

CURRICULUM VITAE

Alessandro Bertolino, Dottore in Medicina e Chirurgia, Dottore di ricerca in Neuroscienze

Data di Nascita: 26/6/1967

Istruzione e Posizioni lavorative:

Professore Ordinario Di Psichiatria, Dipartimento di Scienze Mediche di Base, Neuroscienze e Organi di Senso, Università degli Studi di Bari Aldo Moro, Bari, Italia
1/4/2019 -

Professore Straordinario di Psichiatria, Dipartimento di Scienze Mediche di Base, Neuroscienze e Organi di Senso, Università degli Studi di Bari Aldo Moro, Bari, Italia
1/4/2016 – 31/03/2019

Direttore eletto del Dipartimento Universitario denominato Dipartimento di Scienze Mediche di Base, Neuroscienze e Organi di Senso, Università degli Studi di Bari Aldo Moro, Bari, Italia 1/11/2018

Direttore, UOC Psichiatria Universitaria, Azienda Ospedaliero Universitaria Consorziale Policlinico Bari, Bari Italia 1/1/2016 -

Head, Biomarker and Clinical Imaging, pRED, Neuroscience DTA, Hoffman-La Roche Ltd., Basilea, Svizzera 08/08/2013 - 2015

Aspettativa senza assegni (art. 7 L. 240/30.12.2010) dal 01/08/2013 al 31/07/2013

Abilitazione Scientifica Nazionale 06/D5 Psichiatria - I Fascia DD MIUR 222 del 20 Luglio 2012

Visiting Professor of Psychiatry, Institute of Psychiatry, King's College, London (UK)
2012 -

Delegato del Rettore Università degli Studi di Bari alla Ricerca applicata e alla innovazione tecnologica – 2 novembre 2011 – 31 luglio 2013

Idoneità a Professore Ordinario di Psichiatria - Valutazione Comparativa presso l'Università degli Studi di Pavia – 25 giugno 2010 D.R. n. 1059-2010

Università degli Studi di Bari, Facoltà di Medicina e Chirurgia
Clinica Psichiatrica II,
Dipartimento Di Scienze Neurologiche e Psichiatriche
Professore Associato gennaio 2005 – Confermato nel 2009 -

Università degli Studi di Bari, Facoltà di Medicina e Chirurgia
Clinica Psichiatrica II,
Dipartimento Di Scienze Neurologiche e Psichiatriche
Ricercatore Universitario 1999 – 2004 *Confermato il 6-10-2002*

Azienda Ospedaliera Consorziale Policlinico Bari
Dirigente Medico di I livello dal 1999; 2000-2015 affidamento delle seguenti funzioni assistenziali: Incarico di tipo 4, Area della Dirigenza Medica, Funzioni Dirigenziali di responsabile del “Centro per lo Studio ed il Trattamento dei Disturbi Cognitivi in corsi di Malattie Mentali” afferente alla U.O. di Psichiatria II.

Università degli Studi di Bari, Sede Amministrativa Ila Università degli Studi di Napoli
Dottore di Ricerca in Neuroscienze 1997-2000

National Institutes of Health, National Institute of Mental Health, Division of Intramural Research Programs, Clinical Brain Disorders Branch, Bethesda (MD), USA
Visiting Scientist, 1997- Aprile 1999

National Institutes of Health, National Institute of Mental Health, Division of Intramural Research Programs, Clinical Brain Disorders Branch, Bethesda (MD), USA
Visiting Fellow, 1995-1996

National Institutes of Health, National Institute of Neurological Disorders and Stroke, Division of Intramural Research Programs, Neuroimaging Branch, Bethesda (MD), USA
Special Volunteer, Aprile 1994-1995

Università degli Studi di Bari, Istituto di Psichiatria, Bari, Italia
Specializzazione in Psichiatria 1991-1995 (magna cum laude)

Università degli Studi di Bari, Facoltà di Medicina e Chirurgia, Bari, Italia
Dottore in Medicina e Chirurgia 1985-1991 (magna cum laude)

BORSE DI STUDIO, FINANZIAMENTI E PREMI DI RICERCA

- Borsa di studio dell'Università degli Studi di Bari per ricerca all'estero 1993
- Finanziamento di 60.000 dollari americani per la ricerca dalla National Alliance for Research on Schizophrenia and Depression per giovani ricercatori 1999
- Finanziamento di 145.000 dollari americani dalla Stanley Foundation 1999 per il progetto: "Proton Magnetic Resonance Spectroscopic Imaging in Patients with first episode of schizophrenia and affective psychosis"
- Premio per giovani ricercatori 10th biennial Winter Workshop on Schizophrenia, Davos 5-11 febbraio 2000
- Premio A. D'Errico SOPSI 2001 per il miglior articolo pubblicato nell'anno 2000
- Finanziamento di 225.000 dollari americani dalla Stanley Foundation 2002 per il progetto: "Augmentation of Olanzapine treatment with Mirtazapine in patients with schizophrenia: possible effects on negative symptoms and working memory"
- Progetto di Ricerca di Interesse Nazionale (PRIN) – MURST, 2005 "Basi genetiche e neurali della risposta antidepressiva" Responsabile Unita' di ricerca presso il Dipartimento di Scienze Neurologiche e Psichiatriche, Università degli Studi di Bari
- Progetto di Ricerca finanziato dalla Fondazione Cassa di Risparmio di Puglia: "Farmacogenetica della risposta al trattamento con olanzapina in pazienti con schizofrenia: il ruolo di varianti genetiche funzionali dei recettori D2 della dopamina": 40.000 Euro
- Programma Operativo Nazionale, Ricerca e Competitività 2007-2013 per le Regioni dell'Obiettivo Convergenza Campania, Puglia, Calabria, Sicilia; Asse I "Sostegno ai Mutamenti Strutturali"; Obiettivo Operativo 4.1.1.4 Potenziamento delle Strutture e delle Dotazioni Scientifiche e Tecnologiche; Progetto "Bioscienze e Salute": 900.000 Euro
- Progetto di Ricerca finanziato dalla Fondazione con il Sud 2012 "Sviluppo di un modello per la stadiazione della schizofrenia con relative prospettive prognostiche e di risposta a trattamenti farmacologici e riabilitativi": 700.000 Euro
- Finanziamenti "unrestricted grants" Eli Lilly: 150000 euro

- Progetto di Ricerca di Interesse Nazionale (PRIN) – MIUR, 2011 “ Multicenter study on factors influencing real-life social functioning of people with a diagnosis of schizophrenia.” Responsabile Unita’ di ricerca presso il Dipartimento di Scienze Neurologiche e Psichiatriche, Università degli Studi di Bari. 90.000 euro
- Progetto di ricerca finanziato dalla fondazione Cariplo 2012 “Prenatal stress and its epigenetic impact on depression: a translational approach in search of biomarkers for diagnosis and early intervention.” Responsabile Unità di ricerca presso il Dipartimento di Scienze Neurologiche e Psichiatriche, Università degli Studi di Bari. 60.000 Euro
- NARSAD grant independent investigator 2013 100.000 US dollars
- Bando Ricerca Finalizzata, Ministero della Salute 2011-2012 – Principal Investigator. *“Interaction between environmentally sensitive DNA methylation and dopamine D2 related genetic variation on schizophrenia phenotypes”* 387.109 Euro
- Progetto di Ricerca di Interesse Nazionale (PRIN) – MIUR, 2015 “Migliorare la salute fisica delle persone con patologie mentali gravi modificandone lo stile di vita .” Responsabile Unita’ di ricerca presso il Dipartimento di Scienze Neurologiche e Psichiatriche, Università degli Studi di Bari. 90.000 euro
- Finanziamento della Regione Puglia per il progetto di Ricerca Individuazione Precoce del Rischio di Psicosi, 2018-2020 1500000,00 Euro

ATTIVITA’ IN SOCIETA’ SCIENTIFICHE

- American College of Neuropsychopharmacology, Membro
- Presidente Eletto, Società Italiana di Psichiatria, Sezione Regionale Puglia e Basilicata
1/4/2016 -

ATTIVITA’ SCIENTIFICHE EDITORIALI

- Associate Editor **Nature Partner Journals Schizophrenia**
- Componente dell’Editorial Board di **Psychological Medicine, World Journal of Psychiatry (1/1/2016 a 31/12/2019), Journal of Schizophrenia Research, Personalized Medicine in Psychiatry**

- Revisore per PNAS, Journal of Neuroscience, Archives of General Psychiatry, Molecular Psychiatry, Biological Psychiatry, American Journal of Psychiatry, Neuropsychopharmacology, Cerebral Cortex, Schizophrenia Research e altre.

ELENCO DELLE PUBBLICAZIONI:

Scopus: Indice di Hirsch: 52, Numero totale di citazioni: 13589

Google Scholar: Indice di Hirsch 62, Numero totale di citazioni: 18511

- 1) A Bertolino, S. Nawroz, V.S. Mattay, J.H. Duyn, C.T.W. Moonen, A.S. Barnett, J.A. Frank, G. Tedeschi, D.R. Weinberger: "Regionally specific pattern of neurochemical pathology in schizophrenia as assessed by multislice proton magnetic resonance spectroscopic imaging" Am J Psychiatry. 1996 Dec;153(12):1554-63.
- 2) G. Tedeschi, A. Bertolino, G. Campbell, A.S. Barnett, PK Jacob, CTW Moonen, JH Duyn, JR Alger, G Di Chiro: "Reproducibility of proton magnetic resonance spectroscopic imaging" AJNR Am J Neuroradiol. 1996 Nov-Dec;17(10):1871-9.
- 3) G. Tedeschi, A. Bertolino, N Lundbom, S Bonavita, TN Chase, NJ Patronas, L Verhagen, G Di Chiro: "Cortical and subcortical chemical pathology in Alzheimer's disease as assessed by multislice proton magnetic resonance spectroscopic imaging". Neurology. 1996 Sep;47(3):696-704.
- 4) G. Tedeschi, A. Bertolino, S. Massaquoi, G. Campbell, N.J. Patronas, S. Bonavita, A.S. Barnett, J.R. Alger, M. Hallett. "Proton magnetic resonance spectroscopic imaging in patients with cerebellar degeneration". Annals of Neurology 1996; 39:71-78
- 5) G. Tedeschi, A. Bertolino, A. Righini, G. Campbell, R. Raman, J.H. Duyn, C.T.W. Moonen, J.R. Alger, G. Di Chiro: "Brain regional distribution pattern of metabolite signal intensities in young adults by proton magnetic resonance spectroscopic imaging" Neurology. 1996 Sep;47(3):696-704.
- 6) G. Tedeschi, A. Bertolino, A. Righini, G. Campbell, R. Raman, J.H. Duyn, C.T.W. Moonen, J.R. Alger, G. Di Chiro: "Brain regional distribution pattern of metabolite signal intensities in young adults by proton magnetic resonance spectroscopic imaging" Neurology. 1996 Sep;47(3):696-704.
- 7) A Bertolino, D.R. Weinberger "Neuroimaging in schizophrenia:a neurodevelopmental perspective for the involvement of frontal and temporo-limbic cortex." Italian Journal of Psychopathology 1996;3:201-207
- 8) G. Tedeschi, I. Litvan, S. Bonavita, A. Bertolino, N. Lundbom, N.J. Patronas, G. Di Chiro: "Proton Magnetic Resonance Spectroscopic Imaging in progressive supranuclear palsy, Parkinson's disease, and corticobasal degeneration." Brain 1997;120:1541-1552
- 9) VS Mattay, JH Callicott, A Bertolino, AKS Santha, KA Tallent, TE Goldberg, JA Frank, DR Weinberger: "Abnormal Functional Lateralization of the Sensorimotor Cortex in Patients with Schizophrenia". Neuroreport 1997;8:2977-2984

- 10) A Bertolino, Weinberger DR: “Fisiopatologia della schizofrenia e sviluppo del cervello.” *Problemi in Psichiatria* 1997;12:5-12
- 11) A Bertolino, R.C. Saunders, V.S. Mattay, J. Bachevalier, J.A. Frank, D.R. Weinberger: “Altered development of prefrontal neurons in rhesus monkeys with neonatal mesial temporo-limbic lesions: a proton magnetic resonance spectroscopic imaging study” *Cerebral Cortex* 1997;7:740-748.
- 12) VS Mattay, JH Callicott, A Bertolino, AK Santa, JD Van Horn, KA Tallent, JA Frank, DR Weinberger: “Hemispheric control of motor function: a whole brain echo planar fMRI study”. *Psychiatry Res* 1998;83(1):7-22.
- 13) J.H. Callicott, N. Ramsey, K. Tallent, A. Bertolino, M.B. Knable, R. Coppola, T.E. Goldberg, P. van Gelderen, V.S. Mattay, J.A. Frank, C.T.W. Moonen, D.R. Weinberger: “Functional Magnetic Resonance Imaging brain mapping in psychiatry: methodological issues illustrated in a study of working memory in schizophrenia.” *Neuropsychopharmacology* 1998;18:186-196.
- 14) A Bertolino, J.H. Callicott, S. Nawroz, V.S. Mattay, J.H. Duyn, G. Tedeschi, J.A. Frank, D.R. Weinberger: “Reproducibility of proton magnetic resonance spectroscopic imaging in patients with schizophrenia.” *Neuropsychopharmacology* 1998;18:1-9.
- 15) A Bertolino, J.H. Callicott, I. Elman, V.S. Mattay, J.H. Duyn, G. Tedeschi, J.A. Frank, A. Breier, D.R. Weinberger: “Regionally specific neuronal pathology in untreated patients with schizophrenia: a proton magnetic resonance spectroscopic imaging study.” *Biological Psychiatry* 1998;43:641-648.
- 16) A Bertolino, S. Kumra, JH Callicott, VS Mattay, RM Lestz, L Jacobsen, AS Barnett, JH Duyn, JA Frank, JL Rapoport, DR Weinberger: “Common pattern of cortical pathology in childhood-onset and adult-onset schizophrenia as identified by proton magnetic resonance spectroscopic imaging.” *American Journal of Psychiatry* 1998;155:1376-1383.
- 17) JH Callicott, MF Egan, A Bertolino, VS Mattay, FJP Langheim, JA Frank, DR Weinberger: “Hippocampal N-acetylaspartate in unaffected siblings of patients with schizophrenia: a possible intermediate neurobiological phenotype.” *Biological Psychiatry* 1998;44:941-950.
- 18) JH Callicott, VS Mattay, A Bertolino, K Finn, R Coppola, JA Frank, TE Goldberg, DR Weinberger: “Physiological characteristics of capacity constraints in working memory as revealed by functional MRI.” *Cerebral Cortex*. 1999;9(1):20-6.
- 19) A Bertolino, MB Knable, RC Saunders, JH Callicott, B Kolachana, VS Mattay, J Bachevalier, JA Frank, M Egan, DR Weinberger: “ The relationship between

dorsolateral prefrontal N-acetylaspartate measures and striatal dopamine activity in schizophrenia. *Biological Psychiatry* 1999 Mar 15;45(6):660-7.

- 20) A Bertolino, DR Weinberger: "Proton magnetic resonance spectroscopy in schizophrenia." *European Journal of Radiology* 1999;30:132-141.
- 21) T Scarabino, T Popolizio, A Bertolino, U Salvolini: "Proton magnetic resonance spectroscopy of the brain in pediatric patients." *European Journal of Radiology* 1999;30:142-153.
- 22) A Bertolino: "Dysregulation of dopamine and pathology of prefrontal neurons: neuroimaging studies in schizophrenia and related animal models. *Epidemiologia e Psichiatria Sociale*. 1999;8(4):248-54.
- 23) A Bellomo, A Bertolino, D Labriola, M Nardini: "The psychopathology of dementia and of depression with late-life onset." *Psychiatric Networks* 1999;2(2):38-49.
- 24) A Bertolino, G Esposito, JH Callicott, VS Mattay, JD Van Horn, JA Frank, KF Berman, DR Weinberger: "Specific relationship between prefrontal neuronal N-acetylaspartate and activation of the working memory cortical network in schizophrenia." *American Journal of Psychiatry* 2000 Jan;157(1):26-33.
- 25) A Bertolino, A Breier, JH Callicott, C Adler, VS Mattay, M Shapiro, JA Frank, D Pickar, DR Weinberger: "The relationship between dorsolateral prefrontal neuronal N-acetylaspartate and evoked release of striatal dopamine in schizophrenia." *Neuropsychopharmacology* 2000;22(2):125-32.
- 26) JL Roffman, BK Lipska, A Bertolino, P Van Gelderen, AW Olson, ZZ Khaing, DR Weinberger: "Local and downstream effects of excitotoxic lesions in the rat medial prefrontal cortex on In vivo 1H-MRS signals." *Neuropsychopharmacology* 2000; 22(4):430-9.
- 27) VS Mattay, JH Callicott, A Bertolino, I Heaton, JA Frank, R Coppola, KF Berman, TE Goldberg, DR Weinberger: "Effects of dextroamphetamine on cognitive performance and cortical activation." *Neuroimage* 12: (3) 268-275 SEP 2000.
- 28) JH Callicott, A Bertolino, MF Egan, VS Mattay, FJP Langheim, DR Weinberger: "Selective relationship between prefrontal N-acetylaspartate measures and negative symptoms in schizophrenia." *American Journal of Psychiatry* 157: (10) 1646-1651 OCT 2000.
- 29) A Bertolino, F Brudaglio, M Nardini: "Pathophysiology of schizophrenia and the neurodevelopmental hypothesis: evidence from an animal model." *Psychiatric Networks* 3(2):10-21;2000.

- 30) JH Callicott, A Bertolino, VS Mattay, FJP Langheim, J Duyn, R Coppola, TE Goldberg, DR Weinberger: "Physiological dysfunction of the dorsolateral prefrontal cortex in schizophrenia revisited." *Cerebral Cortex* 10: (11) 1078-1092 NOV 2000.
- 31) A Bertolino, JH Callicott, VS Mattay, KM Weidenhammer, R Rakow, MF Egan, DR Weinberger: "The effect of treatment with antipsychotic drugs on brain N-acetylaspartate measures in patients with schizophrenia." *Biological Psychiatry* 2001 Jan 1;49(1):39-46.
- 32) M Altamura, M Pepe, A Tafaro, I Munno, A Bertolino, D Labriola, A Vacca, E Jirillo, M Nardini A syndrome characterized by psychiatric disorders, recurrent mucosal infections and natural immunity deficits: Clinical approach *Immunopharmacology and Immunotoxicology* 23: (2) 303-306 2001
- 33) DR Weinberger, MF Egan, A Bertolino, JH Callicott, VS Mattay, BK Lipska, KF Berman, TE Goldberg: "Prefrontal neurons and the genetics of schizophrenia." *Biol Psychiatry* 2001 Dec 1;50(11):825-44
- 34) A Bertolino, J Roffman, B Lipska, P van Gelderen, A Olson, DR Weinberger: "Reduced N-acetylaspartate in prefrontal cortex of adult rats with neonatal hippocampal damage." *Cerebral Cortex* 12:983-990;2002.
- 35) VS Mattay, A Tessitore, JH Callicott, A Bertolino, TE Goldberg, TN Chase, TM Hyde, DR Weinberger: "Dopaminergic modulation of cortical function in patients with Parkinson's disease." *Ann Neurol* 2002 Feb;51(2):156-64
- 36) A Bertolino, D Sciota, F Brudaglio, M Altamura, G Blasi, A Bellomo, N Antonucci, J H. Callicott, T E. Goldberg, T Scarabino, D R. Weinberger, M Nardini: "Working memory deficits and levels of n-acetylaspartate in patients with schizophreniform disorder." *American Journal of Psychiatry*, March 2003 160: 483-489
- 37) A Bertolino, M Frye, J H Callicott, V S Mattay, R Rakow, J Shelton-Repella, R Post, D R Weinberger: "Neuronal pathology in the hippocampal area of patients with bipolar disorder: a study with proton magnetic resonance spectroscopic imaging." *Biological Psychiatry* 2003;53:906-913
- 38) MF Egan, M Kojima, JH Callicott, TE Goldberg, BS Kolachana, A Bertolino, E Zaitsev, B Gold, D Goldman, M Dean, B Lu, DR Weinberger: "The BDNF val66met polymorphism affects activity-dependent secretion of BDNF and human memory and hippocampal function". *Cell*. 2003 Jan 24;112(2):257-69.
- 39) J.H. Callicott, M.F. Egan, V.S. Mattay, A. Bertolino, A.D. Bone, B. Verchinski, D.R. Weinberger: Abnormal fMRI Response of the Dorsolateral Prefrontal Cortex in Cognitively Intact Siblings of Patients With Schizophrenia *Am J Psychiatry* 2003 Apr;160(4):709-19.

- 40) Scarabino T, Nemore F, Giannatempo GM, A Bertolino, Di Salle F, Salvolini U. “3.0 T magnetic resonance in neuroradiology.” *Eur J Radiol.* 2003 Nov;48(2):154-64.
- 41) T Scarabino, A Bertolino, M Burrioni, T Popolizio, JH Duyn, DR Weinberger, U Salvolini. White Matter Lesions in Phenylketonuria: evaluation with magnetic resonance imaging and magnetic resonance spectroscopy. *Riv Neuroradiologia* 16:251-262, 2003.
- 42) A. Bertolino, G. Caforio, G. Blasi, M. De Candia, V. Latorre, V. Petruzzella, M. Altamura, G. Nappi, S. Papa, J.H. Callicott, V.S. Mattay, A. Bellomo, T. Scarabino, D.R. Weinberger, M. Nardini: “Interaction of COMT Val^{108/158} Met genotype and olanzapine treatment on prefrontal cortical function in patients with schizophrenia”. *Am J Psychiatry* 161:1798-1805;2004.
- 43) G Blasi, A Bertolino, F Brudaglio, D Sciota, M Altamura, N Antonucci, T Scarabino, DR Weinberger, M Nardini: “Hippocampal neurochemical pathology in patients at first episode of affective psychosis: a Proton Magnetic Resonance Spectroscopic Imaging Study”. *Psychiatry Research-Neuroimaging* 131:195-205;2004
- 44) A. Bertolino, G. Blasi, G. Caforio, V. Latorre, M. De Candia, V. Rubino, J. H. Callicott, V. S. Mattay, A. Bellomo, T. Scarabino, D. R. Weinberger, M. Nardini: Functional lateralization of the sensorimotor cortex in patients with schizophrenia: effects of treatment with olanzapine. *Biological Psychiatry*, 56(3):190-197;2004
- 45) MF Egan, RE Straub, TE Goldberg, I Yakub, JH Callicott, AR Hariri, A Bertolino, TM Hyde, C Shannon-Weickert, M Akil, J Crook, R Vakkalanka, R Balkissoon, RA Gibbs, JE Kleinman, DR Weinberger. Variation in *GRM3* affects cognition, prefrontal glutamate, and risk for schizophrenia. *Proceedings of the National Academy of Science USA* 101(34):12604-12609; 2004.
- 46) A. Bertolino, G. Arciero, V. Rubino, V. Latorre, M. De Candia, V. Mazzola, G. Blasi, G. Caforio, A.R. Hariri, B. Kolachana, M. Nardini, D.R. Weinberger, T. Scarabino. Variation of human amygdala response during threatening stimuli as a function of 5’HTTLPR genotype and personality style. *Biological Psychiatry* 57(12):1517-1525; 2005.
- 47) G. Blasi, V.S. Mattay, A. Bertolino, B. Elvevåg, J.H. Callicott, S. Das¹, B.S. Kolachana, M.F. Egan, T.E. Goldberg, D.R. Weinberger: “Effect of Catechol-O -methyltransferase val¹⁵⁸met genotype on attentional control” *Journal of Neuroscience* 2005 • 25(20):5038 –5045
- 48) G. Blasi, T. E. Goldberg, T. Weickert, S. Das, P. Kohn, B. Zolnick, A. Bertolino, J. H. Callicott, D. R. Weinberger, V. S. Mattay: “Brain regions underlying response inhibition and interference monitoring and suppression” *Eur J Neuroscience* 2006 Mar;23(6):1658-1664.

- 49) G. Blasi, A. Bertolino: “Imaging genomics and response to treatment with antipsychotics in schizophrenia. *NeuroRx* 2006 Jan;3(1):117-30.
- 50) A. Bertolino, G. Blasi, V. Latorre, V. Rubino, A. Rampino, L. Sinibaldi, G. Caforio, V. Petruzzella, A. Pizzuti, T. Scarabino, M. Nardini, D.R. Weinberger, B. Dallapiccola: Additive effects of genetic variation in dopamine regulating genes on working memory cortical activity in human brain. *Journal of Neuroscience*, 2006 Apr 12;26(15):3918-22.
- 51) A. Bertolino, V. Rubino, F. Sambataro, G. Blasi, V. Latorre, L. Fazio, G. Caforio, V. Petruzzella, B. Kolachana, A. Hariri, A. Meyer-Lindenberg, M. Nardini, D.R. Weinberger, T. Scarabino. Prefrontal-hippocampal coupling during declarative memory is modulated by COMT Val¹⁵⁸Met genotype. *Biological Psychiatry*, 2006;60:1250–1258.
- 52) G. Blasi, A. Bertolino: “The use of functional imaging to evaluate the neurobiology of putative schizophrenia susceptibility genes”. *Advances in Schizophrenia and Clinical Psychiatry*, 2006, 2 (4): 128-135.
- 53) A. Bertolino, G. Caforio, V. Petruzzella, V. Latorre, V. Rubino, S. Dimalta, A. Torracco, G. Blasi, R. Quartesan, V.S. Mattay, J.H. Callicott, D.R. Weinberger, T. Scarabino: “Prefrontal dysfunction in schizophrenia controlling for COMT val¹⁵⁸met genotype and working memory performance”. *Psychiatry Research: Neuroimaging*, 2006 Oct 30;147(2-3):221-6.
- 54) S. Marengo, A. Bertolino, D.R. Weinberger. In vivo NMR measures of NAA and the neurobiology of schizophrenia. *ADV EXP MED BIOL* 576: 227-240 2006.
- 55) F. Sambataro, S. Dimalta, T. Scarabino, A. Di Giorgio, P. Taurisano, G. Blasi, M. Nardini, A. Bertolino: “Preferential responses in amygdala and insula during presentation of facial contempt and disgust”. *European Journal of Neuroscience*, 2006 Oct;24(8):2355-62.
- 56) F Esposito, A Bertolino, T Scarabino, V Latorre, G Blasi, T Popolizio, G Tedeschi, S Cirillo, R Goebel, F Di Salle: Independent Component Model of the Default-mode Brain Function: Assessing the Impact of Active Thinking. *Brain Research Bulletin*, 2006 Oct 16;70(4-6):263-9.
- 57) G. Blasi, T.E. Goldberg, B. Elvevåg, R. Rasetti, A. Bertolino, J. Cohen, G. Alce, B. Zolnick, D.R. Weinberger, V.S. Mattay: “Differentiating control and conflict management within attentional processing”. *Eur J Neurosci*. 2007 Jan;25(2):594-602.
- 58) F Esposito, A Bertolino, T Scarabino, V Latorre, G Blasi, T Popolizio, G Tedeschi, S Cirillo, R Goebel, F Di Salle: Independent Component Model of the Default-mode Brain Function: Assessing the Impact of Active Thinking. *Brain Research Bulletin*, 2006 Oct 16;70(4-6):263-9

- 59) M Altamura, B Elvevåg, G Blasi, A Bertolino, JH Callicott, DR Weinberger, VS Mattay, TE Goldberg: “Dissociating the Effects of Sternberg Working Memory Demands in Prefrontal Cortex.” *Psychiatry Research: Neuroimaging*, 2007 Feb 28;154(2):103-14.
- 60) A Bertolino, G Caforio, G Blasi, A Rampino, L Sinibaldi, S Douzgou, M Nardini, DR Weinberger, B Dallapiccola. COMT Val158Met predicts negative symptoms response to treatment with olanzapine in schizophrenia. *Schizophrenia Research*, 2007; 95: 253–255.
- 61) V Rubino, G. Blasi, V Latorre, L Fazio, I D’Errico, V Mazzola, G Caforio, M Nardini, T Popolizio, A Hariri, G Arciero, A. Bertolino: “Activity in medial prefrontal cortex during cognitive evaluation of threatening stimuli as a function of personality style.” *Brain Research Bulletin*, 2007; Sep 28;74(4):250-7.
- 62) Y. Zhang, A. Bertolino, L. Fazio, G. Blasi, A. Rampino, R. Romano, ML Lee, T. Xiao, A. Papp, D. Wang, W. Sadee: “Polymorphisms in human dopamine D2 receptor gene affect gene expression, splicing, and neuronal activity during working memory”. *Proc Natl Acad Sci U S A*. 2007 Dec 18;104(51):20552-7. Epub 2007 Dec 11.
- 63) A. Bertolino, A. Di Giorgio, G. Blasi, F. Sambataro, G. Caforio, L. Sinibaldi, V. Latorre, A. Rampino, P. Taurisano, L. Fazio, R. Romano, S. Douzgou, B. Kolachana, M. Nardini, D.R. Weinberger, B. Dallapiccola: “Epistasis between dopamine regulating genes identifies a non-linear response of the human hippocampus during memory tasks”. *Biological Psychiatry*, 2008, August 1, 64 (3): 226-234
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D) ELENCO ATTIVITA' DIDATTICHE E DI TUTORAGGIO

1. Docente di “Psicosomatica” presso la Scuola di Specializzazione in Psichiatria della facoltà di Medicina e Chirurgia, Università degli Studi di Bari, A.A. 1999- 2004
2. Docente di “Fisiopatologia e Patofisiologia dello Sviluppo Senso-Motorio” presso la Scuola Regionale Interateneo di Specializzazione per la Formazione degli Insegnanti della Scuola Secondaria, Indirizzo Area Sanitaria e della Prevenzione Scienze Motorie, secondo semestre A.A. 1999- 2003
3. Modulo di didattica di “Schizofrenia” nel corso di lezioni di Clinica Psichiatrica (Titolare Professor Dello Russo), Facoltà di Medicina e Chirurgia A.A. 2001- 2003
4. Docente di “Psicobiologia” presso la Scuola di Specializzazione in Criminologia della facoltà di Medicina e Chirurgia, Università degli Studi di Bari, A.A. 2001- - 2004
5. Didattica integrativa di “Psicofisiologia Clinica” (Titolare Professor Federici), Scuola di Specializzazione in Psicologia Clinica della facoltà di Medicina e Chirurgia, Università degli Studi di Bari, A.A. 2000- 2002
6. Docente di “Fondamenti Anatomico-fisiologici della attività psichica e genetica umana”, Scuola di Specializzazione in Psicologia Clinica della facoltà di Medicina e Chirurgia, Università degli Studi di Bari, A.A. 2001- 2007
7. Docente di “Fondamenti di Neurofisiologia” Facoltà di Scienze della Formazione, Corso di Laurea di Scienze e Tecniche Psicologiche 2001- 2007
8. Docente di “Elementi di Psichiatria e Neuropsichiatria infantile” Facoltà di Scienze della Formazione, Corso di Laurea di Scienze e Tecniche Psicologiche 2007- 2011
9. Docente di “Psicopatologia” nell’ambito del Corso Integrato di Psichiatria e Psicologia Clinica, Corso di Laurea di Medicina e Chirurgia, Facoltà di Medicina e Chirurgia, Università degli Studi di Bari 2003-2006
10. Docente di “Psichiatria” nell’ambito del Corso Integrato di Psichiatria e Psicologia Clinica, Corso di Laurea di Medicina e Chirurgia, Facoltà di Medicina e Chirurgia, Università degli Studi di Bari 2007 –
11. Docente di Psichiatria nella Scuola di Specializzazione in Psichiatria, Facoltà di Medicina e Chirurgia, Università degli Studi di Bari 2015 -
12. Docente di “Interventi psichiatrici di urgenza” nell’ambito del Corso Integrato di Psichiatria e Psicologia Clinica, Corso di Laurea di Medicina e Chirurgia, Facoltà di Medicina e Chirurgia, Università degli Studi di Bari 2003- 2010

13. Attivita' di tutoraggio per specializzandi in Psichiatria presso la Scuola di Specializzazione in Psichiatria della facolta' di Medicina e Chirurgia, Universita' degli Studi di Bari, A.A. 1999-
14. Attivita' di tutoraggio per due Assegnisti di Ricerca per i progetti "PAZIENTI CON PRIMO EPISODIO DI SCHIZOFRENIA E DI PSICOSI AFFETTIVA: studio clinico e neurofunzionale" (2001-2005) e "PROTOCOLLO DI RICERCA PER LO STUDIO DEGLI EFFETTI DEL GENOTIPO COMT SULLA RISPOSTA TERAPEUTICA AD OLANZAPINA IN PAZIENTI CON SCHIZOFRENIA" (2002-2004)
15. Attivita' di tutoraggio per una dottoranda di ricerca nell'ambito del Dottorato di Ricerca in Neuroscienze dell'Universita' di Bari 2005 -

E) ATTIVITA' CLINICO-ASSISTENZIALI

L'attività clinico-assistenziale del Prof. Alessandro Bertolino è stata svolta nel periodo 1999-presente con equiparazione alla funzione di Dirigente Medico di 1° livello (art.102 del D.P.R. 382/80) presso il Servizio Psichiatrico di Diagnosi e Cura (SPDC) dell'Unità Operativa "Tamburro" dell'Azienda Ospedaliera Policlinico Consorziiale di Bari. Dall'anno 2000 affidamento delle seguenti funzioni assistenziali: Incarico di tipo 4, Area della Dirigenza Medica, Funzioni Dirigenziali di responsabile del "Centro per lo Studio ed il Trattamento dei Disturbi Cognitivi in corso di Malattie Mentali" afferente alla U.O. di Psichiatria II.

Il Prof. Alessandro Bertolino dal 1999 ha svolto regolarmente, con piena responsabilità in qualità di psichiatra strutturato, turni di guardia, visite ambulatoriali e attività di reparto presso l'Unità Operativa Psichiatria II dell'Azienda Ospedaliera Policlinico Consorziiale di Bari. Dal 2008, il Prof. Bertolino è stato responsabile del Reparto Uomini dell'Unità Operativa "Tamburro". Il Prof. Bertolino svolge la funzione di Primario presso la stessa Unità Operativa.

TESI DI SPECIALIZZAZIONE

Relatore: Professor Piero De Giacomo; **Specializzando:** Dottor Alessandro Bertolino:
“Multislice imaging di spettroscopia protonica con risonanza magnetica nucleare nello studio della schizofrenia: specifica regionalita’ di danno neuronale”

Il sottoscritto, consapevole che, secondo quanto previsto dall'art.76 del D.P.R. n.445 del 28.12.2000, le dichiarazioni mendaci sono punite ai sensi del codice penale e delle leggi speciali in materia, dichiara che quanto contenuto nel proprio curriculum corrisponde a verità

Bari, 11/03/2020

In fede

