilitation for Associate Professorship in General Psychology, Italian Ministry of Research

**2016:** Clinical Specialization in Psychotherapy  
Istituto di psicoterapia post-razionalista, Bari (Italy)

**2009:** Master’s Degree in Clinical Psychology  
University of Bari (Italy)

**2007:** Bachelor’s Degree in Psychology, University of Bari (Italy)

## Previous Positions

**2021 – 2024:** Tenure-track Researcher and Assistant Professor of General Psychology, Department of Humanities, University of Foggia, Italy

**2020 – 2021:** Scientific staff member and lab coordinator of the Magnetoencephalography lab. Department of Basic Medical Sciences, Neuroscience and Sense Organs, University of Bari

**07/2019 – 06/2020:** Research fellow in the “Early identification of psychiatric risk: longitudinal study of endophenotypes involved in the risk for psychosis and bipolar disorder”, Department of Basic Medical Sciences, Neuroscience and Sense Organs, University of Bari;

**2014 –2019:** post-doctoral fellow in the “Genetic Neuroimaging for Mental Disorders” program. Department of Basic Medical Sciences, Neuroscience and Sense Organs, University of Bari

**2010 –2018:** Research Fellow in the project “Individual differences of emotion processing”. Faculty of Medicine, Cognitive Brain Research Unit, University of Helsinki, Finland

**2008 –2009:** Honorary Research Assistant  
School of Psychology, University of Birmingham, UK – Supervisor: Prof. Humphreys

**01/2009 - 04/2009:** Psychological Internship at the Burberry Hospital, Birmingham, UK - Supervisor: Prof. Hugh Rickards

**2006 – 2010:** Voluntary Research Fellow in “Imaging genetics of cognitive and emotional processes”. Department of Basic Medical Sciences, Neuroscience and Sense Organs, University of Bari

## **Fellowships and awards**

**06/2019:** First prize poster session at the international congress "How the brain makes a difference", for the scientific work: "Mismatch in schizophrenia brains" T. Quarto, G. Pergola, A. Tavella, L. Fazio, G. Tancredi, B. Commisso, G. Blasi, A. Bertolino;

**05/2014 - 06/2019:** Winner of research grants at the Department of Basic Medical Sciences, Neuroscience and Sense Organs, University of Bari "Aldo Moro" (total: 80k euros) for research activity in the context of European consortia of PRONIA and IMAGEMEND for imaging genetics of mental disorders;

**01/2011 - 12/2013:** Fellowships for Doctoral studies from the 3-year grant of the University of Helsinki (project number 490083; URL: <http://www.helsinki.fi/university/>) and by the Academy of Finland (project number: 133673; URL: <http://www.aka.fi/eng>) (total: 50K euros);

**09/2010 - 09/2011:** Winner of the scholarship from the University of Bari for research activities abroad, to be held at the "Institute of Behavioral Science, Cognitive Brain Research Unit, University of Helsinki" (Finland) (12k euros).

**09/2008 - 04/2009:** Winner of the scholarship of the LLP Socrates Erasmus program for the academic year at the "Newman College of Higher Education" (Birmingham, UK).

**02/2008:** First prize poster session at the XII CONGRESS SOPSI, for the scientific work: "Interazione tra polimorfismo Val66Met BDNF e Schizofrenia sull'attività cerebrale durante un compito motorio: uno studio di fMRI" T. Quarto, L. Fazio, R. Romano, A. Di Giorgio, P. Taurisano, L. Lo Bianco, A. Papazacharias, G. Caforio, G. Blasi, M. Nardini, A. Bertolino.

## **Supervision of graduate students, PhD PostDoc students**

**2024 - current:** Supervisor of 1 Ph.D. student in Psychological Well-Being, University of L. Vanvitelli and University of Foggia;

**2024 - Current:** Supervisor of 2 master's thesis in the field of Psychology of Emotions, University of Foggia;

**2020 - 2024:** Supervisor of 60 bachelor thesis in the field of General Psychology, University of Foggia;

**2017 - 2021:** Tutor of 3 experimental thesis in Medical and Pharmaceutical Biotechnologies in the field of cerebral correlates of psychiatric diseases investigated with MEG and fMRI, University of Bari;

**2018 - 2019:** Internship tutor in Clinical Psychology at the Department of Basic Medical Sciences, Neuroscience and Ministero dell'Università e della Ricerca MUR - BANDO 2022 Sense Organs, University of Bari;

**2014 - 2018:** Co-supervisor of 6 master's thesis in Clinical Psychology, University of Bari;

**2010 - 2013:** Supervisor of 5 master thesis in the field of General Psychology, University of Salento

## **Organisation of scientific meetings**

**09/2023:** Member of the Scientific Committee of the XXXV National Congress of the Italian Association of Psychology, Section of Development Psychology, University of Foggia (Italy)

## Teaching activities

**2023 – Current:** Professor of General Psychology”, bachelor’s degree in Psychology, University of Foggia

**2023 – Current:** Professor of Psychology of Emotions”, Master’s degree in Psychology, University of Foggia

**2022 – Current:** Professor of Neuroscience of emotions” for the XXXVII cycle of PhD in “Neuroscience and Education”, Department of Humanities, University of Foggia

**2021 – Current:** Professor of Psychology of persuasion and decision, bachelor’s degree in Forensic Sciences, University of Foggia

**2019 – Current:** Professor of Psychology of cognitive and emotional processes, bachelor’s degree in Forensic Sciences, University of Foggia

## Institutional responsibilities

**2024 – Current:** President of the master’s degree course in School Psychology at the University of Foggia, Italy.

**2023 – Current:** Coordinator of the Applied Experimental Psychology Lab (AEP lab) at the University of Foggia, Italy;

**2023 – Current:** President of the Psychological Committee for the professional internship Department of Humanities, University of Foggia, Italy;

**2023 – Current:** Member of the Quality Board of the Master’s degree Course in Scholastic Psychology. Department of Humanities, University of Foggia, Italy;

**2021 – Current:** Local Referent of the Italian Reproducibility Network (ITRN);

**2021 – Current:** Member of the Ethical Committee for the Research in Psychology, University of Foggia, Italy

## Memberships of scientific societies

**10/2020 – Current:** Member of the Italian Psychological Association (AIP) - experimental section

**10/2020 – Current:** Member of the Italian Society of the Physiological Psychology and Cognitive Neuroscience (SIPF)

**10/2017 – Current:** Member Schizophrenia International Research Society (SIRS)

**09/2021 – Current:** Member of the Italian Reproducibility Network (ITRN), local referent of the network at the University of Foggia

## Major collaborations

**01/2022 – Current:** University Research Project - Horizon Europe (PRA-HE) “The School-Day After Tomorrow: How children’s reading comprehension has been affected by the pandemic emergency”, Learning Science Hub, Department of Humanities, University of Foggia;

**05/2018 – 05/2021:** Participant in the research project of national interest (PRIN) entitled “Dopamine - dysbindin genetic interaction: a multidisciplinary approach to characterize cognitive phenotypes of schizophrenia and develop personalized treatments” as an expert in MEG / EEG and fMRI;

**01/2018 – 06/2020:** Investigator in the European research consortium PRONIA - Personalized Prognostic Tools for Early Psychosis Management (European Community’s Seventh Framework Program; project number 602152; URL:<https://www.pronia.eu/the-project/>);

**07/2014 – 12/2017:** Investigator in the European research consortium IMAGEMEND - Predictive markers for mental illness - (European Community’s Seventh Framework Program; project number 602450; URL: [http://ec.europa.eu/research/health/medical-research/brain-research/projects /imagemend\\_en.html](http://ec.europa.eu/research/health/medical-research/brain-research/projects /imagemend_en.html)).

## Research achievements

- 1: Bonvino A, Palladino P, Limone P, Quarto T. Association between emotion abilities and learning-related cognitive factors on 1055 young healthy. *Lecture Notes in Networks and Systems Springer Nature LNSS Series*. Accepted for publication.
- 2: Bonvino A, Calvio A, Stallone R, Marinelli CV, Quarto T, Petito A, Palladino P, Monacis L. Emotions in Times of Pandemic Crisis among Italian Children: A Systematic Review. *Int J Environ Res Public Health*. 2023 Jun 18;20(12):6168. doi: 10.3390/ijerph20126168. PMID: 37372755; PMCID: PMC10297924.
- 3: Fiorito AM, Aleman A, Blasi G, Bourque J, Cao H, Chan RCK, Chowdury A, Conrod P, Diwadkar VA, Goghari VM, Guinjoan S, Gur RE, Gur RC, Kwon JS, Lieslehto J, Lukow PB, Meyer-Lindenberg A, Modinos G, Quarto T, Spilka MJ, Shivakumar V, Venkatasubramanian G, Villarreal M, Wang Y, Wolf DH, Yun JY, Fakra E, Sescousse G. Are Brain Responses to Emotion a Reliable Endophenotype of Schizophrenia? An Image-Based Functional Magnetic Resonance Imaging Meta-analysis. *Biol Psychiatry*. 2023 Jan 15;93(2):167-177. doi: 10.1016/j.biopsych.2022.06.013. Epub 2022 Jun 22. PMID: 36085080.
- 4: Quarto T, Valt C, Tavella A, Romanelli F, Fazio L, Arcara G, Altamura M, Barrasso G, Bellomo A, Blasi G, Brudaglio F, Carofiglio A, D'Ambrosio E, Padalino FA, Rampino A, Saponaro A, Semisa D, Suma D, Pergola G, Bertolino A. Reduced magnetic mismatch negativity: a shared deficit in psychosis and related risk. *Psychol Med*. 2023 Oct;53(13):6037-6045. doi: 10.1017/S003329172200321X. Epub 2022 Nov 2. PMID: 36321391.
- 5: Quarto T, Lella A, Di Carlo P, Rampino A, Paladini V, Papalino M, Romano R, Fazio L, Marvulli D, Popolizio T, Blasi G, Pergola G, Bertolino A. Heritability of amygdala reactivity to angry faces and its replicable association with the schizophrenia risk locus of miR-137. *J Psychiatry Neurosci*. 2023 Sep 26;48(5): E357-E366. doi: 10.1503/jpn.230013. PMID: 37751917; PMCID: PMC10521919.
- 6: Quarto T, Paparella I, De Tullio D, Viscanti G, Fazio L, Taurisano P, Romano R, Rampino A, Masellis R, Popolizio T, Selvaggi P, Pergola G, Bertolino A, Blasi G. Familial Risk and a Genome-Wide Supported DRD2 Variant for Schizophrenia Predict Lateral Prefrontal-Amygdala Effective Connectivity During Emotion Processing. *Schizophr Bull*. 2018 Jun 6;44(4):834-843. doi: 10.1093/schbul/sbx128. PMID: 28981847; PMCID: PMC6007415.
- 7: Quarto T, Fasano MC, Taurisano P, Fazio L, Antonucci LA, Gelao B, Romano R, Mancini M, Porcelli A, Masellis R, Pallesen KJ, Bertolino A, Blasi G, Brattico E. Interaction between DRD2 variation and sound environment on mood and emotion-related brain activity. *Neuroscience*. 2017 Jan 26;341:9-17. doi: 10.1016/j.neuroscience.2016.11.010. Epub 2016 Nov 17. PMID: 27867061.
- 8: Quarto T, Blasi G, Maddalena C, Viscanti G, Lanciano T, Soleti E, Mangiulli I, Taurisano P, Fazio L, Bertolino A, Curci A. Association between Ability Emotional Intelligence and Left Insula during Social Judgment of Facial Emotions. *PLoS One*. 2016 Feb 9;11(2):e0148621. doi: 10.1371/journal.pone.0148621. PMID: 26859495; PMCID: PMC4747486.
- 9: Quarto T, Blasi G, Pallesen KJ, Bertolino A, Brattico E. Implicit processing of visual emotions is affected by sound-induced affective states and individual affective traits. *PLoS One*. 2014 Jul 29;9(7):e103278. doi: 10.1371/journal.pone.0103278. PMID: 25072162; PMCID: PMC4114563.
- 10: Alnæs D, Kaufmann T, van der Meer D, Córdova-Palomera A, Rokicki J, Moberget T, Bettella F, Agartz I, Barch DM, Bertolino A, Brandt CL, Cervenka S, Djurovic S, Doan NT, Eisenacher S, Fatouros-Bergman H, Flyckt L, Di Giorgio A, Haatveit B, Jönsson EG, Kirsch P, Lund MJ, Meyer-Lindenberg A, Pergola G, Schwarz E, Smeland OB, Quarto T, Zink M, Andreassen OA, Westlye LT; Karolinska Schizophrenia Project Consortium. Brain Heterogeneity in Schizophrenia and Its Association With Polygenic Risk. *JAMA Psychiatry*. 2019 Jul 1;76(7):739-748. doi: 10.1001/jamapsychiatry.2019.0257. PMCID: PMC6583664.