

CURRICULUM VITAE

Carmen Concerto

PROFESSIONAL EXPERIENCE

1 October 2025 – 20 September 2031

Tenure-Track Researcher (RTT) under a fixed-term employment contract at the Department of Clinical and Experimental Medicine, University of Catania, Italy.

1 May 2022 – 30 September 2025

Consultant Psychiatrist, permanent appointment, Unit of Psychiatry, University Hospital “G. Rodolico – San Marco”, Catania, Italy.

16 December 2018 – 2 May 2022

Consultant Psychiatrist, fixed-term appointment, Unit of Psychiatry, University Hospital “G. Rodolico – San Marco”, Catania, Italy.

1 October 2018 – 1 December 2018

Psychiatrist, Lucia Mangano Medical Institute, Via Antonino di Sangiuliano 86, Sant’Agata li Battiati, Catania, Italy.

1 August 2017 – 1 September 2017

Psychiatrist, Villa Erminia S.R.L. Assisted Therapeutic Community, Via Vecchio Pino 16, 95030 Pedara (CT), Italy.

3 July 2017 – 5 December 2018

Psychiatrist, Assisted Therapeutic Community S.R.L., Largo Cappuccini 13, 95094 Vizzini (CT), Italy.

28 April 2016 – 28 October 2017

Research Scholar, School of Health and Medical Sciences (IHSA), Seton Hall University, New Jersey, USA.

EDUCATION AND TRAINING

11 December 2024

English Language Certificate, LanguageCert Level 2 Certificate in ESOL International – Listening, Reading and Writing (Expert C1).

21–24 September 2024

Participant at the 37th International Congress of the European College of Neuropsychopharmacology (ECNP), Milan, Italy.

4–6 September 2024

Clinical TMS Certification Course, Academy of Brain Stimulation, London, United Kingdom.

31 July 2024

Training Certificate: Operational and Technical Applications of the DigiTrack ExG32 EEG System, Catania, Italy.

8 February 2024

Certificate of Participation in the Training Course “Neuronavigation and Transcranial Magnetic Stimulation (TMS)”, Catania, Italy.

20 December 2018

PhD in Neuroscience, awarded following completion of the three-year International PhD Program in Neuroscience, XXXI Cycle, Department of Biomedical and Biotechnological Sciences, University of Catania, Italy.

15 June 2018 – 15 July 2018

Visiting Research Scholar, Department of Medical Sciences, Hackensack Meridian School of Medicine, Nutley, New Jersey, USA.

10–14 July 2017

International Summer School of Neuroscience – *Animal Models of Human Brain Diseases*. International PhD Program in Neuroscience, University of Catania, Noto, Italy.

20–22 March 2016

Winter School on Drug Discovery in Schizophrenia, International Union of Basic and Clinical Pharmacology (IUPHAR), University of Catania, Italy.

25–27 January 2016

Course on *Leadership and Professional Skills Development of Young Psychiatrists*, Department of Psychiatry, University of Basel, Switzerland.

25 July 2015

International TOEFL English Language Certificate.

7–11 July 2015

13th Summer School of Neuroscience – *Cognition, the Target*. International PhD Program in Neuroscience, University of Catania, Italy.

4 June 2015

Specialization in Psychiatry, University of Catania, awarded with a final grade of 70/70 with honours.

7–10 March 2013

European College of Neuropsychopharmacology Workshop on Neuropsychopharmacology for Young Scientists in Europe, Nice, France.

30 November – 1 December 2012

Campus Angelini – *From Kronos to Kairos: The Diagnostic Pathway between Categories and Dimensions*, Rome, Italy.

12 October 2012

Advanced Training Course: “Transcranial Direct Current Stimulation in the Pharmacological Treatment of Depression”, Verona, Italy.

November 2009

Brain Stimulation Course at the Brain Stimulation Laboratory, New York College of Podiatric Medicine, New York City, USA.

29 September 2009

Registration with the Professional Register of Medical Doctors and Dentists of Reggio Calabria, Italy. Registration No. 8536.

27 July 2009

Italian State Qualification to Practice Medicine and Surgery, University of Messina, Italy.

24 March 2009

Degree in Medicine and Surgery, University of Messina, Italy, awarded with a final grade of 110/110 with honours.

July 2001

Classical High School Diploma, Liceo Classico “Tommaso Campanella”, Reggio Calabria, Italy. Final grade: 98/100.

PEER-REVIEWED SCIENTIFIC PUBLICATIONS

1. Chiarenza C, Cavendish BA, Mao D, Zhang Y, La Monica K, Wu GR, De Witte S, Horczak P, Geleyn C, Signorelli MS, **Concerto C**, Razza LB, Baeken C. Novelty seeking and rapid symptom improvement across active and sham accelerated iTBS conditions: A pooled individual-patient data analysis. *J Affect Disord*. 2026 Aug 21;414:122406. doi: 10.1016/j.jad.2026.122406.
2. Di Francesco A, Munafò A, Catania G, Aprile SF, Canonico S, **Concerto C**, Rodolico A, Signorelli MS, Leucht S, Caraci F. Efficacy and tolerability of nutraceuticals and phytotherapies for antipsychotic-induced weight gain in schizophrenia spectrum disorders: Systematic review and meta-analysis. *Pharmacopsychiatry*. 2026 Jul 13. doi: 10.1055/a-2869-0635.
3. Aprile SF, Avanzato C, Alù F, **Concerto C**, Cutrufelli P, Mineo L, Privitera G, Petralia A, Rodolico A, Caraci F, Signorelli MS. The Role of Emotion Dysregulation, Impulsiveness and Rumination in Psychopathology: Evidence from an Italian Sample of Adolescents and Young Adults. *Brain Sci*. 2026 Jun 10;16(6):620. doi: 10.3390/brainsci16060620.
4. Di Francesco A, Cutrufelli P, Chiarenza C, Zambuto L, **Concerto C**, Mineo L, Petralia A, Catalfo M, Rodolico A, Samara M, Leucht S, Caraci F, Signorelli MS. Cannabidiol for the treatment of positive and negative symptoms in schizophrenia spectrum disorders: a systematic review and meta-analysis. *Eur Arch Psychiatry Clin Neurosci*. 2026 Apr 28. doi: 10.1007/s00406-026-02249-3.
5. Ferlito R, Cannistrà F, Giunta S, Pennisi M, **Concerto C**, Signorelli MS, Bella R, Mogavero MP, Ferri R, Lanza G. Anxiety-Related Functional Dizziness: A Systematic Review of the Recent Evidence on Vestibular, Cognitive Behavioral, and Integrative Therapies. *Life (Basel)*. 2026 Jan 18;16(1):159. doi: 10.3390/life16010159.
6. Dell'Osso L, Nardi B, Pini S, Massimetti G, Castellani L, Parri F, Del Grande F, Bonelli C, **Concerto C**, Di Vincenzo M, Della Rocca B, Signorelli MS, Fusar-Poli L, Figini C, Politi P, Aguglia E, Luciano M, Carpita B. Relationships Among Bullying Experiences, Mood Symptoms and Suicidality in Subjects with and Without Autism Spectrum Conditions. *Brain Sci*. 2025 Oct 16;15(10):1114. doi: 10.3390/brainsci15101114.

7. Bella F, Chiarenza C, **Concerto C**. Editorial for Special Issue “Mental Disorder: Focus on Pathogenesis to Treatment”. *Curr Issues Mol Biol*. 2025 Oct 18;47(10):862. doi: 10.3390/cimb47100862.
8. **Concerto C**, Bella F, Chiarenza C, Rodolico A, Di Francesco A, Ciano A, Lanzafame S, Spigarelli R, Mineo L, Petralia A, Ferri R, Libra M, Bella R, Pennisi M, Lanza G, Signorelli MS. Antidepressant and Related Neurobiological and Neurophysiological Effects of Add-On Transcranial Direct Current Stimulation in Major Depressive Disorder with Residual Symptoms: A Randomized, Double-Blind Clinical Trial Protocol. *Methods Protoc*. 2025 Oct 2;8(5):117. doi: 10.3390/mps8050117.
9. **Concerto C**, Bella F, Chiarenza C, White I, Micieli R, Madonia S, Lanzafame S, Spigarelli R, Pagano V, Cutuli C, Brogna F, Caponnetto P, Rodolico A, Signorelli MS, Petralia A. High-frequency rTMS as a first-line treatment for gambling disorder – A case report. *Addict Behav Rep*. 2025 Aug 5;22:100627. doi: 10.1016/j.abrep.2025.100627.
10. Caponnetto P, Triscari S, Prezzavento GC, Farrugio G, Farrauto C, Lanzafame S, Schilirò G, Uccelli E, Vitale NM, Fakhrou A, Nagi K, **Concerto C**. Exploring the Psychological Side of Fentanyl: A Scoping Review to Disclose the Psychosocial Dimensions of Illicitly Manufactured Fentanyl Users. *Health Psychol Res*. 2024 Sep 21;12:120958. doi: 10.52965/001c.120958.
11. Rodolico A, Di Francesco A, Cutrufelli P, Bighelli I, Caponnetto P, **Concerto C**, Conti D, Furnari R, Leotta G, Mineo L, Messina A, Müller K, Petralia A, Quattropiani MC, Sifas S, Leucht S, Signorelli MS. Developing STEP-SE: A Qualitative Usability Study of a Novel Patient-Reported Outcomes Tool for Managing Side Effects in Shared Decision-Making for Schizophrenia Spectrum Disorder Care. *Health Expect*. 2024 Dec;27(6). doi: 10.1111/hex.70019.
12. Rodolico A, Cutrufelli P, Maccarone G, Avincola G, **Concerto C**, Cunsolo AL, Di Francesco A, Furnari R, Mineo L, Salerno F, Scuto V, Tona I, Petralia A, Signorelli MS. Exploring Patient Empowerment in Major Depressive Disorder: Correlations of Trust, Active Role in Shared Decision-Making, and Symptomatology in a Sample of Italian Patients. *J Clin Med*. 2024 Oct 21;13(20):6282. doi: 10.3390/jcm13206282.
13. **Concerto C**, Lanza G, Rodolico A. The Fascinating Link between Psychedelics and Neuroplasticity. *J Integr Neurosci*. 2024 Sep 23;23(9):177. doi: 10.31083/j.jin2309177.
14. Rodolico A, Aprile SF, Cutrufelli P, Privitera G, Castellano S, **Concerto C**, Furnari R, Guerrera CS, Mineo L, Platania GA, Petralia A, Caraci F, Signorelli MS. Disability and Adverse Effects of Oral Versus Long-Acting Injectable Antipsychotics in Schizophrenia-Spectrum and Bipolar Disorder: A Comparison Based on Data-Driven Taxonomy. *Clin Drug Investig*. 2024 Sep;44(9):715-727. doi: 10.1007/s40261-024-01391-x.
15. Rodolico A, La Rosa VL, Romaniello C, **Concerto C**, Meo V, Saitta G, Sturiale S, Signorelli MS, Wang R, Solhkhah R, Phalen C, Kelson M, Eugenio A, Terlecky SR, Thomas FP, Battaglia F. Personality dimensions, depression, and eating behavior in individuals seeking bariatric surgery: a cluster analysis. *Front Nutr*. 2024 Aug 13;11:1429906. doi: 10.3389/fnut.2024.1429906.
16. Fisicaro F, Lanza G, **Concerto C**, Rodolico A, Di Napoli M, Mansueto G, Cortese K, Mogavero MP, Ferri R, Bella R, Pennisi M. COVID-19 and Mental Health: A “Pandemic Within a Pandemic”. *Adv Exp Med Biol*. 2024;1458:1-18. doi: 10.1007/978-3-031-61943-4_1.
17. Mazzarotto F, Monteleone P, Minelli A, Mattevi S, Cascino G, Rocca P, Rossi A, Bertolino A, Aguglia E, Altamura C, Amore M, Bellomo A, Bucci P, Collantoni E, Dell'Osso L, Di Fabio F, Fagiolini A, Giuliani L, Marchesi C, Martinotti G, Montemagni C, Pinna F, Pompili M, Rampino A, Roncone R, Siracusano A, Vita A, Zeppegno P, Galderisi S, Gennarelli M, Maj M; **Italian Network for Research on Psychoses**. Genetic determinants of coping, resilience and self-esteem in schizophrenia suggest a primary role for social

- factors and hippocampal neurogenesis. *Psychiatry Res.* 2024 Oct;340:116107. doi: 10.1016/j.psychres.2024.116107.
18. Pennisi M, Cantone M, Cappellani F, **Concerto C**, Ferri R, Godos J, Grosso G, Lanza G, Rodolico A, Torrisi G, Al-Qahtani WH, Fiscaro F, Bella R. Combined Effect of Red Wine and Mocha Pot Coffee in Mild Vascular Cognitive Impairment. *Exp Gerontol.* 2024 Sep;194:112498. doi: 10.1016/j.exger.2024.112498.
 19. Salanti G, Peter NL, Tonia T, Holloway A, Darwish L, Kessler RC, White I, Vigod SN, Egger M, Haas AD, Fazel S, Herrman H, Kieling C, Patel V, Li T, Cuijpers P, Cipriani A, Furukawa TA, Leucht S; **MHCOVID Crowd Investigators**. Changes in the prevalence of mental health problems during the first year of the pandemic: a systematic review and dose-response meta-analysis. *BMJ Ment Health.* 2024 Jun 13;27(1). doi: 10.1136/bmjment-2024-301018.
 20. Lanza G, Salemi M, Mogavero MP, Catania V, Galeano A, Garifoli A, Lanuzza B, Morreale M, Tripodi M, Cantone M, Cappellani F, **Concerto C**, Rodolico A, Pennisi M, Bella R, Ferri R. Targeting the adenosinergic system in restless legs syndrome: A pilot, “proof-of-concept” placebo-controlled TMS-based protocol. *PLoS One.* 2024 May 10;19(5). doi: 10.1371/journal.pone.0302829.
 21. Carmassi C, Tosato S, Pedrinelli V, Bertelloni CA, Abbate-Daga G, Albert U, Castellini G, Luciano M, Menchetti M, Pompili M, Sampogna G, Signorelli M, Massimetti G; **PsyCOVID Group**; Fiorillo A. Longitudinal trajectories of anxiety and depression in subjects with different mental disorders after one year in the COVID-19 pandemic. *Psychiatry Res.* 2024 Apr;334:115680. doi: 10.1016/j.psychres.2023.115680.
 22. Rodolico A, Cutrufelli P, Di Francesco A, Aguglia A, Catania G, **Concerto C**, Cuomo A, Fagiolini A, Lanza G, Mineo L, Natale A, Rapisarda L, Petralia A, Signorelli MS, Aguglia E. Efficacy and safety of ketamine and esketamine for unipolar and bipolar depression: an overview of systematic reviews with meta-analysis. *Front Psychiatry.* 2024 Feb 1;15:1325399. doi: 10.3389/fpsy.2024.1325399.
 23. **Concerto C**, Aguglia A, Battaglia F. Editorial: New trends in the treatment of mood disorders. *Front Psychol.* 2024 Jan 9;14:1357198. doi: 10.3389/fpsyg.2023.1357198. PMID: 38264419; PMCID: PMC10803522.
 24. **Concerto C**, Signorelli MS, Chiarenza C, Ciancio A, Francesco AD, Mineo L, Rodolico A, Torrisi G, Caponnetto P, Pennisi M, Lanza G, Petralia A. Transcranial Magnetic Stimulation for the Treatment of Gambling Disorder: A Systematic Review. *J Integr Neurosci.* 2023 Nov 21;22(6):164. doi: 10.31083/j.jin2206164.
 25. Caponnetto P, Signorelli MS, Tiralongo J, Rodolico A, **Concerto C**, Petralia A, Inguscio L. PERCEPTIONS AND EXPERIENCES OF M-HEALTH TECHNOLOGIES AND SOCIAL MEDIA: A QUALITATIVE STUDY IN PATIENTS WITH SCHIZOPHRENIA. *Health Psychol Res.* 2023 Dec 9;11:89721. doi: 10.52965/001c.89721.
 26. Rodolico A, Cutrufelli P, Brondino N, Caponnetto P, Catania G, **Concerto C**, Fusar-Poli L, Mineo L, Sturiale S, Signorelli MS, Petralia A. Mental Pain Correlates with Mind Wandering, Self-Reflection, and Insight in Individuals with Psychotic Disorders: A Cross-Sectional Study. *Brain Sci.* 2023 Nov 7;13(11):1557. doi: 10.3390/brainsci13111557.
 27. Ciancio A, Moretti MC, Natale A, Rodolico A, Signorelli MS, Petralia A, Altamura M, Bellomo A, Zanghì A, D'Amico E, Avolio C, **Concerto C**. Personality Traits and Fatigue in Multiple Sclerosis: A Narrative Review. *J Clin Med.* 2023 Jul 6;12(13):4518. doi: 10.3390/jcm12134518.
 28. Fusar-Poli L, Rodolico A, Martinez M, Fichera C, Lin BD, Basadonne I, **Concerto C**, Aguglia E, Guloksuz S, Signorelli MS. The association between polygenic risk scores for mental disorders and social cognition: A scoping review. *J Psychiatr Res.* 2023 Aug;164:389-401. doi: 10.1016/j.jpsychires.2023.06.029.

29. **Concerto C**, Rodolico A, Mineo L, Ciancio A, Marano L, Romano CB, Scavo EV, Spigarelli R, Fusar-Poli L, Furnari R, Petralia A, Signorelli MS. Exploring Personal Recovery in Schizophrenia: The Role of Mentalization. *J Clin Med*. 2023 Jun 16;12(12):4090. doi: 10.3390/jcm12124090.
30. Messina A, **Concerto C**, Rodolico A, Petralia A, Caraci F, Signorelli MS. Is It Time for a Paradigm Shift in the Treatment of Schizophrenia? The Use of Inflammation-Reducing and Neuroprotective Drugs—A Review. *Brain Sci*. 2023 Jun 15;13(6):957. doi: 10.3390/brainsci13060957.
31. Maglia M, Signorelli MS, Petralia A, Verduzzo I, **Concerto C**, Rodolico A, Di Piazza J, Caponnetto P. A Clinical Psychological View about Delusional Characterizations in Subjects with Schizophrenia Spectrum Disorder during the COVID-19 Period. *J Clin Med*. 2023 Apr 4;12(7):2698. doi: 10.3390/jcm12072698.
32. Nicoletti VG, Fisicaro F, Aguglia E, Bella R, Calcagno D, Cantone M, **Concerto C**, Ferri R, Mineo L, Pennisi G, Ricceri R, Rodolico A, Saitta G, Torrisi G, Lanza G, Pennisi M. Challenging the Pleiotropic Effects of Repetitive Transcranial Magnetic Stimulation in Patients with Geriatric Depression: A Pilot Multimodal Approach. *Biomedicines*. 2023 Mar 21;11(3):958. doi: 10.3390/biomedicines11030958.
33. **Concerto C**, Chiarenza C, Di Francesco A, Natale A, Privitera I, Rodolico A, Trovato A, Aguglia A, Fisicaro F, Pennisi M, Bella R, Petralia A, Signorelli MS, Lanza G. Neurobiology and Applications of Inositol in Psychiatry: Narrative Review. *Curr Issues Mol Biol*. 2023 Feb 20;45(2):1762-1778. doi: 10.3390/cimb45020113.
34. Roncone R, Giusti L, Bianchini V, Casacchia M, Carpiello B, Aguglia E, Altamura M, Barlati S, Bellomo A, Bucci P, Cascino G, **Concerto C**, Fagiolini A, Marchesi C, Monteleone AM, Pinna F, Siracusano A, Galderisi S. Family functioning and personal growth in Italian caregivers living with a family member affected by schizophrenia: results of an add-on study of the Italian Network for Research on Psychoses. *Front Psychiatry*. 2023 Jan 13;13:1042657. doi: 10.3389/fpsyt.2022.1042657.
35. **Concerto C**, Rodolico A, La Rosa VL, Aiello B, Martinez M, Stuto S, Infortuna C, Fusar-Poli L, Signorelli MS, Commodari E, Battaglia F, Aguglia E. Flourishing or Languishing? Predictors of Positive Mental Health in Medical Students during the COVID-19 Pandemic. *International Journal of Environmental Research and Public Health*. doi: 10.3390/ijerph192315814.
36. Salanti G, Peter N, Tonia T, Holloway A, White IR, Darwish L, Low N, Egger M, Haas AD, Fazel S, Kessler RC, Herrman H, Kieling C, De Quervain DJF, Vigod S, Patel V, Li T, Cuijpers P, Cipriani A, Furukawa TA, Leucht S, and the **MHCOVID Crowd Investigators**. The impact of the COVID-19 pandemic and associated control measures on the mental health of the general population: a systematic review and dose-response meta-analysis. *Ann Intern Med*. 2022 Oct 18;M22-1507. doi: 10.7326/M22-1507.
37. **Concerto C**, Rodolico A, Meo V, Chiappetta D, Bonelli M, Mineo L, Saitta G, Stuto S, Signorelli MS, Petralia A, Lanza G, Aguglia E. A Systematic Review on the Effect of Nutraceuticals on Antidepressant-Induced Sexual Dysfunctions: From Basic Principles to Clinical Applications. *Curr Issues Mol Biol*. 2022 Jul 25;44(8):3335-3350. doi: 10.3390/cimb44080230.
38. Rodolico A, **Concerto C**, Ciancio A, Sifas S, Fusar-Poli L, Romano CB, Scavo EV, Petralia A, Salomone S, Signorelli MS, Leucht S, Aguglia E. Validation of the Glasgow Antipsychotic Side-Effect Scale (GASS) in an Italian Sample of Patients with Stable Schizophrenia and Bipolar Spectrum Disorders. *Brain Sci*. 2022 Jul 7;12(7):891. doi: 10.3390/brainsci12070891.
39. **Concerto C**, Lanza G, Fisicaro F, Pennisi M, Rodolico A, Torrisi G, Bella R, Aguglia E. Repetitive transcranial magnetic stimulation for post-traumatic stress disorder: Lights and

- shadows. *World J Clin Cases*. 2022 Jun 16;10(17):5929-5933. doi: 10.12998/wjcc.v10.i17.5929.
40. Mineo L, Rodolico A, Spedicato GA, Aguglia A, Bolognesi S, **Concerto C**, Cuomo A, Goracci A, Maina G, Fagiolini A, Amore M, Aguglia E. Exploration of mood spectrum symptoms during a major depressive episode: The impact of contrapolarity—Results from a transdiagnostic cluster analysis on an Italian sample of unipolar and bipolar patients. *Eur Psychiatry*. 2022 May 31;65(1). doi: 10.1192/j.eurpsy.2022.20.
 41. **Concerto C**, Rodolico A, Sturiale S, Caligiore G, Signorelli MS, Petralia A, Battaglia F, Aguglia E. Prevalence and factors associated with PTSD-like symptoms linked to the COVID-19 pandemic among patients with Major Depressive Disorders seeking emergency care. *J Nerv Ment Dis*. 2022 Apr 1;210(4):246-248. doi: 10.1097/NMD.0000000000001468.
 42. Natale A, **Concerto C**, Rodolico A, Birgillito A, Bonelli M, Martinez M, Signorelli MS, Petralia A, Infortuna C, Battaglia F, Aguglia E. Risk Perception among Psychiatric Patients during the COVID-19 Pandemic. *Int J Environ Res Public Health*. 2022 Feb 24;19(5):2620. doi: 10.3390/ijerph19052620.
 43. Rodolico A, Bighelli I, Avanzato C, **Concerto C**, Cutrufelli P, Mineo L, Schneider-Thoma J, Sifakis S, Signorelli MS, Wu H, Wang D, Furukawa TA, Pitschel-Walz G, Aguglia E, Leucht S. Family interventions for relapse prevention in schizophrenia: systematic review and network meta-analysis. *Lancet Psychiatry*. 2022 Mar;9(3):211-221. doi: 10.1016/S2215-0366(21)00437-5.
 44. Gennarelli M, Monteleone P, Minelli A, Monteleone AM, Rossi A, Rocca P, Bertolino A, Aguglia E, Amore M, Bellino S, Bellomo A, Biondi M, Bucci P, Carpiniello B, Cascino G, Cuomo A, Dell’Osso L, Di Giannantonio M, Giordano GM, Marchesi C, Oldani L, Pompili M, Roncone R, Rossi R, Siracusano A, Tenconi E, Vita A, Zeppegno P, Galderisi S, Maj M, et al., including **Concerto C**. Genome-wide association study detected novel susceptibility genes for social cognition impairment in people with schizophrenia. *World J Biol Psychiatry*. 2022 Jan;23(1):46-54. doi: 10.1080/15622975.2021.1907722.
 45. **Concerto C**, Rodolico A, Ciancio A, Messina C, Natale A, Mineo L, Battaglia F, Aguglia E. Vitamin D and depressive symptoms in adults with Multiple Sclerosis: a scoping review. *Int J Environ Res Public Health*. 2021 Dec 25;19(1):199. doi: 10.3390/ijerph19010199.
 46. Aguglia A, Fusar-Poli L, Amerio A, **Concerto C**, Martinotti G, Carrà G, Bartoli F, D’Agostino A, Serafini G, Amore M, Aguglia E, Ostuzzi G, Barbui C; STAR Network Investigators. The role of attitudes toward medication and treatment adherence in the clinical response to LAIs: Findings from the STAR Network Depot Study. *Front Psychiatry*. 2021 Dec 16;12:784366. doi: 10.3389/fpsy.2021.784366.
 47. Rocca P, Brasso C, Montemagni C, Bellino S, Rossi A, Bertolino B, Gibertoni D, Aguglia E, Amore M, Andriola I, Bellomo A, Bucci P, Buzzanca A, Carpiniello B, Cuomo A, Dell’Osso L, Favaro A, Giordano GM, Marchesi C, Monteleone P, Oldani L, Pompili M, Roncone R, Rossi R, Siracusano A, Vita A, Zeppegno P, Galderisi S, Maj M; **Italian Network for Research on Psychoses**. Accuracy of self-assessment of real-life functioning in schizophrenia. *NPJ Schizophr*. 2021 Feb 15;7(1):11. doi: 10.1038/s41537-021-00140-9.
 48. **Concerto C**, Rodolico A, Avanzato C, Fusar-Poli L, Signorelli MS, Battaglia F, Aguglia A. Autistic Traits and Attention-Deficit Hyperactivity Disorder Symptoms Predict the Severity of Internet Gaming Disorder in an Italian Adult Population. *Brain Sci*. 2021 Jun 11;11(6):774. doi: 10.3390/brainsci11060774.
 49. Mineo L, Rodolico A, **Concerto C**, Natale A, Tusconi M, Aguglia A, Amerio A, Serafini G, Amore M, Aguglia E. Mixed Depression: A Survey on Psychopathological, Diagnostic and Therapeutic Approach Among a Sample of Italian Psychiatrists. *Clinical Practice and Epidemiology in Mental Health*. 2021;17(1):331-341. doi: 10.2174/1745017902117010331.
 50. Mineo L, Rodolico A, Spedicato G, Aguglia A, Bolognesi S, **Concerto C**, Cuomo A, Goracci A, Serafini G, Maina G, Fagiolini A, Amore M, Aguglia E. Which Mixed

- Depression model? A comparison between DSM-5-defined mixed features and Koukopoulos'. *Bipolar Disord*. 2022 Aug;24(5):530-538. doi: 10.1111/bdi.13166.
51. Dell'Osso L, Carpita B, Cremone IM, Gesi C, D'Ermo A, De Iorio G, Massimetti G, Aguglia E, Bucci P, Carpiello B, Fagiolini A, Roncone R, Siracusano A, Vita A, Carmassi C, Maj M; **Italian Network for Research on Psychoses**. Autism spectrum in patients with schizophrenia: correlations with real-life functioning, resilience, and coping styles. *CNS Spectr*. 2021 Apr 12;1-11. doi: 10.1017/S1092852921000353.
 52. Rodolico A, Vaccino N, Riso MC, **Concerto C**, Aguglia E, Signorelli MS. Prevalence of Post-Traumatic Stress Disorder Among Asylum Seekers in Italy: A Population-Based Survey in Sicily. *J Immigr Minor Health*. 2020 Jun;22(3):634-638. doi: 10.1007/s10903-019-00948-9.
 53. **Concerto C**, Infortuna C, Muscatello MR, Bruno A, Zoccali R, Chusid E, Aguglia A, Battaglia F. Exploring the effect of adaptogenic Rhodiola Rosea extract on neuroplasticity in humans. *Complement Ther Med*. 2018 Dec;41:141-146. doi: 10.1016/j.ctim.2018.09.013.
 54. Mineo L, Fetterman A, **Concerto C**, Warren M, Infortuna C, Freedberg D, Chusid E, Aguglia E, Battaglia F. Motor facilitation during observation of implied motion: Evidence for a role of the left dorsolateral prefrontal cortex. *Int J Psychophysiol*. 2018 Jun;128:47-51. doi: 10.1016/j.ijpsycho.2018.04.004.
 55. Mineo L, **Concerto C**, Patel D, Mayorga T, Chusid E, Infortuna C, Aguglia E, Sarraf Y, Battaglia F. Modulation of sensorimotor circuits during retrieval of negative Autobiographical Memories: Exploring the impact of personality dimensions. *Neuropsychologia*. 2018 Feb;110:190-196. doi: 10.1016/j.neuropsychologia.2017.04.016.
 56. **Concerto C**, Boo H, Hu C, Sandilya P, Krish A, Chusid E, Coira D, Aguglia E, Battaglia F. Hypericum perforatum extract modulates cortical plasticity in humans. *Psychopharmacology (Berl)*. 2018 Jan;235(1):145-153. doi: 10.1007/s00213-017-4751-1.
 57. **Concerto C**, Conti C, Muscatello MR, Signorelli MS, Zoccali R, Coira D, Aguglia E, Battaglia F. Sleep Quality, Perceived Stress, and Caffeinated Drinks Intake in Psychiatry Residents: A Cross-Sectional Study. *J Caffeine Res*. 2017 Mar 1;7(1):18-22. doi: 10.1089/jcr.2016.0014.
 58. Mineo L, **Concerto C**, Patel D, Mayorga T, Paula M, Chusid E, Aguglia E, Battaglia F. Valeriana officinalis Root Extract Modulates Cortical Excitatory Circuits in Humans. *Neuropsychobiology*. 2017;75(1):46-51. doi: 10.1159/000480053.
 59. **Concerto C**, Infortuna C, Chusid E, Coira D, Babayev J, Metwaky R, Naenifard H, Aguglia E, Battaglia F. Caffeinated energy drink intake modulates motor circuits at rest, before and after a movement. *Physiol Behav*. 2017 Oct 1;179:361-368. doi: 10.1016/j.physbeh.2017.07.013.
 60. **Concerto C**, Babayev B, Mahmoud R, Rafiq B, Chusid E, Aguglia E, Coira D, Battaglia F. Modulation of prefrontal cortex with anodal tDCS prevents Post-Exercise Facilitation interference during Dual Task. *Somatosens Mot Res*. 2017 Jun;34(2):80-84. doi: 10.1080/08990220.2017.1292238.
 61. **Concerto C**, Infortuna C, Mineo L, Freedberg D, Chusid E, Aguglia E, Battaglia F. Observation of implied motion in a work of art modulates cortical connectivity and plasticity. *J Exerc Rehabil*. 2016 Oct 31;12(5):417-423. doi: 10.12965/jer.1632656.328.
 62. **Concerto C**, Amer B, Abagyan A, Cao Y, Infortuna C, Chusid E, Coira D, Battaglia F. Influence of dual-task on postexercise facilitation: a transcranial magnetic stimulation study. *J Exerc Rehabil*. 2016 Jun 30;12(3):171-175. doi: 10.12965/jer.1632628.314.
 63. **Concerto C**, Patel D, Infortuna C, Chusid E, Muscatello MR, Bruno A, Zoccali R, Aguglia E, Battaglia F. Academic stress disrupts cortical plasticity in graduate students. *Stress*. 2017 Mar;20(2):212-216. doi: 10.1080/10253890.2017.1301424.

64. **Concerto C**, Al Sawah M, Chusid E, Trepal M, Taylor G, Aguglia E, Battaglia F. Anodal transcranial direct current stimulation for chronic pain in the elderly: a pilot study. *Aging Clin Exp Res*. 2016 Apr;28(2):231-237. doi: 10.1007/s40520-015-0409-1.
65. **Concerto C**, Lanza G, Cantone MG, Ferri R, Pennisi G, Bella R, Aguglia E. Repetitive transcranial magnetic stimulation in patients with drug-resistant major depression: a six-month clinical follow-up study. *Int J Psychiatry Clin Pract*. 2015;19(4):252-258. doi: 10.3109/13651501.2015.1084329.
66. Al Sawah M, Ruffin N, Rimawi M, **Concerto C**, Aguglia E, Chusid E, Battaglia F. Perceived stress, coffee and energy drinks consumption predict poor sleep quality in podiatric medical students: a cross-sectional study. *J Am Podiatr Med Assoc*. 2015 Sep;105(5):429-434. doi: 10.7547/14-082.
67. Signorelli MS, **Concerto C**, Battaglia E, Costanzo MC, Battaglia F, Aguglia E. Venlafaxine augmentation with agomelatine in a patient with obsessive-compulsive disorder and suicidal behaviors. *SAGE Open Med Case Rep*. 2014 Dec 4;2:2050313X14561778. doi: 10.1177/2050313X14561778.
68. **Concerto C**, Al Sawah M, Infortuna C, Freedberg D, Chusid E, Aguglia E, Battaglia F. Neural circuits underlying motor facilitation during observation of implied motion. *Somatosens Mot Res*. 2015;32(4):207-210. doi: 10.3109/08990220.2015.1048329.
69. Al Sawah M, Rimawi M, **Concerto C**, Amer B, Cao Y, D'Antoni AV, Chusid E, Battaglia F. Symmetric corticospinal excitability and representation of vastus lateralis muscle in right-handed healthy subjects. *Clin Anat*. 2014 Oct;27(7):1053-1057. doi: 10.1002/ca.22438.

ORGANIZATION OF AND PARTICIPATION AS INVITED SPEAKER IN NATIONAL AND INTERNATIONAL SCIENTIFIC CONFERENCES

1. Poster presentation NR1-71 entitled “Sleep Disturbances and Perceived Stress in Italian Psychiatry Residents: A Cross-Sectional Study” at the international congress “167th American Psychiatric Association Annual Meeting. Changing the Practice and Perception of Psychiatry”, Javits Convention Center, New York, USA, 3–7 May 2014.
2. Scientific Coordinator of the XXV National Congress of the Italian Society of Psychopathology (SOPSI), “Resilience, Frontiers, Telepsychiatry”. President: Prof. Eugenio Aguglia. Live Virtual Edition. Organized by AIM Group International, Rome, Italy, 24–27 February 2021.
3. Invited Speaker at the Congress “Depression, an Illness of the Soul: New Therapeutic Strategies”, organized by Cityn S.r.l., Catania, Italy. Presentation: “Acute and Long-Term Efficacy of Antidepressant Drugs: Combinations, Interactions and Switching Strategies”, 24 September 2021.
4. Member of the Scientific Secretariat of the Congress “Languishing and Flourishing: Their Role in Affective and Psychotic Disorders”. President: Prof. Eugenio Aguglia. Organized by Cityn S.r.l., Aci Castello (CT), Italy, 18–20 November 2021.
5. Invited Speaker at the Congress “Depression and Multimorbidity”, organized by Magna Graecia University of Catanzaro, provider Xenia S.r.l., Catanzaro, Italy. Presentation: “The Complexity of Depression and Its Unmet Needs”, 3 December 2021.
6. Invited Speaker at the Congress “Psychiatry Meets the Emergency Department: Models, Good Practices and New Needs”, organized by Omnia Congress S.r.l., Catania, Italy. Presentation: “Psychiatric Emergencies and the Emergency Department: A Difficult Coexistence”, 10 December 2021.
7. Invited Speaker at the symposium “The Potential of TMS in Psychiatry” during the XXIII National Congress of the Italian Society of Neuropsychopharmacology (SINPF), “Restarting after the Storm: The Role of Neuropsychopharmacology, Research and Technological

- Innovation”, organized by More Comunicazione, Rome, Italy. Virtual Congress. Presentation: “Long-Term Treatment of Major Depression with TMS”, 27 January 2022.
8. Invited Speaker at the symposium “Recovery in Schizophrenia: Integrative Approaches to Pharmacotherapy” during the XXVI National Congress of the Italian Society of Psychopathology (SOPSI), “Vulnerability, Resources, Change”, organized by AIM Group International, Rome, Italy. Presentation: “The Role of Antipsychotic Side Effects in Perceived Recovery and Quality of Life in Patients with Major Psychotic Disorders: The APSyde Project”, 23 June 2022.
 9. Invited Speaker at the XI Congress of the Italian Society of General Medicine (SIMG), Catania, “New Frontiers in General Medicine: Innovative Management between the COVID-19 Pandemic and Chronic Disease”, organized by MAYA Idee, Italy. Presentation: “Treatment of Psychiatric Disorders: Focus on Anxiety and Sleep Disorders”, 24 September 2022.
 10. Invited Speaker at the educational event “Giocando... Fate il Nostro Gioco”, organized by the Sardinia GAP Plan – Department of Mental Health and Addictions – ASL Cagliari, Italy. Presentation: “Gambling Disorder and Psychiatric Comorbidity”, 5 October 2022.
 11. Invited Speaker at the symposium “Help-Seeking and First-Episode Psychosis: Unmet Needs” during the XXVII National Congress of the Italian Society of Psychopathology (SOPSI), “Intersubjectivity, Prevention, Personalization”, organized by AIM Group International, Rome, Italy. Presentation: “Individual and Environmental Risk Factors in the Onset of Psychosis”, 24 February 2023.
 12. Invited Speaker at the XII Congress of the Italian Society of General Medicine (SIMG), Catania, “Advanced Therapies, Opportunities and Challenges for Third-Millennium Medicine”, organized by MAYA Idee, Italy. Presentation: “Anxiety-Depressive Syndrome and Gender Medicine. Treatment of Psychiatric Disorders: Focus on Anxiety and Sleep Disorders”, 14 October 2023.
 13. Invited Speaker at the Annual Meeting on Addiction “Health Empowerment by Harm Reduction”, organized by the University of Catania, Department of Educational Sciences, Postgraduate School of Clinical Psychology, Catania, Italy. Presentation: “Transcranial Magnetic Stimulation as a Potential Treatment for Gambling Disorder”, 29 October 2024.
 14. Invited Speaker at the Congress “A Multidisciplinary Approach to the Management of Depression”, organized by the Red Cross Association, Acireale (CT), Italy. Presentation: “Transcranial Magnetic Stimulation: New Frontiers in the Treatment of Depression”, 18 October 2025.
 15. Invited Speaker at the event “Innovation in Antipsychotic Treatment: Focus on Partial Agonists, Brexpiprazole and the Role of Long-Acting Injectables”, organized by Lingomed, Catania, Italy. Presentation: “Comparing Clinical Experiences: The Impact of Brexpiprazole Treatment on Quality of Life in Patients with Schizophrenia”, 4 December 2025.
 16. Invited Speaker at the 10th Edition of “Contemporary Psychiatry: Changes, Critical Issues, Clinical Innovation and New Perspectives”, organized by Arteventi S.r.l., Italy. Presentation: “Behavioural Addictions: Gambling Disorder, Internet Addiction and Social Media”, 12 December 2025.
 17. Opinion Leader at the 3rd Multidisciplinary Meeting “Update in Medicine and Surgery: From Technological Innovations to Artificial Intelligence”, organized by Fullcongress, University Hospital “Gaspere Rodolico – San Marco”, Catania, Italy, 20 March 2026.
 18. Member of the Local Organizing Committee of the “7th European Conference on Brain Stimulation in Mental Health”. President: Prof. Giordano D’Urso. Theme: “New Frontiers in Brain Stimulation Practice across the Lifespan”, Naples, Italy, 15–17 October 2026.

LEADERSHIP OF AND PARTICIPATION IN RESEARCH GROUPS WITH NATIONAL AND INTERNATIONAL COLLABORATIONS

1. Sub-Investigator in Study 039DT11245A at the Unit of Psychiatry, Policlinico “G. Rodolico”, University of Catania. Phase III, multicentre, randomized, double-blind study evaluating the efficacy and safety of Trazodone HCl Contramid (OAD) and Venlafaxine XR in adults with Major Depressive Disorder. Sponsor: ACRAF S.p.A. – Aziende Chimiche Riunite Angelini Francesco S.p.A.
1 November 2012 – 1 November 2013.
2. Research activities at the Department of Interprofessional Health Sciences and Health Administration, School of Health and Medical Sciences, Seton Hall University, New Jersey, USA, with international collaborations in the fields of neuromodulation and psychiatric disorders. Research Scholar and Visiting Professor Certificate.
1 February 2014 – 26 April 2015.
3. International PhD Program in Neuroscience at the Department of Clinical and Experimental Medicine, University of Catania, Italy (Supervisor: Prof. E. Aguglia), and at the Department of Interprofessional Health Sciences and Health Administration, School of Health and Medical Sciences, Seton Hall University, New Jersey, USA (Supervisor: Prof. F. Battaglia). PhD awarded on 20 December 2018. Thesis title: “Modulation of neuroplasticity in humans after acute intake of antidepressant, anxiolytic and adaptogenic herbs”.
2 November 2015 – 20 December 2018.
4. Research activities at the Brain Stimulation Laboratory, Department of Interprofessional Health Sciences and Health Administration, School of Health and Medical Sciences, Seton Hall University, New Jersey, USA, in the fields of pharmaco-TMS, depressive disorders, and anxiety disorders, resulting in publications in internationally relevant scientific journals. Visiting Researcher Certification.
28 April 2016 – 28 October 2017.
5. Visiting Research Scholar, Department of Medical Sciences, Hackensack Meridian School of Medicine, Nutley, New Jersey, USA. Certificate of participation in research activities.
15 June 2018 – 15 July 2018.
6. Research collaboration with the Department of Psychiatry and Psychotherapy, School of Medicine, Technical University of Munich, Munich, Germany.
1 January 2021 – present.
7. Research collaborations with national and international groups, including the Italian Network for Research on Psychoses (NIRP) and Seton Hall University, New Jersey, USA.
1 January 2021 – present.
8. Research activities as part of the STAR Network Investigators. The research group produced the publication entitled “The role of attitudes toward medication and treatment adherence in the clinical response to LAIs: Findings from the STAR Network Depot Study”.
1 January 2021 – 1 December 2021.
9. Participation in the international MHCOVID – Mental Health COVID project (The MHCOVID Crowd Investigators), led by Prof. Georgia Salanti. The research group produced the publication entitled “The Impact of the COVID-19 Pandemic and Associated Control Measures on the Mental Health of the General Population: A Systematic Review and Dose-Response Meta-analysis”.
1 March 2021 – 1 November 2022.
10. Sub-Investigator in the study “Risk of Problem Gambling in the Psychiatric Population and the Role of Attachment Styles, Impulsivity and Emotion Dysregulation: Cross-Sectional Observational Study / GAP / 2024” at the Unit of Psychiatry, Policlinico “G. Rodolico”, University of Catania.
5 April 2024 – present.

EDITORIAL BOARDS, EDITORIAL COMMITTEES AND ACADEMIC JOURNAL ACTIVITIES

1. Guest Editor of the Special Issue “Remission and Recovery in Mental Health”, *Brain Sciences*, MDPI. Impact Factor: 3.333.
28 October 2021 – 15 June 2022.
2. Guest Associate Editor of the Research Topic “New Trends in the Treatment of Mood Disorders”, *Frontiers in Psychology – Psychopathology Section*. Impact Factor: 3.8.
31 January 2022 – 30 January 2023.
3. Academic Editor, *PLOS ONE*. Editorial responsibility for peer-reviewed manuscripts and contribution to the journal’s editorial activities. Impact Factor: 3.7.
1 June 2022 – present.
4. Guest Editor of the Special Issue “Transcranial Magnetic Stimulation and Mental Disorders”, *Journal of Integrative Neuroscience*. Impact Factor: 1.8.
28 October 2022 – 31 July 2023.
5. Member of the Topical Advisory Panel, *Psychiatry International*, MDPI. Reviewer and contributor to the development of the journal’s scientific activities.
19 January 2023 – present.
6. Guest Editor of the Special Issue “Causes and Treatment of Schizophrenia and Bipolar Spectrum Disorders”, *Brain Sciences*, MDPI. Impact Factor: 3.333.
13 February 2023 – 15 October 2023.
7. Guest Associate Editor of the Research Topic “Case Reports in Anxiety and Stress Disorders”, *Frontiers in Psychiatry*. Impact Factor: 4.7.
31 August 2023 – 12 July 2024.
8. Member of the Topical Advisory Panel, *Current Issues in Molecular Biology*, MDPI.
1 August 2024 – present.
9. Guest Associate Editor of the Research Topic “Reviews in Psychiatry 2026: Neurostimulation”, *Frontiers in Psychiatry*. Impact Factor: 3.2.
From 15 November 2026.
10. Editor, *Frontiers in Psychiatry – Neurostimulation*. Editorial responsibility for peer-reviewed manuscripts and contribution to the scientific development of the journal. Impact Factor: 3.2.
From November 2026.

TEACHING ACTIVITIES

1. Visiting Professor, School of Health and Medical Sciences (IHSA), Seton Hall University, New Jersey, USA.
1 February 2014 – 26 April 2015.
2. Lecturer in Psychiatry at the Istituto Empedocle within the “Advanced Educational Programmes for Postgraduate Medical Examinations and Competitive Selection Procedures”, Messina, Italy.
21 June 2015.
3. Lecturer in Psychiatry at the Istituto Empedocle within the “Advanced Educational Programmes for Postgraduate Medical Examinations and Competitive Selection Procedures”, Messina, Italy.
3 March 2018.

4. Subject Expert in Psychiatry (MED/25), Degree Programme in Medicine and Surgery, University of Catania.
1 January 2022 – present.
5. Member of the Faculty Board of the Postgraduate School of Psychiatry, University of Catania.
26 August 2022 – present.
6. Lecturer for the course “Clinical Psychology and Psychiatry in Occupational Therapy – Psychiatry Module”, Bachelor’s Degree Programme in Occupational Therapy (L/SNT2), Troina (EN), Department of Biomedical and Biotechnological Sciences, University of Catania.
23 June 2023 – present.
7. Lecturer for the course “Psychiatry, Clinical Psychology and Neuropsychiatry”, Degree Programme in Medicine and Surgery, Department of General Surgery and Medical-Surgical Specialties, University of Catania.
From 1 October 2026.
8. Lecturer for the course “Methods and Techniques of Psychiatric Rehabilitation and Body Expression I”, Degree Programme in Psychiatric Rehabilitation Techniques, qualifying for the healthcare profession of Psychiatric Rehabilitation Technician, Department of Clinical and Experimental Medicine, University of Catania.
From 1 October 2026.
9. Lecturer for the course “Psychiatric and Neurological Sciences 4”, Bachelor’s Degree Programme in Nursing, Department of Medical, Surgical Sciences and Advanced Technologies “G.F. Ingrassia”, University of Catania.
From 1 October 2026.
10. Lecturer for the course “Psychiatry and Clinical Psychology”, Bachelor’s Degree Programme in Speech and Language Therapy, Department of Medical, Surgical Sciences and Advanced Technologies “G.F. Ingrassia”, University of Catania.
From 1 October 2026.
11. Member of the Faculty Board of the PhD Programme in Translational Biomedicine, University of Catania.
12 June 2026 – present.

AWARDS, HONOURS AND MEMBERSHIP OF PRESTIGIOUS SCIENTIFIC SOCIETIES

1. First Prize for Best Poster for the study entitled “Add-On rTMS Therapy in Patients with Treatment-Resistant Major Depressive Disorder: Six-Month Follow-Up”, presented at the 17th Congress of the Italian Society of Psychopathology (SOPSI), “Clinical Psychiatry: Rigour and Creativity”, Rome, Italy.
13–16 February 2013.
2. Selected, together with other young mental health specialists from around the world, to participate in the course “Leadership and Professional Skills Development of Young Psychiatrists”, Department of Psychiatry, University of Basel, Switzerland.
27 January 2016.
3. Ordinary Member of the European College of Neuropsychopharmacology (ECNP).
1 January 2022 – December 2025.
4. Member of the Academy of Brain Stimulation.
9 September 2024 – September 2025.

5. Ordinary Member of the European Society for Brain Stimulation (ESBS) and member of the Society's Working Group "Clinical Practice in Neuromodulation".
4 December 2023 – present.
6. Ordinary Member of the European Psychiatric Association (EPA).
19 April 2024 – present.
7. Ordinary Member of the Italian Society of Psychiatry (SIP).
2022 – present.
8. Awarded the Italian National Scientific Qualification for the position of Associate Professor in Competition Sector 06/D5 – Psychiatry.
25 June 2024.

Catania, 01/09/2026