**CURRICULUM VITAE**

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Education:

1991 M.D. in Medicine and Surgery, Sapienza University of Rome, Summa cum laude.

1991 -1995 Resident in psychiatry, Tor Vergata University of Rome, Summa cum laude.

1992 - Medical licence, Ordine dei Medici di Roma, n. 43807, from March 30, 1992

2004 - 2007 Ph.D. in Neuropsychology, Catholic University of the Sacred Heart of Rome.

Professional experience (research):

2000 - present Head of the Laboratory of Neuropsychiatry, Department of Clinical and Behavioral Neurology, IRCCS Santa Lucia Foundation, Rome.

2001 - 2004 Research Psychiatrist, Department of Neuroscience, University of Rome Tor Vergata.

Professional experience (clinical):

1991 - 1995 Clinical Assistant in Psychiatry, University of Rome Tor Vergata.

1996 - 2000 Clinical Assistant in Psychiatry, Neuropsychiatry Department, Military Hospital of Rome.

1998 - 1999 Clinical Director, Therapeutic Community "Residenza Morgagni" in Rome.

2001 - present Psychiatric Lyason Service, IRCCS Santa Lucia Foundation, Rome.

2005 - present Clinical Director, Neuropsychiatric Outpatient Clinic, IRCCS Santa Lucia Foundation, Rome.

2006 - 2018 Clinical Neuropsychology Consultant, Neurogeriatric Center, Tor Vergata Hospital, University of Rome Tor Vergata.

2010 - present Clinical Director, Memory Clinic, IRCCS Santa Lucia Foundation, Rome.

Professional experience (didactic):

1996 - 1999 Adjunct Professor of Psychopharmacology, School of Specialization in Psychiatry, Faculty of Medicine, University of Rome Tor Vergata.

1994 - 2001 Adjunct Professor of Psychiatry. Faculty of Medicine. University of Rome Tor Vergata.

2001 - present Adjunct Professor of Psychiatry, School for Nurses, University of Rome Tor Vergata.

2003 - present Adjunct Professor of Psychiatry, School of Speech Therapy, University of Rome Tor Vergata.

2005 - 2009 College of Professors of the PhD course “Advanced Research and Methodologies in Psychoterapy and Psychopathology”, Catholic University of the Sacred Heart of Rome.

2011 - 2015 Adjunct Professor of Translational Psychiatry and Research Methodology, School of Specialization in Psychiatry, Faculty of Medicine, Sapienza University of Rome.

2013 - present Adjunct Professor of Psychiatry, School for Physiotherapy, University of Rome Tor Vergata

2018 - present Adjunct Professor of Rehabilitation Techniques in Vascular Area and Neuropsychiatry, School for Physiotherapy, University of Rome Tor Vergata

2013 Visiting Professor, Iowa University, Carver College of Medicine, Department of Psychiatry, Iowa City, USA.

2014 Visiting Professor, Baylor College of Medicine, Menninger Department of Psychiatry and Behavioral Sciences, Houston, TX, USA.

2015 - present Adjunct Associate Professor, Baylor College of Medicine, Menninger Department of Psychiatry and Behavioral Sciences, Beth K. and Stuart C. Yudofsky Division of Neuropsychiatry, Houston, TX, USA

2016 - present Adjunct Professor of Psychiatry, International Faculty of Medicine, University of Rome Tor Vergata.

Professional experience (foreign countries):

1996 Department of Psychiatry, Timeside General Hospital, Manchester, UK.

1997 Neuroimaging centre, Great Ormond Street Hospital, London, UK.

1. Therapeutic Community, Winterbourne, Reading, Berkshire, UK.

1999 Psychiatric Institute of Washington, USA.

2005 Maryland Psychiatric Research Center, Baltimore, USA.

2005 Western Psychiatric Research Institute, Pittsburgh, USA

2013 Iowa University, Carver College of Medicine, Department of Psychiatry, Iowa City, USA.

2014 Baylor College of Medicine, Department of Psychiatry, Houston, TX, USA.

Societies:

1997 - 2007 New York Academy of Sciences (New York - USA)

1998 - 2002 Association of Therapeutic Communities (London - UK)

2003 - present Italian Psychogeriatric Association (AIP)

2004 - present Italian Neurological Society for Dementia (SINDEM)

Award:

2016 Chain-like organization and hierarchy in the human functional brain network. The Best Parallel Presentation Award, Conference on Complex Systems, Amsterdam, September 2016.

Editorial Review Board

2010 - present Journal of Alzheimer’s Disease

2014 - present Behavioural Neurology

2014 - present Neuroimmunology and Neuroinflammation (Associate Editor)

2019 - present Frontiers in Psychiatry (Specialty Chief Editor Aging Psychiatry)

Ad Hoc Manuscript Referee:

Acta Neurologica Scandinavica, Acta Neuropsychiatrica, Acta Psychiatrica Scandinavica, Aging Cell, Aging Health, Alzheimer Disease & Associated Disorders, American Journal of Geriatric Psychiatry, Annals of Neurology, Archives of General Psychiatry, Archives of Suicide Research, Biological Psychiatry, BMC Psychiatry, Brain, Brain and Cognition, Cerebral Cortex, Cochrane Reviews; Comprehensive Psychiatry, Cortex, Current Alzheimer Research, European Neuropsychopharmacology, European Psychiatry, Expert Opinion in Pharmacotherapy, General Hospital Psychiatry, Genes Brain and Behavior, Human Brain Mapping, International Journal of Clinical Practice, International Journal of Psychiatry in Medicine, Journal of Clinical Psychiatry, Journal of Geriatric Psychiatry and Neurology, Journal of Neural Transmission, Journal of Neuroinflammation, Journal of the Neurological Sciences, Journal of Neurology, Journal of Neurology Neurosurgery and Psychiatry, Journal of Neuropsychiatry and Clinical Neurosciences, The Journal of Neuroscience, Journal of Neuroscience Research, Journal of Psychiatry and Neuroscience, Journal of Psychiatric Research, Journal of Psychosomatic Research, Medical Science Monitor, Metallomics, Molecular Neurodegeneration, Nature Reviews Neurology, Neurological Sciences, Neurology, Neuropsychiatry, Neuropsychobiology, Neuropsychologia, Neuropsychological Rehabilitation, Neuroscience, Neuroscience and Biobehavioral Reviews, Neuroscience Letters, Nordic Journal of Psychiatry, Parkinson’s Disease, PLOS One, Prymary Care Companion, Progress in Neuro-Psychopharmacology & Biological Psychiatry, Psychiatry Research, Psychiatry Research Neuroimaging, Psychological Medicine, Psychoneuroendocrinology, Psycho-Oncology, Psychopharmacology, Psychosomatics, Rejuvenation Research, Schizophrenia Bulletin, Schizophrenia Research, Stroke, Trials

International Societies Grant Referee:

Network of European Funding for Neuroscience Research (NEURON) by the European Commission

ERA-NET NEURON Translational Biomarkers Call by the European Commission

Fondation pour la Recherche sur la Maladie Alzheimer (FRMA), Belgium

Danish Council for Independent Research-Medical Sciences, Denmark

Ontario Mental Health Foundation, Canada

Health and Medical Research Fund (HMRF), Hong Kong

Stroke Association, United Kingdom

Medical Research Council (MRC), United Kingdom

Israel Science Foundation, Israel

French National Research Agency (ANR), France

INSERM, France

Austrian Science Fund (FWF), Austria

Netherlands Organization for Scientific Research (NWO), Nederlands

Research Grant (Principal Investigator or Study Coordinator):

2005 - 2007 Italian Ministry of Health (Principal Investigator) PS041S: Neuropathogenetic mechanisms of neurodegenerative disorders: inflammatory and immune process analysis for the identification of new therapeutic targets.

2005 - 2007 Italian Ministry of Health (Principal Investigator) PS04S: Behavioral and psychological symptoms of dementia: a translational approach on the role of pharmacogenetics, immunology and endophenotipic caracterization as precocious predictors of psychopharmacological treatment response.

2005 - 2007 Italian Ministry of Health (National network Principal Investigator) RF04: The national project on neurodegenerative illnesses: a translational project from pathogenesis to therapeutic perspectives.

2006 - 2008 Italian Ministry of Health (Principal Investigator) REG12: Diagnostic and prognostic markers of Alzheimer disease.

2006 - 2008 Italian Ministry of Health (Principal Investigator) RF05.106S: Diagnostic markers for neurodegenerative illnesses and new targets for pharmacological treatment response.

2007 - 2009 Italian Ministry of Health (Principal Investigator) ISS.14: Obtaining optimal functional

recovery and efficient managed care for chronic stroke population.

2007 - 2009 Italian Ministry of Health (Principal Investigator) PS05.l7: A multidisciplinary study on Mild Cognitive Impairment (MCI): neuropsychological, neurophysiological, neuroimaging and biological markers valid for early diagnosis and predictors of dementia conversion.

2007 - 2009 Italian Ministry of Health (Principal Investigator) PS05.5S: Early diagnosis of Lewy Body Dementia using neuroimaging markers.

2008 - 2009 Italian Ministry of Health (Principal Investigator) ISS.l6: Early diagnosis of Alzheimer's

diseases through the combination of molecular, functional and clinical biomarkers.

2008 - 2010 Italian Ministry of Health (Principal Investigator) RF06.71.1X: Analysis of medical procedures on patients with neurodegenerative within the National Health Service. A comparison between national and international guidelines.

2008 - 2010 Italian Ministry of Health (Principal Investigator) RF06.71.8: Dementia diagnostic procedures for early differential diagnosis valid for the evaluation of rapid and slow progression forms and optimal therapeutic response.

2009 - 2011 Italian Ministry of Health (Principal Investigator) RF07.96S: Depressive features in medical (neurological and oncological) patients recruited in the general medical setting: reliability of diagnostic criteria, predictive role of biological markers, and effect of treatment with antidepressants.

2009 - 2011 Italian Ministry of Health (Principal Investigator) RF07.39.3X: Cognitive and behavioural indicators of conversion from Mild Cognitive Impairment to neurodegenerative dementias and development of cognitive rehabilitation protocols.

2009 - 2011 Italian Ministry of Health (Principal Investigator) RF07.97.2S: The neuropsychological and neuropsychiatric disturbances in idiopatic Parkinson disease and parkinsonisms: focus on the early diagnosis.

2010 - 2012 Italian Ministry of Health (Principal Investigator) RF08.33X: Behavioral and psychological predictors of cognitive outcome in subjects with Mild Cognitive Impairment: the role of non-conventional and serotonergic genes.

2011 - 2014 European Commission ERA-Net NEURON joint transnational calI 2010. "European

Research Projects on Mental Disorders" (Italian OU Study Coordinator) : NEUCONNECT. Novel strategies for the treatment of schizophrenia based on genetic variation of the neural cell adhesion molecule NCAM and enzymes involved in its posttranslational modifications.

2013-2015 European Commission (Joint Programme - Neurodegenerative Disease Research Transnational research proposals 2013 JPND) Annual Transnational Call (Italian OU Principal Investigator) PERADES008: European research projects for the identification of genetic, epigenetic and environmental risk and protective factors for Neurodegenerative Diseases.

2014-2016 Italian Ministry of Health (Principal Investigator) NET2011-02346784: Development of operational research diagnostic criteria for diagnosis of Alzheimer’s disease in the preclinical/predementia phase and inmplementation of SOPs for imaging and CSF biomarkers in Memory Clinics. An integrated care pathway for early diagnosis.

2015-2018 European Commission (Horizon 2020) (Principal Investigator): PD\_MANAGER. Mhealth platform for Parkinson’s disease management.

2016-2019 European Commissiom (AAL Europe\_Horizon 2020) (Principal Investigator): PETAL. Personalizable assistive ambient monitoring and lighting.

2018 – 2021 European Commissiom (AAL Europe\_Horizon 2020) (Principal Investigator): POSITIVE. Personalized platform assisting seniors in healthy, fulfilled active life.

Invited Speaker (International):

2004 A dual Congress Psychiatry and Neuroscience. 5th International Congress of Neuropsychiatry. October 14-18, Athens, Greece, 2004. “Post-stroke depression: cognitive impairment, treatment resistance and side of lesion”.

2006 International College of Geriatric Psychopharmacology. 6th Annual Scientific Meeting, October, 3-6, Hiroshima, Japan, 2006. “Behavioral syndromes and symptoms in Alzheimer’s disease: are they reactive phenomenon or biologically determined”.

2010 American Neuropsychiatric Association. 21st Annual Meeting, March 17-20, Tampa, Florida (USA), 2010. “The association of cytokines and inflammatory markers in post-stroke depression”.

2013 Iowa University Psychiatry Research Seminar. September 16, 2013, Iowa City, USA. “The differential role of apathy and depression on cognitive deterioration progression in mild cognitive impairment and Alzheimer’s disease”.

2013 Norwegian Neuropsychiatric Association 2013 Annual Meeting. November 27-28, 2013, Oslo, Norway. “Post stroke depression: Clinical outcome, mechanisms and treatment”, “Unawareness as a neuropsychiatric disorder – phenomenology and neural mechanisms”.

2014 Baylor College of Medicine, Houston, TX, Research Seminar. September 2014 “Apathy in Neurodegenerative illnesses”.

2015 ECNP Annual Conference Amsterdam, September 2015. Merging mouse and human data on the role of PolySia-NCAM in neurodevelopment and schizophrenia. “Clinical and brain structural correlates of NCAM and polysialic acid serum levels in schizophrenia”.

2016 Baylor College of Medicine, Houston, TX, Clinical Ground, January 2016. “Self-awareness disorders as a neuropsychiatric dimension: phenomenology, mechanisms and therapeutic interventions”.

Current Research Interests:

* Neurobiological mechanisms (genetics, inflammation, neurosteroids and neurolipids) associated with neurodegenerative disorders and mood diosrders.
* Brain neuroanatomy associated to trajectrories of neurodegenerative illnesses.
* Hippocampal-amygdala morphometry and cognition in schizophrenia and mood disorders.
* Neuroanatomy of neurocognitive deficits in obsessive compulsive disorder.
* Childhood trauma in bipolar disorder.

International Bibliography:

279. Premika S.W. Boedhoe, Daan van Rooij, Martine Hoogman, Jos W.R. Twisk, Lianne Schmaal, Yoshinari Abe, Pino Alonso, Stephanie H. Ameis, Anatoly Anikin, Alan Anticevic, Celso Arango, Paul D. Arnold, Ph.D., Philip Asherson, Ph.D., Francesca Assogna, Ph.D., Guillaume Auzias, Ph.D., Tobias Banaschewski, M.D., Ph.D., Alexander Baranov, Ph.D., Marcelo C. Batistuzzo, Ph.D., Sarah Baumeister, Ph.D., Ramona Baur-Streubel, Ph.D., Marlene Behrmann, Ph.D., Mark A. Bellgrove, Ph.D., Francesco Benedetti, M.D., Jan C. Beucke, Ph.D., Joseph Biederman, M.D., Irene Bollettini, Ph.D., Anushree Bose, Ph.D., Janita Bralten, Ph.D., Ivanei E. Bramati, Ph.D., Daniel Brandeis, Ph.D., Silvia Brem, Ph.D., Brian P. Brennan, M.D., M.M.Sc., Geraldo F. Busatto, Ph.D., Sara Calderoni, M.D., Ph.D., Anna Calvo, M.Sc., Rosa Calvo, M.D., Ph.D., Francisco X. Castellanos, M.D., Mara Cercignani, Ph.D., Tiffany M. Chaim-Avancini, Ph.D., Kaylita C. Chantiluke, Ph.D., Yuqi Cheng, Ph.D., Kang Ik K. Cho, Ph.D., Anastasia Christakou, Ph.D., David Coghill, M.D., Annette Conzelmann, M.D., Ph.D., Ana I. Cubillo, Ph.D., Anders M. Dale, Ph.D., Sara Dallaspezia, M.D., Eileen Daly, Ph.D., Damiaan Denys, M.D., Ph.D., Christine Deruelle, Ph.D., Adriana Di Martino, Ph.D., Ilan Dinstein, Ph.D., Alysa E. Doyle, Ph.D., Sarah Durston, Ph.D., Eric A. Earl, B.Sc., Christine Ecker, Ph.D., Stefan Ehrlich, M.D., Ph.D., Benjamin A. Ely, B.S., Jeffrey N. Epstein, Ph.D., Thomas Ethofer, Ph.D., Damien A. Fair, Ph.D., Andreas J. Fallgatter, M.D., Stephen V. Faraone, Ph.D., Jennifer Fedor, B.Sc., Xin Feng, M.Sc., Jamie D. Feusner, M.D., Jackie Fitzgerald, Ph.D., Kate D. Fitzgerald, M.D., Jean-Paul Fouche, M.Sc., Christine M. Freitag, Ph.D., Egill A. Fridgeirsson, M.Sc., Thomas Frodl, M.D., Ph.D., Matt C. Gabel, Ph.D., Louise Gallagher, M.D., Ph.D., Tinatin Gogberashvili, Ph.D., Ilaria Gori, M.Sc., Patricia Gruner, Ph.D., Deniz A. Gürsel, M.Sc., Shlomi Haar, Ph.D., Jan Haavik, M.D., Ph.D., Geoffrey B. Hall, Ph.D., Neil A. Harrison, Ph.D., Catharina A. Hartman, Ph.D., Dirk J. Heslenfeld, Ph.D., Yoshiyuki Hirano, Ph.D., Pieter J. Hoekstra,M.D., Ph.D., Marcelo Q. Hoexter, M.D., Ph.D., Sarah Hohmann, M.D., Marie F. Høvik, M.D., Hao Hu, Ph.D., Chaim Huyser, M.D., Ph.D., Neda Jahanshad, Ph.D., Maria Jalbrzikowski, Ph.D., Anthony James, M.R.C.P., M.R.Psych., Joost Janssen, Ph.D., Fern Jaspers-Fayer, Ph.D., Terry L. Jernigan, Ph.D., Dmitry Kapilushniy, Ph.D., Bernd Kardatzki, M.Sc., Georgii Karkashadze, Ph.D., Norbert Kathmann, Ph.D., Christian Kaufmann, Ph.D., Clare Kelly, Ph.D., Sabin Khadka, M.Sc., Joseph A. King, Ph.D., Kathrin Koch, Ph.D., Gregor Kohls, Ph.D., Kerstin Kohls, Ph.D., Masaru Kuno, M.D., Ph.D., Jonna Kuntsi, Ph.D., Gerd Kvale, Ph.D., Jun Soo Kwon, M.D., Ph.D., Luisa Lázaro, M.D., Ph.D , Sara Lera-Miguel, Ph.D., Klaus-Peter Lesch, M.D., Ph.D., Liesbeth Hoekstra, M.Sc., Yanni Liu, Ph.D., Christine Lochner, Ph.D., Mario R. Louza, M.D., Ph.D., Beatriz Luna, Ph.D., Astri J. Lundervold, Ph.D., Charles B. Malpas, Ph.D., Paulo Marques, Ph.D., Rachel Marsh, Ph.D., Ignacio Martínez-Zalacaín, M.Sc., David Mataix-Cols, Ph.D., Paulo Mattos, M.D., Ph.D., Hazel McCarthy, Ph.D., Jane McGrath, Ph.D., Mitul A. Mehta, Ph.D., José M. Menchón, M.D., Ph.D., Maarten Mennes, Ph.D., Mauricio Moller Martinho, M.D., M.S., Pedro S. Moreira, M.Sc., Astrid Morer, M.D. Ph.D., Pedro Morgado, M.D., Ph.D., Filippo Muratori, Ph.D., Clodagh M. Murphy, M.R.C.Psych., Ph.D., Declan G.M. Murphy, M.D., F.R.C.Psych., Akiko Nakagawa, M.D., Ph.D., Takashi Nakamae, M.D., Ph.D., Tomohiro Nakao, M.D., Ph.D., Leyla Namazova-Baranova, Ph.D., Janardhanan. C. Narayanaswamy, M.D., Rosa Nicolau, B.Sc., Joel T. Nigg, Ph.D., Stephanie E. Novotny, M.Sc., Erika L. Nurmi, M.D., Ph.D., Eileen Oberwelland Weiss, Ph.D., Ruth L. O'Gorman Tuura, Ph.D., Kirsten O’Hearn, Ph.D., Joseph O'Neill, Ph.D., Jaap Oosterlaan, Ph.D., Bob Oranje, Ph.D., Yannis Paloyelis, Ph.D., Mara Parellada, M.D., Ph.D., Paul Pauli, Ph.D., Chris Perriello, B.Sc., John Piacentini, Ph.D., Fabrizio Piras, Ph.D., Federica Piras, Ph.D., Kerstin J. Plessen, M.D., Ph.D., Olga Puig, Ph.D., J. Antoni Ramos-Quiroga, M.D., Ph.D., Y.C. Janardhan Reddy, M.D., Andreas Reif, M.D., Liesbeth Reneman, M.D., Ph.D., Alessandra Retico, Ph.D., Pedro G.P. Rosa, M.D., Katya Rubia, Ph.D., Oana Georgiana Rus, Ph.D., Yuki Sakai, M.D., Ph.D., Anouk Schrantee, Ph.D., Lena Schwarz, M.D., Lizanne J.S. Schweren, Ph.D., Jochen Seitz, M.D., Philip Shaw, M.D., Ph.D., Devon Shook, Ph.D., Tim J. Silk, Ph.D., H. Blair Simpson, M.D., Ph.D., Norbert Skokauskas, M.D., Ph.D., Juan Carlos Soliva Vila, Ph.D., Anastasia Solovieva, Ph.D., Noam Soreni, M.D., Carles Soriano-Mas, Ph.D., Gianfranco Spalletta, M.D., Ph.D., Emily R. Stern, Ph.D., Michael C. Stevens, Ph.D., S. Evelyn Stewart, M.D., Gustavo Sudre, Ph.D., Philip R. Szeszko, Ph.D., Leanne Tamm, Ph.D., Margot J. Taylor, Ph.D., David F. Tolin, Ph.D., Michela Tosetti, Ph.D., Fernanda Tovar-Moll, M.D., Ph.D., Aki Tsuchiyagaito, Ph.D., Theo G.M. van Erp, Ph.D., Guido A. van Wingen, Ph.D., Alasdair Vance, M.D., Ganesan Venkatasubramanian, M.D., Ph.D., Oscar Vilarroya, Ph.D., Yolanda Vives-Gilabert, Ph.D., Georg G. von Polier, Susanne Walitza, Gregory L. Wallace, Zhen Wang, Thomas Wolfers, Yuliya N. Yoncheva, Je-Yeon Yun, Marcus V. Zanetti, Fengfeng Zhou, Georg C. Ziegler, Kathrin C. Zierhut, Marcel P. Zwiers, the ENIGMA-ADHD working group, the ENIGMA-ASD working group, the ENIGMA-OCD working group, Paul M. Thompson, Dan J. Stein, Jan Buitelaar, Barbara Franke, Odile A. van den Heuvel. *Subcortical brain volume, regional cortical thickness and cortical surface area across attention-deficit/hyperactivity disorder (ADHD), autism spectrum disorder (ASD), and obsessive-compulsive disorder (OCD) – findings from the ENIGMA-ADHD, -ASD, and -OCD working groups*. **Am J Psychiatry**. 2020. In Press.

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