

PROF. ALESSANDRO BERTOLINO - ELENCO DELLE PUBBLICAZIONI:

- 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 temporal-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 Burroni, 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. Das ¹, B.S. Kolachana, M.F. Egan, T.E. Goldberg, D.R. Weinberger: "Effect of Catechol-O -methyltransferase val met 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. Zoltick, 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. Torraco, 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. Marenco, 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. Zoltick, 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
- 64) A Di Giorgio, G Blasi, F Sambataro, A Rampino, A Papazacharias, F Gambi, R Romano, G Caforio, M Rizzo, V Latorre, T Popolizio, B Kolachana, JH Callicott, M Nardini, DR Weinberger, A. Bertolino. Association of the SerCys DISC1 polymorphism with human hippocampal formation gray matter and function during memory encoding. Eur J Neurosci 2008 Nov;28(10):2129-36

- 65) R Zanardi, B Barbini, D Rossini, A Bernasconi, F Fregni, F Padberg, S Rossi, A Wirz-Justice, M Terman, K Martiny, G Bersani, AR Hariri, L Pezawas, JP Roiser, A Bertolino, G Calabrese, L Magri, F Benedetti, A Pontiggia, A Malaguti, E Smeraldi, C Colombo. New perspectives on techniques for the clinical psychiatrist: Brain stimulation, chronobiology and psychiatric brain imaging. *Psychiatry Clin Neurosci.* 2008 Dec;62(6):627-37.
- 66) A. Bertolino, L. Fazio, G. Caforio, G. Blasi, A. Rampino, R. Romano, A. Di Giorgio, P. Taurisano, A. Papp, J. Pinsonneault, D. Wang, M. Nardini, T. Popolizio, W. Sadée. Functional variants of the dopamine receptor D2 gene modulate prefronto-striatal phenotypes in schizophrenia. *Brain.* 2009 Feb;132(Pt 2):417-25. Epub 2008 Oct 1.
- 67) G Blasi, AH Hariri, G Alce, P Taurisano, F Sambataro, A Bertolino, DR Weinberger, VS Mattay. Preferential amygdala reactivity to the negative assessment of neutral faces. *Biol Psychiatry.* 2009 Nov 1;66(9):847-53. Epub 2009 Aug 26.
- 68) A Bertolino, L Fazio, A Di Giorgio, G Blasi, R Romano, P Taurisano, G Caforio, L Sinibaldi, G Ursini, T Popolizio, E Tirotta, A Papp, B Dallapiccola, E Borrelli, W Sadée. Genetically determined interaction between the dopamine transporter and the D2 receptor on prefronto-striatal activity and volume in humans. *Journal of Neuroscience* January 28, 2009 • 29(4):1224 –1234
- 69) G Blasi, P Taurisano, A Papazacharias, G Caforio, R Romano, L Lobianco, L Fazio, A Di Giorgio, V Latorre, F Sambataro, T Popolizio, M Nardini, VS Mattay, DR Weinberger, A Bertolino. Non-linear response of the anterior cingulate and prefrontal cortex in schizophrenia as a function of variable attentional control. *Cereb Cortex.* 2010 Apr;20(4):837-45. Epub 2009 Jul 24.
- 70) A. Di Giorgio, F. Sambataro, A. Bertolino. Functional Imaging as a Tool to Investigate the Relationship between Genetic Variation and Response to Treatment with Antipsychotics. *Current Pharmaceutical Design,* 2009, 15, 2560-2572
- 71) S Huffaker, J Chen, KK Nicodemus, F Sambataro, F Yang, VS Mattay, BK Lipska, TM Hyde, J Song, D Rujescu, I Giegling, K Mayilyan, A Soghoyan, G Caforio, A Bertolino, A Meyer-Lindenberg, J Chang, M Egan, TE Goldberg, JE Kleinman, B Lu, DR Weinberger. A novel, primate-specific brain isoform of KCNH2: Role in hippocampal biology, neuronal repolarization, cognition, and association with schizophrenia. *Nature Medicine,* 2009 May;15(5):509-18. Epub 2009 May 3
- 72) A Bertolino, G Blasi: The genetics of schizophrenia. *Neuroscience.* 2009 Nov 24;164(1):288-99. Epub 2009 Apr 22.
- 73) G Blasi, T Popolizio, P Taurisano, G Caforio, R Romano, A Di Giorgio, F Sambataro, V Rubino, V Latorre, L Lobianco, L Fazio, M Nardini, DR Weinberger, A Bertolino. Changes in prefrontal and amygdala activity during olanzapine treatment in schizophrenia. *Psychiatry Res.* 2009 Jul 15;173(1):31-8. Epub 2009 May 9.
- 74) S Pini, M Abelli, KM Shear, A Cardini, L Lari, C Gesi, M Muti, S Calugi, S Galderisi, A Troisi, A Bertolino, GB Cassano. Frequency and clinical correlates of adult separation anxiety in a sample of 508 outpatients with mood and anxiety disorders. *Acta Psychiatrica Scandinavica* 2009 Oct 13. [Epub ahead of print]
- 75) F Sambataro, G Blasi, L Fazio, G Caforio, P Taurisano, R Romano, A Di Giorgio, B Gelao, L Lobianco, A Papazacharias, T Popolizio, M Nardini, A Bertolino. Treatment with olanzapine is associated with modulation of the default mode network in patients with schizophrenia. *Neuropsychopharmacology,* 2010 Mar;35(4):904-12. Epub 2009 Dec 2.

- 76) G Blasi, L Lo Bianco, P Taurisano, B Gelao, R Romano, L Fazio, A Papazacharias, A Di Giorgio, G. Caforio, A. Rampino, R Masellis, A Papp, G Ursini, L Sinibaldi, T Popolizio, W Sadee, A Bertolino. Functional variation of the dopamine D2 receptor gene is associated with emotional control as well as brain activity and connectivity during emotion processing in humans. *Journal of Neuroscience*, 2009 Nov 25;29(47):14812-14819.
- 77) A Bertolino, P Taurisano, NM Pisciotta, G Blasi, L Fazio, R Romano, B Gelao, L Lo Bianco, M Lozupone, A Di Giorgio, G Caforio, F Sambataro, A Niccoli-Asabella, A Papp, G Ursini, L Sinibaldi, T Popolizio, W Sadee, G Rubini. Genetically determined measures of striatal D2 signaling predict prefrontal activity during working memory performance. *PLoS ONE*, 2010 Feb 22;5(2):e9348.
- 78) A Di Giorgio, G Caforio, G Blasi, P Taurisano, L Fazio, R Romano, GL Ursini, B Gelao, L Lo Bianco, A Papazacharias, L Sinibaldi, T Popolizio, A Bellomo, A Bertolino. Catechol-O-Methyltransferase Val¹⁵⁸Met association with parahippocampal physiology during memory encoding in schizophrenia. *Psychol Med*. 2010 Dec 13:1-11. [Epub ahead of print]
- 79) L Fazio, G Blasi, P Taurisano, A Papazacharias, R Romano, B Gelao, GL Ursini, T Quarto, L Lo Bianco, A Di Giorgio, M Mancini, T Popolizio, G. Rubini, A Bertolino. D2 receptor genotype and striatal dopamine signaling predict motor cortical activity and behavior in humans. *Neuroimage*. 2011 Feb 14;54(4):2915-21. Epub 2010 Nov 16.
- 80) G Blasi, F Napolitano, G Ursini, P Taurisano, R Romano, G Caforio, L Fazio, B Gelao, A Di Giorgio, L Iacobelli, L Sinibaldi, T Popolizio, A Usiello, A Bertolino. DRD2/AKT1 interaction on D2 c-AMP independent signaling, attentional processing and response to olanzapine treatment in schizophrenia. *Proc Natl Acad Sci U S A*. 2011 Jan 18;108(3):1158-63. Epub 2010 Dec 27.
- 81) JK Pinsonneault, D Han, M Kataki, A Bertolino, AK Malhotra, H Gu, W Sadee. A dopamine transporter gene variant that affects expression in human brain and associates with bipolar disorder. *Neuropsychopharmacology*. 2011 Jul;36(8):1644-55. doi: 10.1038/npp.2011.45. Epub 2011 Apr 27.
- 82) D Martino, A Di Giorgio, E D'Ambrosio, T Popolizio, A Macerollo, P Livrea, A Bertolino, G Defazio. Cortical gray matter changes in primary blepharospasm: a voxel-based morphometry study. *Mov Disord* 2011 Jun 29. doi: 10.1002/mds.23724. [Epub ahead of print].
- 83) Ursini G, Bollati V, Fazio L, Porcelli A, Iacobelli L, Catalani A, Sinibaldi L, Gelao B, Romano R, Rampino A, Taurisano P, Mancini M, Di Giorgio A, Popolizio T, Baccarelli A, De Blasi A, Blasi G, Bertolino A. Stress-related methylation of the catechol-O-methyltransferase Val 158 allele predicts human prefrontal cognition and activity. *J Neurosci*. 2011 May 4;31(18):6692-8.
- 84) F Sambataro, L Fazio, P Taurisano, B Gelao, A Porcelli, M Mancini, L Sinibaldi, G Ursini, R Masellis, G Caforio, A Di Giorgio, A Niccoli-Asabella, T Popolizio, G Blasi, A Bertolino. DRD2 genotype based variation of default mode network activity and of its relationship with striatal DAT binding. *Schizophrenia Bulletin*, Oct 15 2011 Epub ahead of print.
- 85) Lo Bianco L, G Blasi, P Taurisano, A Di Giorgio, F Ferrante, G Ursini, L Fazio, Barbara Gelao, R Romano, A Papazacharias, G Caforio, L Sinibaldi, T Popolizio, C Bellantuono, A Bertolino: Interaction between Comt Val¹⁵⁸Met genotype and genetic vulnerability to schizophrenia during explicit processing of aversive facial stimuli. *Psychol Med*. 2013 Feb;43(2):279-92. doi: 10.1017/S0033291712001134. Epub 2012 May 23

- 86) G Vecchione, B Casetta, A Chiapparino, A Bertolino, M Tomaiuolo, F Cappuccia, R Gatta, M Margaglione, E Grandone, A reliable and rapid tool for plasma quantification of 18 psychotropic drugs by ESI tandem mass spectrometry. *J Pharm Biomed Anal.* 2012 Aug-Sep;67-68:104-13. Epub 2012 Apr 26.
- 87) A Di Giorgio, B Gelao, G Caforio, R Romano, I Andriola, E D'Ambrosio, A Papazacharias, F Elifani, L Lo Bianco, P Taurisano, L Fazio, T Popolizio, G Blasi, A Bertolino. Evidence that hippocampal-parahippocampal dysfunction is related to genetic risk for schizophrenia. *Psychol Med.* 2012 Oct 31:1-11. [Epub ahead of print]
- 88) M Altamura, L Fazio, M De Salvia, A Petito, G Blasi, P Taurisano, R Romano, B Gelao, A Bellomo, A Bertolino. Abnormal functional motor lateralization in healthy siblings of patients with schizophrenia. *Psychiatry Res.* 2012 Jul 30;203(1):54-60. Epub 2012 Aug 15.
- 89) P Taurisano, G Blasi, R Romano, F Sambataro, L Fazio, B Gelao, G Ursini, L Lo Bianco, A Di Giorgio, F Ferrante, A Papazacharias, A Porcelli, L Sinibaldi, T Popolizio, A Bertolino. DAT by perceived MC interaction on human prefrontal activity and connectivity during emotion processing. *Soc Cogn Affect Neurosci.* 2012 Sep 30. [Epub ahead of print]
- 90) G Blasi, C De Virgilio, A Papazacharias, P Taurisano, B Gelao, L Fazio1, G Ursini, L Sinibaldi, I Andriola, R Masellis, R Romano, A Rampino, A Di Giorgio, L Lo Bianco, G Caforio, Francesco Piva, T Popolizio, C Bellantuono, O Todarello, JE Kleinman, G Gadaleta, DR Weinberger, A Bertolino. Converging evidence for the association of functional genetic variation in HTR2A with prefrontal physiology and olanzapine treatment. *JAMA Psychiatry*, 2013 Sep 1;70(9):921-30.
- 91) G Blasi, F Napolitano, G Ursini, A Di Giorgio, G Caforio, P Taurisano, L Fazio, B Gelao, MT Attrotto, L Colagiorgio, G Todarello, F Piva, A Papzacharias, R Masellis, M Mancini, A Porcelli, R Romano, A Rampino, T Quarto, M Giulietti, BK Lipska, JE Kleinman, T Popolizio, DR Weinberger, A Usiello, A Bertolino. GSK-3 β genetic variation is associated with GSK-3 β expression, prefrontal cortical thickness, prefrontal physiology, and schizophrenia. *Am J Psychiatry*, 2013 Aug 1;170(8):868-76.
- 92) G Caforio, A Di Giorgio, A Rampino, M Rizzo, R Romano, P Taurisano, L Fazio, G De Simeis, G Ursini, G Blasi, M Nardini, M Mancini, A Bertolino. Mirtazapine add-on improves olanzapine effect on negative symptoms of schizophrenia. *J Clin Psychopharmacol.* 2013 Oct 9. [Epub ahead of print]
- 93) F Errico, F Napolitano, M Squillace, D Vitucci, G Blasi, A de Bartolomeis, A Bertolino, A D'Aniello, A Usiello. Decreased levels of D-Aspartate and NMDA in the prefrontal cortex and striatum of patients with schizophrenia. *J Psychiatr Res.* 2013 Oct;47(10):1432-7. doi: 10.1016/j.jpsychires.2013.06.013. Epub 2013 Jul 6.
- 94) C Tortorella, R Romano, V Direnzo, P Taurisano, S Zoccolella, P Iaffaldano, L Fazio, R Viterbo, T Popolizio, G Blasi, A Bertolino, M Trojano. Load-dependent dysfunction of the putamen during attentional processing in patients with clinically isolated syndrome suggestive of multiple sclerosis. *Mult Scler.* 2013 Aug;19(9):1153-60. doi: 10.1177/1352458512473671. Epub 2013 Jan 17.
- 95) B Gelao, L Fazio, P Selvaggi, A Di Giorgio, P Taurisano, T Quarto, R Romano, A Porcelli, M Mancini, R Masellis, G Ursini, G De Simeis, G Caforio, L Ferranti, L Lo Bianco, A Rampino, O Todarello, T Popolizio, G Blasi, A Bertolino. DRD2 genotype predicts prefrontal activity during working memory after stimulation of D2 receptors with bromocriptine. *Psychopharmacology*, (2014) 231:2361–2370

- 96) G Todarello, N Feng, BS Kolachana, C Li, R Vakkalanka, A Bertolino, DR Weinberger, RE Straub. Incomplete penetrance of NRXN1 deletions in families with schizophrenia. *Schizophr Res.* 2014 May;155(1-3):1-7. doi: 10.1016/j.schres.2014.02.023. Epub 2014 Mar 26
- 97) A Di Giorgio, RM Smith, L Fazio, B Gelao, A Tomasicchio, P Selvaggi, P Taurisano, T Quarto, R Masellis, A Rampino, G Caforio, T Popolizio, G Blasi, W Sadee, A Bertolino. DRD2/CHRNA5 interaction on prefrontal biology and physiology during working memory. *PLoS ONE*, 2014; 9(5): e95997. doi:10.1371/journal.pone.0095997
- 98) P Taurisano, R Romano, M Mancini, A Di Giorgio, L Antonucci, L Fazio, A Rampino, T Quarto, B Gelao, A Porcelli, A Papazacharias, G Ursini, G Caforio, R Masellis, A Niccoli-Asabella, O Todarello, T Popolizio, G Rubini, G Blasi, A Bertolino. Prefronto-striatal physiology is associated with schizotypy and is modulated by a functional variant of DRD2. *Front Behav Neurosci.* 2014 Jul 9;8:235. doi: 10.3389/fnbeh.2014.00235. eCollection 2014.
- 99) F Errico, R Nisticò, A Di Giorgio, M Squillace, D Vitucci, A Galbusera, S Piccinin, D Mango, L Fazio, NB Mercuri, S Middei, S Trizio, D Centonze, A Gozzi, G Blasi, A Bertolino, A Usiello. Free D-aspartate regulates neuronal dendritic morphology, synaptic plasticity, grey matter volume and brain activity in mammals. *Transl Psychiatry*. 2014 Jul 29;4:e417. doi: 10.1038/tp.2014.59.
- 100) A Rampino, RM Walker, HS Torrance, S Maguire Anderson, L Fazio, A Di Giorgio, P Taurisano, B Gelao, R Romano, R Masellis, G Ursini, G Caforio, G Blasi, J. Kirsty Millar, DJ Porteous, PA Thomson, A Bertolino#, KL Evans Expression of DISC1-Interactome Members Correlates with Cognitive Phenotypes Related to Schizophrenia *PLoS One*. 2014 Jun 18;9(6):e99892. doi: 10.1371/journal.pone.0099892. eCollection 2014.
- 101) T Quarto, G Blasi, KJ Pallesen, A Bertolino, E Brattico. 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. eCollection 2014
- 102) M Colizzi, L Fazio, L Ferranti, A Porcelli, R Masellis, D Marvulli, A Bonvino, G Ursini, G Blasi, A Bertolino. Functional genetic variation of the cannabinoid receptor 1 and cannabis use interact on prefrontal connectivity and related working memory behavior. *Neuropsychopharmacology*. 2015 Feb;40(3):640-9. doi:10.1038/npp.2014.213. Epub 2014 Aug 20.
- 103) C Tortorella, V Direnzo, P Taurisano, R Romano, M Ruggieri, S Zoccolella, M Mastrapasqua, T Popolizio, G Blasi, A Bertolino and M Trojano. Cerebrospinal fluid neurofilament tracks fMRI correlates of attention at the first attack of multiple sclerosis. *Multiple Sclerosis Journal* 2014 Aug 28. pii: 1352458514546789. [Epub ahead of print]
- 104) J Dukart, A Bertolino. When structure affects function - the need for partial volume effect correction in functional and resting state magnetic resonance imaging studies. *PLoS ONE* (2014) (12): e114227. doi:10.1371/journal.pone.0114227
- 105) A Mucci, P Rucci, P Rocca, P Bucci P, D Gibertoni, E Merlotti, S Galderisi, M Maj; Italian Network for Research on Psychoses. The Specific Level of Functioning Scale: construct validity, internal consistency and factor structure in a large Italian sample of people with schizophrenia living in the community. *Schizophr Res.* 2014 Oct;159(1):144-50. doi: 10.1016/j.schres.2014.07.044. Epub 2014 Aug 30.
- 106) G Blasi, P Selvaggi, L Fazio, L Antonucci, P Taurisano, R Masellis, R Romano, M Mancini, F Zhang, G Caforio, T Popolizio, J Apud, DR Weinberger, A Bertolino. Variation in dopamine D2 and serotonin 5-HT2A receptor genes is

associated with working memory processing and response to treatment with antipsychotics. *Neuropsychopharmacology*. 2015 Jan 7. doi: 10.1038/npp.2015.5. [Epub ahead of print]

- 107) G Pergola, P Selvaggi, S Trizio, A Bertolino, G Blasi. The role of the thalamus in schizophrenia from a neuroimaging perspective. *Neurosci Biobehav Rev*. 2015 Jan 20. pii: S0149-7634(15)00015-9. doi: 10.1016/j.neubiorev.2015.01.013. [Epub ahead of print] Review.
- 108) F Errico, V D'Argenio, F Sforazzini, F Iasevoli, M Squillace, G Guerri, F Napolitano, T Angrisano, A Di Maio, S Keller, D Vitucci, A Galbusera, L Chiariotti, A Bertolino, A de Bartolomeis, F Salvatore, A Gozzi, A Usiello. A role for D-aspartate oxidase in schizophrenia and in schizophrenia-related symptoms induced by phencyclidine in mice. *Transl Psychiatry*. 2015 Feb 17;5:e512. doi: 10.1038/tp.2015.2.
- 109) M Colizzi, C Iyegbe, J Powell, GL Ursini, A Porcelli, A Bonvino, P Taurisano, R Romano, R Masellis, G Blasi, C Morgan, K Aitchison, V Mondelli, S Luzi, A Kolliakou, RM Murray, A Bertolino, M Di Forti. Interaction between functional genetic variation of DRD2 and cannabis use on risk of psychosis. *Schizophrenia Bulletin*, 2015 Mar 31. pii: sbv032. [Epub ahead of print]
- 110) E Scarr, MJ Millan, S Bahn, A Bertolino, CW Turck, S Kapur, HJ Möller, B Dean. Biomarkers for psychiatry: the journey from fantasy to fact, a report of the 2013 CINP Think Tank. *Int J Neuropsychopharmacol*. 2015 Apr 21. pii: pyv042. doi: 10.1093/ijnp/pyv042.
- 111) B Dell'Osso, C Cinnante, A Di Giorgio, L Cremaschi, MC Palazzo, M Cristoffanini, L Fazio, C Dobrea, S Avignone, F Triulzi, A Bertolino, AC Altamura. Altered prefrontal cortex activity during working memory task in Bipolar Disorder: a functional magnetic resonance imaging study in euthymic bipolar I and II patients. *J Affect Disord*. 2015 Sep 15;184:116-22. doi: 10.1016/j.jad.2015.05.026. Epub 2015 May 21.
- 112) T Del Giudice, C Latapy, A Rampino, J Khlgatyan, B Gelao, T Quarto, G Rizzo, A Barbeau, C Lamarre, A Bertolino, G Blasi, JM Beaulieu. FXR1P is a GSK3 β substrate regulating mood and emotionality. *Proc Natl Acad Sci U S A*. 2015 Aug 18;112(33):E4610-9. doi: 10.1073/pnas.1506491112. Epub 2015 Aug 3.
- 113) D Vitucci, A Di Giorgio, F Napolitano, B Pelosi, G Blasi, F Errico, MT Attrotto, B Gelao, L Fazio, P Taurisano, A Di Maio, V Marsili, M Pasqualetti, A Bertolino, A Usiello. Rasd2 modulates prefronto-striatal phenotypes in humans and "schizophrenia-like behaviors" in mice. *Neuropsychopharmacology*. 2016 Feb;41(3):916-27. doi: 10.1038/npp.2015.228. Epub 2015 Jul 31.
- 114) M Colizzi, C Iyegbe, J Powell, G Blasi, A Bertolino, RM Murray and M Di Forti. Interaction between DRD2 and AKT1 genetic variations on risk of psychosis in cannabis users: a case control study. *NPJ Schizophrenia* (2015) 1, 1-4, published online 18 November 2015
- 115) J Dukart, F Sambataro, A Bertolino. Accurate Prediction of Conversion to Alzheimer's Disease using Imaging, Genetic and Neuropsychological Biomarkers. *J Alzheimers Dis*. 2015 Nov 23;49(4):1143-59. doi: 10.3233/JAD-150570
- 116) GL Ursini, T Cavalleri, L Fazio, T Angrisano, L Iacovelli, A Porcelli, G Maddalena, G Punzi, M Mancini, B Gelao, R Romano, R Masellis, F Calabrese, A Rampino, P Taurisano, A Di Giorgio, S Keller, L Tarantini, L Sinibaldi, T Quarto, T Popolizio, G Caforio, G Blasi, MA Riva, A De Blasi, L Chiariotti, V Bollati, A Bertolino. BDNF rs6265 methylation and genotype interact on risk for schizophrenia. *Epigenetics*. 2016;11(1):11-23. doi:10.1080/15592294.2015.1117736. Epub 2016 Feb 18.

- 117) G Pergola, P Di Carlo, I Andriola, S Torretta, MT Attrotto, L Fazio, A Raio, D Albergo, R Masellis, B Gelao, A Rampino, G Blasi, A Bertolino. Combined Effect of Genetic Variants in GRIN2B on Prefrontal Function during Working Memory Performance. *Psychological Medicine* 2016 Apr;46(6):1135-50. doi: 10.1017/S0033291715002639. Epub 2015 Dec 22.
- 118) T Quarto, G Blasi, C Maddalena, G Viscanti, T Lanciano, E Soleti, I Mangiulli, P Taurisano, L Fazio, A Bertolino, A Curci. 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. eCollection 2016.
- 119) LA Antonucci, P Taurisano, L Fazio, B Gelao, R Romano, T Quarto, A Porcelli, M Mancini, A Di Giorgio, G Caforio, G Pergola, T Popolizio, A Bertolino, G Blasi Association of familial risk for schizophrenia with thalamic and medial prefrontal functional connectivity during attentional control. *Schizophr Res.* 2016 May;173(1-2):23-9. doi: 10.1016/j.schres.2016.03.014. Epub 2016 Mar 21.
- 120) H Cao*, A Bertolino*, H Walter*, M Schneider, A Schäfer, P Taurisano, G Blasi, L Haddad, O Grimm, K Otto, L Dixson, S Erk, S Mohnke, A Heinz, N Romanczuk-Seiferth, TW Mühleisen, M Mattheisen, SH Witt, S Cichon, M Noethen, M Rietschel, H Tost, Andreas Meyer-Lindenberg. Altered functional subnetwork during emotional face processing: a potential intermediate phenotype for schizophrenia, *JAMA Psychiatry*. 2016 Jun 1;73(6):598-605.doi: 10.1001/jamapsychiatry.2016.0161
- 121) P Taurisano, LA Antonucci, L Fazio, A Rampino, R Romano, A Porcelli, R Masellis, M Colizzi, T Quarto, S Torretta, A Di Giorgio, G Pergola, A Bertolino, G Blasi. Prefrontal activity during working memory is modulated by the interaction of variation in CB1 and COX2 coding genes and correlates with frequency of cannabis use. *Cortex*, 81 (2016) 231- 238
- 122) V Mazzola, G Arciero, L Fazio, T Lanciano, B Gelao, T Popolizio, P Vuilleumier, G Bondolfi, A Bertolino. What impact does an angry context have upon us? The effect of anger on functional connectivity of the right insula and superior temporal gyri. *Front Behav Neurosci*. 2016 Jun 6;10:109. doi: 10.3389/fnbeh.2016.00109. eCollection 2016.
- 123) A Rossi, S Galderisi, P Rocca, A Bertolino, A Mucci, P Rucci, D Gibertoni, E Aguglia, M Amore, I Andriola, A Bellomo, M Biondi, G Callista, A Comparelli, L Dell'Osso, M Di Giannantonio, A Fagiolini, C Marchesi, P Monteleone, C Montemagni, C Niolu, G Piegari, F Pinna, R Roncone, P Stratta, E Tenconi, A Vita, P Zeppegno, M Maj, Italian Network for Research on Psychoses. The relationships of personal resources with symptom severity and psychosocial functioning in persons with schizophrenia. Results from the Italian Network for Research on Psychoses study. *Eur Arch Psychiatry Clin Neurosci*. 2017 Jun;267(4):285-294. doi: 10.1007/s00406-016-0710-9. Epub 2016 Jul 6.
- 124) G Pergola, S Trizio, P Di Carlo, P Taurisano, M Mancini, Nicola Amoroso, MA Nettis, I Andriola, G Caforio, T Popolizio, A Rampino, A Di Giorgio, A Bertolino, G Blasi. Grey Matter Volume Patterns in Thalamic Nuclei are Associated with Familial Risk for Schizophrenia. *Schizophr Res.* 2017 Feb;180:13-20. doi: 10.1016/j.schres.2016.07.005. Epub 2016 Jul 21.
- 125) A. Rampino, P Di Carlo, L. Fazio, G.L. Ursini, G. Pergola, C. De Virgilio, G. Gadaleta, G.M. Giordano, A. Bertolino, G. Blasi. Association of functional genetic variation in PP2A with prefrontal working memory processing. *Behav Brain Res.* 2017 Jan 1;316:125-130. doi: 10.1016/j.bbr.2016.08.054. Epub 2016 Aug 31
- 126) G. Breen, Q. Li, B.L. Roth, P. O'Donnell, M. Didriksen, R. Dolmetsch, P. O'Reilly, H. Gaspar, H. Manji, C. Huebel, J.R. Kelsoe, D. Malhotra, A. Bertolino, D. Posthuma, P. Sklar, S. Kapur, P.F. Sullivan, D.A. Collier, H.J. Edenberg: Translating Genomewide Association Findings into New Therapeutics for Psychiatry. *Nat Neurosci*. 2016 Oct 26;19(11):1392-1396. doi: 10.1038/nn.4411. Review.
- 127) A Luoni, R Massart, V Nieratschker, Z Nemoda, G Blasi, M Gilles, SH Witt, MJ Suderman, SJ Suomi, A Porcelli, G

Rizzo, L Fazio, S Torretta, A Rampino, A Berry, P Gass, F Cirulli, M Rietschel, A Bertolino, M Deusdle, M Szyf, M Riva. Ankyrin-3 as a Molecular Marker of Early Life Stress and Vulnerability to Psychiatric Disorders. *Transl Psychiatry*. 2016 Nov 8;6(11):e943. doi: 10.1038/tp.2016.211.

- 128) G Pergola, P Di Carlo, E D'Ambrosio, B Gelao, L Fazio, M Papalino, A Monda, G Scozia, B Pietrangelo, M Attrotto, JA Apud, Q Chen, VS Mattay, A Rampino, G Caforio, DR Weinberger, G Blasi and A Bertolino. DRD2 co-expression network and a related polygenic index predict imaging, behavioral and clinical phenotypes linked to schizophrenia. *Transl Psychiatry*. 2017 Jan 17;7(1):e1006. doi: 10.1038/tp.2016.253.
- 129) J Dukart, F Sambataro, A Bertolino, Distinct role of striatal functional connectivity and dopaminergic loss in Parkinson's symptoms. *Front Aging Neurosci*. 2017 May 23;9:151. doi: 10.3389/fnagi.2017.00151. eCollection 2017. 7
- 130) S Sacchi, V De Novellis, G Paolone, T Nuzzo, M Iannotta, C Belardo, M Squillace, P Bolognesi, E Rosini, Z Motta, M Frassinetti, A Bertolino, L Pollegioni, M Morari, S Maione, F Errico, A Usiello. Olanzapine, but not clozapine, increases glutamate release in the prefrontal cortex of freely moving mice by inhibiting D-aspartate oxidase activity. *Sci Rep*. 2017 Apr 10;7:46288. doi: 10.1038/srep46288.
- 131) T Nuzzo, S Sacchi, F Errico, S Keller, O Palumbo, E Florio, D Punzo, F Napolitano, M Copetti, M Carella, L Chiariotti, A Bertolino, L Pollegioni, A Usiello. Decreased free D-aspartate levels are linked to enhanced D-aspartate oxidase activity in the dorsolateral prefrontal cortex of schizophrenia patients. *NPJ Schizophr*. 2017 Apr 6;3:16. doi: 10.1038/s41537-017-0015-7. eCollection 2017.
- 132) T Moerget, N Trung Doan, D Alnæs, T Kaufmann, A Palomera, T Lagerberg, J Diedrichsen, E Schwarz, M Zink, P Kirsch, S Eisenacher, E Jonsson, H Fatouros-Bergman, L Flyckt, G Pergola, T Quarto, A Bertolino, D Barch, A Meyer-Lindenberg, I Agartz, O Andreassen, and L Tjelta Westlye. Cerebellar volume and cerebello-cerebral structural covariance in schizophrenia - a multi-site mega-analysis of 983 patients and 1349 healthy controls. *Mol Psychiatry*. 2018 Jun;23(6):1512-1520. doi: 10.1038/mp.2017.106. Epub 2017 May 16.
- 133) E. Walton, D. P. Hibar, T. G. M. van Erp, S. G. Potkin, R. Roiz-Santianez, B. Crespo-Facorro, P. Suarez-Pinilla, N. E. M. Van Haren, S. M. C. de Zwart, R. S. Kahn, W. Cahn, N. T. Doan, K. N. Jørgensen, T. P. Gurholt, I. Agartz, O. A. Andreassen, L. T. Westlye, I. Melle, A. O. Berg, L. Mørch-Johnsen, A. Færden, L. Flyckt, H. Fatouros-Bergman, Karolinska Schizophrenia Project Consortium (KaSP), E. G. Jönsson, R. Hashimoto, H. Yamamori, M. Fukunaga, A. Preda, P. De Rossi, F. Piras, N. Banaj, V. Ciullo, G. Spalletta, R. E. Gur, R. C. Gur, D. H. Wolf, T. D. Satterthwaite, L. M. Beard, I. E. Sommer, S. Koops, O. Gruber, A. Richter, B. Krämer, S. Kelly, G. Donohoe, C. McDonald, D. M. Cannon, A. Corvin, M. Gill, A. Di Giorgio, A. Bertolino, T. Nickson, S. Lawrie, H. C. Whalley, E. Neilson, V. D. Calhoun, P. M. Thompson, J. A. Turner, S. Ehrlich. Positive symptoms associate with cortical thinning in the superior temporal gyrus via the ENIGMA Schizophrenia consortium. *Acta Psychiatr Scand*. 2017 May;135(5):439-447. doi: 10.1111/acps.12718. Epub 2017 Mar 29.
- 134) U Bonati, S Holiga, N Hellbach, C Risterucci, T Bergauer, W Tang, P Hafner, A Thoeni, O Bieri, I Gerlach, A Marquet, O Khwaja, F Sambataro, A Bertolino, J Dukart, A Fischmann, D Fischer, C Czech. Longitudinal characterization of biomarkers for spinal muscular atrophy. *Ann Clin Transl Neurol*. 2017 Apr 11;4(5):292-304. doi: 10.1002/acn3.406. eCollection 2017 May.
- 135) A Rossi, M Amore, S Galderisi, P Rocca, A Bertolino, E Aguglia, G Amodeo, A Bellomo, P Bucci, A Buzzanca, B

Carpinello, A Comparelli, L Dell’Osso, M di Giannantonio, M Mancini, C Marchesi, P Monteleone, C Montemagni, L Oldani, R Roncone, A Siracusano, P Stratta, E Tenconi, A Vignapiano, A Vita, P Zeppegno, M Maj. The complex relationship between self-reported ‘personal recovery’ and clinical recovery in schizophrenia. *Schizophr Res.* 2018 Feb;192:108-112. doi: 10.1016/j.schres.2017.04.040. Epub 2017 May 9.

- 136) A Rampino, P Taurisano, G Fanelli, M Attrotto, S Torretta, LA Antonucci, G Miccolis, G Pergola, GL Ursini, G Maddalena, R Romano, P Di Carlo, R Masellis, P Pignataro, G Blasi, A Bertolino. A Polygenic Risk Score of glutamatergic SNPs associated with schizophrenia predicts attentional behavior and related brain activity in healthy humans. *Eur Neuropsychopharmacol.* 2017 Sep;27(9):928-939. doi: 10.1016/j.euroeuro.2017.06.005. Epub 2017 Jun 23.
- 137) E. Walton, D. P. Hibar, T. G. M. van Erp, S. G. Potkin, R. Roiz-Santianez, B. Crespo-Facorro, P. Suarez-Pinilla, N. E. M. Van Haren, S. M. C. de Zwarte, R. S. Kahn, W. Cahn, N. T. Doan, K. N. Jørgensen, T. P. Gurholt, I. Agartz, O. A. Andreassen, L. T. Westlye, I. Melle, A. O. Berg, L. Mørch-Johnsen, A. Færden, L. Flyckt, H. Fatouros-Bergman, Karolinska Schizophrenia Project Consortium (KaSP), E. G. Jönsson, R. Hashimoto, H. Yamamori, M. Fukunaga, A. Preda, P. De Rossi, F. Piras, N. Banaj, V. Ciullo, G. Spalletta, R. E. Gur, R. C. Gur, D. H. Wolf, T. D. Satterthwaite, L. M. Beard, I. E. Sommer, S. Koops, O. Gruber, A. Richter, B. Krämer, S. Kelly, G. Donohoe, C. McDonald, D. M. Cannon, A. Corvin, M. Gill, A. Di Giorgio, A. Bertolino, T. Nickson, S. Lawrie, H. C. Whalley, E. Neilson, V. D. Calhoun, P. M. Thompson, J. A. Turner, S. Ehrlich. Prefrontal cortical thinning links to negative symptoms in schizophrenia via the ENIGMA consortium. *Psychol Med.* 2018 Jan;48(1):82-94. doi: 10.1017/S0033291717001283. Epub 2017 May 26.
- 138) L Lo Bianco, MT Attrotto, S Torretta, R Masellis, A Rampino, E D’Ambrosio, AB Di Giorgio, L Ferranti, L Fazio, B Gelao, G Blasi, A Bertolino. Genetic variation is associated with *RTN4R* expression and working memory processing in healthy humans. *Brain Res Bull.* 2017 Sep;134:162-167. doi: 10.1016/j.brainresbull.2017.07.015. Epub 2017 Jul 26.
- 139) PCT Hawkins, TC Wood, AC Vernon, A Bertolino, F Sambataro, J Dukart, E Merlo- Pich, C Risterucci, H Silber-Baumann, E Walsh, N Mazibuko, FO Zelaya, Ma Mehta. An investigation of regional cerebral blood flow and tissue structure changes after acute administration of antipsychotics in healthy male volunteers. *Hum Brain Mapp.* 2018 Jan;39(1):319-331. doi: 10.1002/hbm.23844. Epub 2017 Oct 23
- 140) Q Chen Q, GL Ursini, AL Romer, AR Knodt, K Mezeivtch, E Xiao, G Pergola, G Blasi, RE Straub, JH Callicott, KF Berman, AR Hariri, A Bertolino, VS MAttay, DR Weinberger. Schizophrenia polygenic risk score predicts mnemonic hippocampal activity. *Brain.* 2018 Apr 1;141(4):1218-1228. doi: 10.1093/brain/awy004.
- 141) PL Selvaggi, G Pergola, B Gelao, P Di Carlo, MA Nettis, G Amico, L Fazio, A Rampino, F Sambataro, G Blasi, A Bertolino. Genetic variation of a DRD2 co-expression network is associated with changes in prefrontal function after D2 receptor stimulation. *Cereb Cortex.* 2019 Mar 1;29(3):1162-1173
- 142) J Dukart, S Holiga, C Chatham, P Hawkins, A Forsyth, R McMillan, J Myers, AR Lingford-Hughes, DJ Nutt, E Merlo-Pich, C Risterucci, L Boak, D Umbricht, S Schobel, T Liu, MA Mehta, FO Zelaya, SC Williams, G Brown, M Paulus, GD Honey, S Muthukumaraswamy, J Hipp, A Bertolino, F Sambataro. Cerebral Blood Flow predicts differential neurotransmitter activity. *Sci Rep.* 2018 Mar 6;8(1):4074.
- 143) van der Meer D, Rokicki J, Kaufmann T, Córdova-Palomera A, Moberget T, Alnæs D, Bettella F, Frei O, Doan NT, Sønderby IE, Smeland OB, Agartz I, Bertolino A, Bralten J, Brandt CL, Buitelaar JK, Djurovic S, van Donkelaar

M, Dørum ES, Espeseth T, Faraone SV, Fernández G, Fisher SE, Franke B, Haatveit B, Hartman CA, Hoekstra PJ, Håberg AK, Jönsson EG, Kolskår KK, Le Hellard S, Lund MJ, Lundervold AJ, Lundervold A, Melle I, Monereo Sánchez J, Norbom LC, Nordvik JE, Nyberg L, Oosterlaan J, Papalino M, Papassotiropoulos A, Pergola G, de Quervain DJF, Richard G, Sanders AM, Selvaggi P, Shumskaya E, Steen VM, Tønnesen S, Ulrichsen KM, Zwiers MP, Andreassen OA, Westlye LT; Alzheimer's Disease Neuroimaging Initiative; Pediatric Imaging, Neurocognition and Genetics Study. Brain scans from 21,297 individuals reveal the genetic architecture of hippocampal subfield volumes. *Mol Psychiatry*. 2018 Oct 2. doi: 10.1038/s41380-018-0262-7. [Epub ahead of print]

- 144) Nettis MA, Pergola G, Kolliakou A, O'Connor J, Bonaccorso S, David A, Gaughran F, Di Forti M, Murray RM, Marques TR, Blasi G, Bertolino A, Pariante CM, Dazzan P, Mondelli V. Metabolic-inflammatory status as predictor of clinical outcome at 1-year follow-up in patients with first episode psychosis. *Psychoneuroendocrinology*. 2018 Sep 8;99:145-153. doi: 10.1016/j.psyneuen.2018.09.005. [Epub ahead of print]
- 145) van Erp TGM, Walton E, Hibar DP, Schmaal L, Jiang W, Glahn DC, Pearlson GD, Yao N, Fukunaga M, Hashimoto R, Okada N, Yamamori H, Bustillo JR, Clark VP, Agartz I, Mueller BA, Cahn W, de Zwart SMC, Hulshoff Pol HE, Kahn RS, Ophoff RA, van Haren NEM, Andreassen OA, Dale AM, Doan NT, Gurholt TP, Hartberg CB, Haukvik UK, Jørgensen KN, Lagerberg TV, Melle I, Westlye LT, Gruber O, Kraemer B, Richter A, Zilles D, Calhoun VD, Crespo-Facorro B, Roiz-Santiañez R, Tordesillas-Gutiérrez D, Loughland C, Carr VJ, Catts S, Cropley VL, Fullerton JM, Green MJ, Henskens FA, Jablensky A, Lenroot RK, Mowry BJ, Michie PT, Pantelis C, Quidé Y, Schall U, Scott RJ, Cairns MJ, Seal M, Tooney PA, Rasser PE, Cooper G, Shannon Weickert C, Weickert TW, Morris DW, Hong E, Kochunov P, Beard LM, Gur RE, Gur RC, Satterthwaite TD, Wolf DH, Belger A, Brown GG, Ford JM, Maciardi F, Mathalon DH, O'Leary DS, Potkin SG, Preda A, Voyvodic J, Lim KO, McEwen S, Yang F, Tan Y, Tan S, Wang Z, Fan F, Chen J, Xiang H, Tang S, Guo H, Wan P, Wei D, Bockholt HJ, Ehrlich S, Wolthusen RPF, King MD, Shoemaker JM, Sponheim SR, De Haan L, Koenders L, Machielsen MW, van Amelsvoort T, Veltman DJ, Assogna F, Banaj N, de Rossi P, Iorio M, Piras F, Spalletta G, McKenna PJ, Pomarol-Clotet E, Salvador R, Corvin A, Donohoe G, Kelly S, Whelan CD, Dickie EW, Rotenberg D, Voineskos AN, Ciufolini S, Radua J, Dazzan P, Murray R, Reis Marques T, Simmons A, Borgwardt S, Egloff L, Harrisberger F, Riecher-Rössler A, Smieskova R, Alpert KI, Wang L, Jönsson EG, Koops S, Sommer IEC, Bertolino A, Bonvino A, Di Giorgio A, Neilson E, Mayer AR, Stephen JM, Kwon JS, Yun JY, Cannon DM, McDonald C, Lebedeva I, Tomyshev AS, Akhadov T, Kaleda V, Fatouros-Bergman H, Flyckt L; Karolinska Schizophrenia Project, Busatto GF, Rosa PGP, Serpa MH, Zanetti MV, Hoschl C, Skoch A, Spaniel F, Tomecek D, Hagenaars SP, McIntosh AM, Whalley HC, Lawrie SM, Knöchel C, Oertel-Knöchel V, Stäblein M, Howells FM, Stein DJ, Temmingh HS, Uhlmann A, Lopez-Jaramillo C, Dima D, McMahon A, Faskowitz JI, Gutman BA, Jahanshad N, Thompson PM, Turner JA. Cortical Brain Abnormalities in 4474 Individuals With Schizophrenia and 5098 Control Subjects via the Enhancing Neuro Imaging Genetics Through Meta Analysis (ENIGMA) Consortium. *Biol Psychiatry*. 2018 May 14. pii: S0006-3223(18)31517-8. doi: 10.1016/j.biopsych.2018.04.023. [Epub ahead of print]
- 146) Sara Lorio, Fabio Sambataro, Alessandro Bertolino, Bogdan Draganski, Juergen Dukart The Combination of DAT-SPECT, Structural and Diffusion MRI Predicts Clinical Progression in Parkinson's Disease. *Front Aging Neurosci*. 2019 Mar 15;11:57. doi: 10.3389/fnagi.2019.00057. eCollection 2019.
- 147) Ahmed AO, Kirkpatrick B, Galderisi S, Mucci A, Rossi A, Bertolino A, Rocca P, Maj M, Kaiser S, Bischof M, Hartmann-Riemer MN, Kirschner M, Schneider K, Garcia-Portilla MP, Mane A, Bernardo M, Fernandez-Egea E, Jiefeng C, Jing Y, Shuping T, Gold JM, Allen DN, Strauss GP. Cross-cultural Validation of the 5-Factor Structure of Negative Symptoms in Schizophrenia. *Schizophr Bull*. 2018 Apr 18. doi: 10.1093/schbul/sby050. [Epub ahead of print]
- 148) Rocca P, Galderisi S, Rossi A, Bertolino A, Rucci P, Gibertoni D, Montemagni C, Bellino S, Aguglia E, Amore M, Bellomo A, Biondi M, Carpinello B, Cuomo A, D'Ambrosio E, dell'Osso L, Girardi P, Marchesi C, Monteleone P, Montemitro C, Oldani L, Pacitti F, Roncone R, Siracusano A, Tenconi E, Vita A, Zeppegno P, Steardo L Jr, Vignapiano A, Maj M; Italian Network for Research on Psychoses. Disorganization and real-world functioning in schizophrenia:

Results from the multicenter study of the Italian Network for Research on Psychoses. *Schizophr Res.* 2018 Jun 10. pii: S0920-9964(18)30314-1. doi: 10.1016/j.schres.2018.06.003. [Epub ahead of print]

- 149) Ursini G, Punzi G, Chen Q, Marenco S, Robinson JF, Porcelli A, Hamilton EG, Mitjans M, Maddalena G, Begemann M, Seidel J, Yanamori H, Jaffe AE, Berman KF, Egan MF, Straub RE, Colantuoni C, Blasi G, Hashimoto R, Rujescu D, Ehrenreich H, Bertolino A, Weinberger DR. Convergence of placenta biology and genetic risk for schizophrenia. *Nature Medicine* 2018 Jun;24(6):792-801. doi: 10.1038/s41591-018-0021-y. Epub 2018 May 28.
- 150) Fazio L, Pergola G, Papalino M, Di Carlo P, Monda A, Gelao B, Amoroso N, Tangaro S, Rampino A, Popolizio T, Bertolino A, Blasi G. Transcriptomic context of *DRD1* is associated with prefrontal activity and behavior during working memory. *Proc Natl Acad Sci U S A.* 2018 May 22;115(21):5582-5587. doi: 10.1073/pnas.1717135115. Epub 2018 May 7.
- 151) Reed JL, D'Ambrosio E, Marenco S, Ursini G, Zheutlin AB, Blasi G, Spencer BE, Romano R, Hochheiser J, Reifman A, Sturm J, Berman KF, Bertolino A, Weinberger DR, Callicott JH. Interaction of childhood urbanicity and variation in dopamine genes alters adult prefrontal function as measured by functional magnetic resonance imaging (fMRI). *PLoS One.* 2018 Apr 10;13(4):e0195189. doi: 10.1371/journal.pone.0195189. eCollection 2018.
- 152) Galderisi S, Rucci P, Kirkpatrick B, Mucci A, Gibertoni D, Rocca P, Rossi A, Bertolino A, Strauss GP, Aguglia E, Bellomo A, Murri MB, Bucci P, Carpinello B, Comparelli A, Cuomo A, De Berardis D, Dell'Osso L, Di Fabio F, Gelao B, Marchesi C, Monteleone P, Montemagni C, Orsenigo G, Pacitti F, Roncone R, Santonastaso P, Siracusano A, Vignapiano A, Vita A, Zeppegno P, Maj M; Italian Network for Research on Psychoses. Interplay Among Psychopathologic Variables, Personal Resources, Context-Related Factors, and Real-life Functioning in Individuals With Schizophrenia: A Network Analysis. *JAMA Psychiatry.* 2018 Apr 1;75(4):396-404. doi: 10.1001/jamapsychiatry.2017.4607.
- 153) Monaco A, Monda A, Amoroso N, Bertolino A, Blasi G, Di Carlo P, Papalino M, Pergola G, Tangaro S, Bellotti R. A complex network approach reveals a pivotal substructure of genes linked to schizophrenia. *PLoS One.* 2018 Jan 5;13(1):e0190110. doi: 10.1371/journal.pone.0190110. eCollection 2018.
- 154) Mucci A, Galderisi S, Green MF, Nuechterlein K, Rucci P, Gibertoni D, Rossi A, Rocca P, Bertolino A, Bucci P, Hellemann G, Spisto M, Palumbo D, Aguglia E, Amodeo G, Amore M, Bellomo A, Brugnoli R, Carpinello B, Dell'Osso L, Di Fabio F, di Giannantonio M, Di Lorenzo G, Marchesi C, Monteleone P, Montemagni C, Oldani L, Romano R, Roncone R, Stratta P, Tenconi E, Vita A, Zeppegno P, Maj M; Italian Network for Research on Psychoses. Familial aggregation of MATRICS Consensus Cognitive Battery scores in a large sample of outpatients with schizophrenia and their unaffected relatives. *Psychol Med.* 2018 Jun;48(8):1359-1366. doi: 10.1017/S0033291717002902. Epub 2017 Oct 11.
- 155) Hawkins PCT, Wood TC, Vernon AC, Bertolino A, Sambataro F, Dukart J, Merlo-Pich E, Risterucci C, Silber-Baumann H, Walsh E, Mazibuko N, Zelaya FO, Mehta MA. An investigation of regional cerebral blood flow and tissue structure changes after acute administration of antipsychotics in healthy male volunteers. *Hum Brain Mapp.* 2018 Jan;39(1):319-331. doi: 10.1002/hbm.23844. Epub 2017 Oct 23.
- 156) Piluso G, Monteleone P, Galderisi S, Giugliano T, Bertolino A, Rocca P, Rossi A, Mucci A, Aguglia E, Andriola I, Bellomo A, Comparelli A, Gambi F, Fagiolini A, Marchesi C, Roncone R, Sacchetti E, Santonastaso P, Siracusano A, Stratta P, Tortorella A, Steardo L Jr, Bucci P, Nigro V, Maj M; Italian Network for Research on Psychoses. Assessment of de novo copy-number variations in Italian patients with schizophrenia: Detection of putative mutations involving regulatory enhancer elements. *World J Biol Psychiatry.* 2017 Nov 20:1-11. doi: 10.1080/15622975.2017.1395072. [Epub ahead of print]

- 157) Koutsoukou-Argyraiki A, Bertolino A, Kreß V, Hofmann FH, Sperth M, Holm-Hadulla RM. Changes in Sense of Coherence, Mental Distress and Satisfaction with Life and Studies in the Course of Psychosocial Counsellin]. Psychother Psychosom Med Psychol. 2018 Feb;68(2):66-74. doi: 10.1055/s-0043-118651. Epub 2017 Nov 23. German.
- 158) Monaco A, Monda A, Amoroso N, Bertolino A, Blasi G, Di Carlo P, Papalino M, Pergola G, Tangaro S, Bellotti R. A complex network approach reveals a pivotal substructure of genes linked to schizophrenia. PLoS One. 2018 Jan 5;13(1):e0190110. doi: 10.1371/journal.pone.0190110. eCollection 2018.
- 159) Chen Q, Ursini G, Romer AL, Knodt AR, Mezeivtch K, Xiao E, Pergola G, Blasi G, Straub RE, Callicott JH, Berman KF, Hariri AR, Bertolino A, Mattay VS, Weinberger DR. Schizophrenia polygenic risk score predicts mnemonic hippocampal activity. Brain. 2018 Apr 1;141(4):1218-1228. doi: 10.1093/brain/awy004.
- 160) Dukart J, Holiga Š, Chatham C, Hawkins P, Forsyth A, McMillan R, Myers J, Lingford-Hughes AR, Nutt DJ, Merlo-Pich E, Risterucci C, Boak L, Umbricht D, Schobel S, Liu T, Mehta MA, Zelaya FO, Williams SC, Brown G, Paulus M, Honey GD, Muthukumaraswamy S, Hipp J, Bertolino A, Sambataro F. Cerebral blood flow predicts differential neurotransmitter activity. Sci Rep. 2018 Mar 6;8(1):4074. doi: 10.1038/s41598-018-22444-0.
- 161) Reed JL D'Ambrosio E, Marenco S, Ursini G, Zheutlin AB, Blasi G, Spencer BE, Romano R, Hochheiser J, Reifman A, Sturm J, Berman KF, Bertolino A, Weinberger DR, Callicott JH. Interaction of childhood urbanicity and variation in dopamine genes alters adult prefrontal function as measured by functional magnetic resonance imaging (fMRI). PLoS One. 2018 Apr 10;13(4):e0195189. doi:10.1371/journal.pone.0195189. eCollection 2018.
- 162) Ursini G, Punzi G, Chen Q, Marenco S, Robinson JF, Porcelli A, Hamilton EG, Mitjans M, Maddalena G, Begemann M, Seidel J, Yanamori H, Jaffe AE, Berman KF, Egan MF, Straub RE, Colantuoni C, Blasi G, Hashimoto R, Rujescu D, Ehrenreich H, Bertolino A, Weinberger DR. Convergence of placenta biology and genetic risk for schizophrenia. Nat Med. 2018 Jun;24(6):792-801. doi: 10.1038/s41591-018-0021-y. Epub 2018 May 28.
- 163) Rocca P, Galderisi S, Rossi A, Bertolino A, Rucci P, Gibertoni D, Montemagni C, Bellino S, Aguglia E, Amore M, Bellomo A, Biondi M, Carpinello B, Cuomo A, D'Ambrosio E, dell'Osso L, Girardi P, Marchesi C, Monteleone P, Montemitro C, Oldani L, Pacitti F, Roncone R, Siracusano A, Tenconi E, Vita A, Zeppegno P, Steardo L Jr, Vignapiano A, Maj M; Members of the Italian Network for Research on Psychoses include. Disorganization and real-world functioning in schizophrenia: Results from the multicenter study of the Italian Network for Research on Psychoses. Schizophr Res. 2018 Nov;201:105-112. doi: 10.1016/j.schres.2018.06.003. Epub 2018 Jun 10. Cross-cultural Validation of the 5-Factor Structure of Negative Symptoms in Schizophrenia. Schizophr Bull. 2019 Mar 7;45(2):305-314. doi: 10.1093/schbul/sby050.
- 164) Ahmed AO, Kirkpatrick B, Galderisi S, Mucci A, Rossi A, Bertolino A, Rocca P, Maj M, Kaiser S, Bischof M, Hartmann-Riemer MN, Kirschner M, Schneider K, Garcia-Portilla MP, Mane A, Bernardo M, Fernandez-Egea E, Jiefeng C, Jing Y, Shuping T, Gold JM, Allen DN, Strauss GP. Brain scans from 21,297 individuals reveal the genetic architecture of hippocampal subfield volumes. Mol Psychiatry. 2018 Oct 2. doi: 10.1038/s41380-018-0262-7. [Epub ahead of print]
- 165) van Erp TGM, Walton E, Hibar DP, Schmaal L, Jiang W, Glahn DC, Pearson GD, Yao N, Fukunaga M, Hashimoto R, Okada N, Yamamori H, Bustillo JR, Clark VP, Agartz I, Mueller BA, Cahn W, de Zwarte SMC, Hulshoff Pol HE, Kahn RS, Ophoff RA, van Haren NEM, Andreassen OA, Dale AM, Doan NT, Gurholt TP, Hartberg CB, Haukvik UK, Jørgensen KN, Lagerberg TV, Melle I, Westlye LT, Gruber O, Kraemer B, Richter A, Zilles D, Calhoun VD, Crespo-Facorro B, Roiz-Santiañez R, Tordesillas-Gutiérrez D, Loughland C, Carr VJ, Catts S, Cropley VL, Fullerton JM, Green MJ, Henskens FA, Jablensky A, Lenroot RK, Mowry BJ, Michie PT, Pantelis C, Quidé Y, Schall U, Scott RJ, Cairns MJ, Seal M, Tooney PA, Rasser PE, Cooper G, Shannon Weickert C, Weickert TW, Morris DW, Hong E, Kochunov P, Beard LM, Gur RE, Gur RC, Satterthwaite TD, Wolf DH, Belger A, Brown GG, Ford JM, Macciardi F, Mathalon DH, O'Leary DS, Potkin SG, Preda A, Voyvodic J, Lim KO, McEwen S, Yang F, Tan Y, Tan S, Wang Z, Fan F, Chen J,

Xiang H, Tang S, Guo H, Wan P, Wei D, Bockholt HJ, Ehrlich S, Wolthusen RPF, King MD, Shoemaker JM, Sponheim SR, De Haan L, Koenders L, Machielsen MW, van Amelsvoort T, Veltman DJ, Assogna F, Banaj N, de Rossi P, Iorio M, Piras F, Spalletta G, McKenna PJ, Pomarol-Clotet E, Salvador R, Corvin A, Donohoe G, Kelly S, Whelan CD, Dickie EW, Rotenberg D, Voineskos AN, Ciufolini S, Radua J, Dazzan P, Murray R, Reis Marques T, Simmons A, Borgwardt S, Egloff L, Harrisberger F, Riecher-Rössler A, Smieskova R, Alpert KI, Wang L, Jönsson EG, Koops S, Sommer IEC, Bertolino A, Bonvino A, Di Giorgio A, Neilson E, Mayer AR, Stephen JM, Kwon JS, Yun JY, Cannon DM, McDonald C, Lebedeva I, Tomyshov AS, Akhadov T, Kaleda V, Fatouros-Bergman H, Flyckt L; Karolinska Schizophrenia Project, Busatto GF, Rosa PGP, Serpa MH, Zanetti MV, Hoschl C, Skoch A, Spaniel F, Tomecek D, Hagenaars SP, McIntosh AM, Whalley HC, Lawrie SM, Knöchel C, Oertel-Knöchel V, Stäblein M, Howells FM, Stein DJ, Temmingh HS, Uhlmann A, Lopez-Jaramillo C, Dima D, McMahon A, Faskowitz JI, Gutman BA, Jahanshad N, Thompson PM, Turner JA. Cortical Brain Abnormalities in 4474 Individuals With Schizophrenia and 5098 Control Subjects via the Enhancing Neuro Imaging Genetics Through Meta Analysis (ENIGMA) Consortium. *Biol Psychiatry*. 2018 Nov 1;84(9):644-654. doi: 10.1016/j.biopsych.2018.04.023. Epub 2018 May 14

- 166) Bucci P, Galderisi S, Mucci A, Rossi A, Rocca P, Bertolino A, Aguglia E, Amore M, Andriola I, Bellomo A, Biondi M, Cuomo A, dell'Osso L, Favaro A, Gambi F, Giordano GM, Girardi P, Marchesi C, Monteleone P, Montemagni C, Niolu C, Oldani L, Pacitti F, Pinna F, Roncone R, Vita A, Zeppegno P, Maj M; Italian Network for Research on Psychoses. Premorbid academic and social functioning in patients with schizophrenia and its associations with negative symptoms and cognition. *Acta Psychiatr Scand*. 2018 Sep;138(3):253-266. doi: 10.1111/acps.12938. Epub 2018 Jul 8
- 167) Nettis MA, Pergola G, Kolliakou A, O'Connor J, Bonaccorso S, David A, Gaughran F, Di Forti M, Murray RM, Marques TR, Blasi G, Bertolino A, Pariante CM, Dazzan P, Mondelli V. Metabolic-inflammatory status as predictor of clinical outcome at 1-year follow-up in patients with first episode psychosis. *Psychoneuroendocrinology*. 2019 Jan;99:145-153. doi: 10.1016/j.psyneuen.2018.09.005. Epub 2018 Sep 8
- 168) van der Meer D, Rokicki J, Kaufmann T, Córdova-Palomera A, Moberget T, Alnæs D, Bettella F, Frei O, Doan NT, Sønderby IE, Smeland OB, Agartz I, Bertolino A, Bralten J, Brandt CL, Buitelaar JK, Djurovic S, van Donkelaar M, Dørum ES, Espeseth T, Faraone SV, Fernández G, Fisher SE, Franke B, Haatveit B, Hartman CA, Hoekstra PJ, Håberg AK, Jönsson EG, Kolskår KK, Le Hellard S, Lund MJ, Lundervold AJ, Lundervold A, Melle I, Monereo Sánchez J, Norbom LC, Nordvik JE, Nyberg L, Oosterlaan J, Papalino M, Papassotiropoulos A, Pergola G, de Quervain DJF, Richard G, Sanders AM, Selvaggi P, Shumskaya E, Steen VM, Tønnesen S, Ulrichsen KM, Zwiers MP, Andreassen OA, Westlye LT; Alzheimer's Disease Neuroimaging Initiative; Pediatric Imaging, Neurocognition and Genetics Study. *Mol Psychiatry*. 2018 Oct 2. doi: 10.1038/s41380-018-0262-7. [Epub ahead of print]
- 169) Taylor KI, Sambataro F, Boess F, Bertolino A, Dukart J. Progressive Decline in Gray and White Matter Integrity in *de novo* Parkinson's Disease: An Analysis of Longitudinal Parkinson Progression Markers Initiative Diffusion Tensor Imaging Data. *Front Aging Neurosci*. 2018 Oct 8;10:318. doi: 10.3389/fnagi.2018.00318. eCollection 2018.
- 170) Holiga Š, Sambataro F, Luzy C, Greig G, Sarkar N, Renken RJ, Marsman JC, Schobel SA, Bertolino A, Dukart J. Test-retest reliability of task-based and resting-state blood oxygen level dependence and cerebral blood flow measures. *PLoS One*. 2018 Nov 8;13(11):e0206583. doi: 10.1371/journal.pone.0206583. eCollection 2018.
- 171) Errico F, Nuzzo T, Carella M, Bertolino A, Usiello A. The Emerging Role of Altered d-Aspartate Metabolism in Schizophrenia: New Insights From Preclinical Models and Human Studies. *Front Psychiatry*. 2018 Nov 6;9:559. doi: 10.3389/fpsyg.2018.00559. eCollection 2018. Review.
- 172) van Erp TGM, Walton E, Hibar DP, Schmaal L, Jiang W, Glahn DC, Pearson GD, Yao N, Fukunaga M, Hashimoto R, Okada N, Yamamori H, Clark VP, Mueller BA, de Zwarte SMC, Ophoff RA, van Haren NEM, Andreassen OA, Gurholt TP, Gruber O, Kraemer B, Richter A, Calhoun VD, Crespo-Facorro B, Roiz-Santiañez R, Tordesillas-Gutiérrez D, Loughland C, Catts S, Fullerton JM, Green MJ, Henskens F, Jablensky A, Mowry BJ, Pantelis C, Quidé Y, Schall U, Scott RJ, Cairns MJ, Seal M, Tooney PA, Rasser PE, Cooper G, Shannon Weickert C, Weickert TW, Hong E,

Kochunov P, Gur RE, Gur RC, Ford JM, Maciardi F, Mathalon DH, Potkin SG, Preda A, Fan F, Ehrlich S, King MD, De Haan L, Veltman DJ, Assogna F, Banaj N, de Rossi P, Iorio M, Piras F, Spalletta G, Pomarol-Clotet E, Kelly S, Ciufolini S, Radua J, Murray R, Marques TR, Simmons A, Borgwardt S, Schönborn-Harrisberger F, Riecher-Rössler A, Smieskova R, Alpert KI, Bertolino A, Bonvino A, Di Giorgio A, Neilson E, Mayer AR, Yun JY, Cannon DM, Lebedeva I, Tomyshev AS, Akhadov T, Kaleda V, Fatouros-Bergman H, Flyckt L; Karolinska Schizophrenia Project, Rosa PGP, Serpa MH, Zanetti MV, Hoschl C, Skoch A, Spaniel F, Tomecek D, McIntosh AM, Whalley HC, Knöchel C, Oertel-Knöchel V, Howells FM, Stein DJ, Temmingh HS, Uhlmann A, Lopez-Jaramillo C, Dima D, Faskowitz JI, Gutman BA, Jahanshad N, Thompson PM, Turner JA. Reply to: New Meta- and Mega-analyses of Magnetic Resonance Imaging Findings in Schizophrenia: Do They Really Increase Our Knowledge About the Nature of the Disease Process? *Biol Psychiatry*. 2019 Apr 1;85(7):e35-e39. doi: 10.1016/j.biopsych.2018.10.003. Epub 2018 Nov 22.

173) Selvaggi P, Hawkins PCT, Dipasquale O, Rizzo G, Bertolino A, Dukart J, Sambataro F, Pergola G, Williams SCR, Turkheimer F, Zelaya F, Veronese M, Mehta MA. Increased cerebral blood flow after single dose of antipsychotics in healthy volunteers depends on dopamine D2 receptor density profiles. *Neuroimage*. 2019 Mar;188:774-784. doi: 10.1016/j.neuroimage.2018.12.028. Epub 2018 Dec 13.

174) Punzi G, Ursini G, Viscanti G, Radulescu E, Shin JH, Quarto T, Catanesi R, Blasi G, Jaffe AE, Deep-Soboslay A, Hyde TM, Kleinman JE, Bertolino A, Weinberger DR. Association of a Noncoding RNA Postmortem With Suicide by Violent Means and In Vivo With Aggressive Phenotypes. *Biol Psychiatry*. 2019 Mar 1;85(5):417-424. doi: 10.1016/j.biopsych.2018.11.002. Epub 2018 Nov 16.

175) Schwarz E, Doan NT, Pergola G, Westlye LT, Kaufmann T, Wolfers T, Brecheisen R, Quarto T, Ing AJ, Di Carlo P, Gurholt TP, Harms RL, Noirhomme Q, Moberget T, Agartz I, Andreassen OA, Bellani M, Bertolino A, Blasi G, Brambilla P, Buitelaar JK, Cervenka S, Flyckt L, Frangou S, Franke B, Hall J, Heslenfeld DJ, Kirsch P, McIntosh AM, Nöthen MM, Papassotiropoulos A, de Quervain DJ, Rietschel M, Schumann G, Tost H, Witt SH, Zink M, Meyer-Lindenberg A; IMAGEMEND Consortium, Karolinska Schizophrenia Project (KaSP) Consortium. Reproducible grey matter patterns index a multivariate, global alteration of brain structure in schizophrenia and bipolar disorder. *Transl Psychiatry*. 2019 Jan 17;9(1):12. doi: 10.1038/s41398-018-0225-4.

176) Antonucci LA, Di Carlo P, Passiatore R, Papalino M, Monda A, Amoroso N, Tangaro S, Taurisano P, Rampino A, Sambataro F, Popolizio T, Bertolino A, Pergola G, Blasi G. Thalamic connectivity measured with fMRI is associated with a polygenic index predicting thalamo-prefrontal gene co-expression. *Brain Struct Funct*. 2019 Feb 6. doi: 10.1007/s00429-019-01843-7. [Epub ahead of print]

177) Hirjak D, Kubera KM, Northoff G, Fritze S, Bertolino A, Topor CE, Schmitgen MM, Wolf RC. Cortical Contributions to Distinct Symptom Dimensions of Catatonia. *Schizophr Bull*. 2019 Feb 7. doi: 10.1093/schbul/sby192. [Epub ahead of print]

178) Holiga Š, Hipp JF, Chatham CH, Garces P, Spooren W, D'Ardhuy XL, Bertolino A, Bouquet C, Buitelaar JK, Bours C, Rausch A, Oldehinkel M, Bouvard M, Amestoy A, Caralp M, Gueguen S, Ly-Le Moal M, Houenou J, Beckmann CF, Loth E, Murphy D, Charman T, Tillmann J, Laidi C, Delorme R, Beggiato A, Gaman A, Scheid I, Leboyer M, d'Albis MA, Sevigny J, Czech C, Bolognani F, Honey GD, Dukart J. Patients with autism spectrum disorders display reproducible functional connectivity alterations. *Sci Transl Med*. 2019 Feb 27;11(481). pii: eaat9223. doi: 10.1126/scitranslmed.aat9223.

179) 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 Apr 10. doi: 10.1001/jamapsychiatry.2019.0257 [Epub ahead of print]

- 180) Pergola G, Di Carlo P, Jaffe AE, Papalino M, Chen Q, Hyde TM, Kleinman JE, Shin JH, Rampino A, Blasi G, Weinberger DR, Bertolino A. Prefrontal Coexpression of Schizophrenia Risk Genes Is Associated With Treatment Response in Patients. *Biol Psychiatry*. 2019 Jul 1;86(1):45-55. doi: 10.1016/j.biopsych.2019.03.981. Epub 2019 Apr 3.
- 181) Lombardi A., Guaragnella C., Amoroso N., Monaco A., Fazio L., Taurisano P., Pergola G., Blasi G., Bertolino A., Bellotti R. , Tangaro S. Modelling cognitive loads in schizophrenia by means of new functional dynamic indexes *Neuroimage*. 2019 Jul 15;195:150-164. doi: 10.1016/j.neuroimage.2019.03.055. Epub 2019 Apr 2.
- 182) Rampino A. , Torretta S. ,Rizzo G., Viscanti G., Quarto T., Gelao B., Fazio L., MT Attrotto, Masellis R., Pergola G., Bertolino A., Blasi G. Emotional Stability Interacts with Cortisol Levels Before fMRI on Brain Processing of Fearful Faces *Neuroscience* 2019 Sep 15;416:190-197. doi: 10.1016/j.neuroscience.2019.08.002. Epub 2019 Aug 7.
- 183) Pergola G., Papalino M., Gelao B., Sportelli L., Vollerbergh W., Grattagliano I., Bertolino A. Evocative Gene Environment Correlation between Genetic Risk for Schizophrenia and Bullying Victimization. *World Psychiatry* 2019 Oct;18(3):366-367. doi: 10.1002/wps.20685.
- 184) de Zwart SMC, Brouwer RM, Agartz I, Alda M, Alonso-Lana S, Bearden CE, Bertolino A, Bonvino A, Bramon E, Buimer EEL, Cahn W, Canales-Rodríguez EJ, Cannon DM, Cannon TD, Caseras X, Castro-Fornieles J, Chen Q, Chung Y, De la Serna E, Del Mar Bonnin C, Demro C, Di Giorgio A, Doucet GE, Eker MC, Erk S, Fatjó-Vilas M, Fears SC, Foley SF, Frangou S, Fullerton JM, Glahn DC, Goghari VM, Goikolea JM, Goldman AL, Gonul AS, Gruber O, Hajek T, Hawkins EL, Heinz A, Hidiroglu Ongun C, Hillegers MHJ, Houenou J, Hulshoff Pol HE, Hultman CM, Ingvar M, Johansson V, Jönsson EG, Kane F, Kempton MJ, Koenis MMG, Kopecek M, Krämer B, Lawrie SM, Lenroot RK, Marcelis M, Mattay VS, McDonald C, Meyer-Lindenberg A, Michielse S, Mitchell PB, Moreno D, Murray RM, Mwangi B, Nabulsi L, Newport J, Olman CA, van Os J, Overs BJ, Ozerdem A, Pergola G, Picchioni MM, Piguet C, Pomarol-Clotet E, Radua J, Ramsay IS, Richter A, Roberts G, Salvador R, Saricicek Aydogan A, Sarró S, Schofield PR, Simsek EM, Simsek F, Soares JC, Sponheim SR, Sugranyes G, Toulopoulou T, Tronchin G, Vieta E, Walter H, Weinberger DR, Whalley HC, Wu MJ, Yalin N, Andreassen OA, Ching CRK, Thomopoulos SI, van Erp TGM, Jahanshad N, Thompson PM, Kahn RS, van Haren NEM. Intelligence, educational attainment, and brain structure in those at familial high-risk for schizophrenia or bipolar disorder. *Hum Brain Mapp*. 2020 Oct 7. doi: 10.1002/hbm.25206. Online ahead of print.
- 185) Wierenga LM, Doucet GE, Dima D, Agartz I, Aghajani M, Akudjedu TN, Albajes-Eizagirre A, Alnaes D, Alpert KI, Andreassen OA, Anticevic A, Asherson P, Banaschewski T, Bargallo N, Baumeister S, Baur-Streubel R, Bertolino A, Bonvino A, Boomsma DI, Borgwardt S, Bourque J, den Braber A, Brandeis D, Breier A, Brodaty H, Brouwer RM, Buitelaar JK, Busatto GF, Calhoun VD, Canales-Rodríguez EJ, Cannon DM, Caseras X, Castellanos FX, Chaim-Avancini TM, Ching CR, Clark VP, Conrod PJ, Conzelmann A, Crivello F, Davey CG, Dickie EW, Ehrlich S, Van't Ent D, Fisher SE, Fouche JP, Franke B, Fuentes-Claramonte P, de Geus EJ, Di Giorgio A, Glahn DC, Gotlib IH, Grabe HJ, Gruber O, Gruner P, Gur RE, Gur RC, Gurholt TP, de Haan L, Haatveit B, Harrison BJ, Hartman CA, Hatton SN, Heslenfeld DJ, van den Heuvel OA, Hickie IB, Hoekstra PJ, Hohmann S, Holmes AJ, Hoogman M, Hosten N, Howells FM, Hulshoff Pol HE, Huyser C, Jahanshad N, James AC, Jiang J, Jönsson EG, Joska JA, Kalnin AJ; Karolinska Schizophrenia Project (KaSP) Consortium, Klein M, Koenders L, Kolskår KK, Krämer B, Kuntsi J, Lagopoulos J, Lazaro L, Lebedeva IS, Lee PH, Lochner C, Machielsen MW, Maingault S, Martin NG, Martínez-Zalacaín I, Mataix-Cols D, Mazoyer B, McDonald BC, McDonald C, McIntosh AM, McMahon KL, McPhilemy G, van der Meer D, Menchón JM, Naaijen J, Nyberg L, Oosterlaan J, Paloyelis Y, Pauli P, Pergola G, Pomarol-Clotet E, Portella MJ, Radua J, Reif A, Richard G, Roffman JL, Rosa PG, Sacchet MD, Sachdev PS, Salvador R, Sarró S, Satterthwaite TD, Saykin AJ, Serpa MH, Sim K, Simmons A, Smoller JW, Sommer IE, Soriano-Mas C, Stein DJ, Strike LT, Szczesko PR,

Temmingh HS, Thomopoulos SI, Tomyshov AS, Trollor JN, Uhlmann A, Veer IM, Veltman DJ, Voineskos A, Völzke H, Walter H, Wang L, Wang Y, Weber B, Wen W, West JD, Westlye LT, Whalley HC, Williams SC, Wittfeld K, Wolf DH, Wright MJ, Yoncheva YN, Zanetti MV, Ziegler GC, de Zubiray GI, Thompson PM, Crone EA, Frangou S, Tamnes CK. Greater male than female variability in regional brain structure across the lifespan.

Hum Brain Mapp. 2020 Oct 12. doi: 10.1002/hbm.25204. Online ahead of print.

- 186) Schwarz E, Doan NT, Pergola G, Westlye LT, Kaufmann T, Wolfers T, Brecheisen R, Quarto T, Ing AJ, Di Carlo P, Gurholt TP, Harms RL, Noirhomme Q, Moberget T, Agartz I, Andreassen OA, Bellani M, Bertolino A, Blasi G, Brambilla P, Buitelaar JK, Cervenka S, Flyckt L, Frangou S, Franke B, Hall J, Heslenfeld DJ, Kirsch P, McIntosh AM, Nöthen MM, Papassotiropoulos A, de Quervain DJ, Rietschel M, Schumann G, Tost H, Witt SH, Zink M, Meyer-Lindenberg A; IMAGEMEND Consortium, Karolinska Schizophrenia Project (KaSP) Consortium. Reproducible grey matter patterns index a multivariate, global alteration of brain structure in schizophrenia and bipolar disorder. Transl Psychiatry. 2019 Jan 17;9(1):12. doi: 10.1038/s41398-018-0225-4.
- 187) Vita A, Barlati S, Deste G, Rocca P, Rossi A, Bertolino A, Aguglia E, Amore M, Bellomo A, Biondi M, Carpiniello B, Collantoni E, Cuomo A, D'Ambrosio E, Dell'Osso L, di Giannantonio M, Giordano GM, Marchesi C, Monteleone P, Montemagni C, Oldani L, Pompili M, Roncone R, Rossi R, Siracusano A, Zeppegno P, Nibbio G, Galderisi S, Maj M; Italian Network for Research on Psychoses. the influence of autistic symptoms on social and non-social cognition and on real-life functioning in people with schizophrenia: Evidence from the Italian Network for Research on Psychoses multicenter study. Eur Psychiatry. 2020 Nov 10;63(1):e98. doi: 10.1192/j.eurpsy.2020.99
- 188) Córdova-Palomera A, van der Meer D, Kaufmann T, Bettella F, Wang Y, Alnæs D, Doan NT, Agartz I, Bertolino A, Buitelaar JK, Coynel D, Djurovic S, Dørum ES, Espeseth T, Fazio L, Franke B, Frei O, Håberg A, Le Hellard S, Jönsson EG, Kolskår KK, Lund MJ, Moberget T, Nordvik JE, Nyberg L, Papassotiropoulos A, Pergola G, de Quervain D, Rampino A, Richard G, Rokicki J, Sanders AM, Schwarz E, Smeland OB, Steen VM, Starrfelt J, Sønderby IE, Ulrichsen KM, Andreassen OA, Westlye LT. Genetic control of variability in subcortical and intracranial volumes. Mol Psychiatry. 2020 Feb 11. doi: 10.1038/s41380-020-0664-1. [Epub ahead of print]
- 189) Buoli M, Cesana BM, Fagiolini A, Albert U, Maina G, de Bartolomeis A, Pompili M, Bondi E, Steardo L Jr, Amore M, Bellomo A, Bertolino A, Di Nicola M, Di Sciascio G, Fiorillo A, Rocca P, Sacchetti E, Sani G, Siracusano A, Di Lorenzo G, Tortorella A, Altamura AC, Dell'Osso B; ISBD Italian Chapter Epidemiologic Group. Which factors delay treatment in bipolar disorder? A nationwide study focussed on duration of untreated illness Early Interv Psychiatry. 2020 Oct 15. doi: 10.1111/eip.13051. Online ahead of print.
- 190) Torretta S, Rampino A, Basso M, Pergola G, Di Carlo P, Shin JH, Kleinman JE, Hyde TM, Weinberger DR, Masellis R, Blasi G, Pennuto M, Bertolino A. NURR1 and ERR1 Modulate the Expression of Genes of a *DRD2* Coexpression Network Enriched for Schizophrenia Risk. J Neurosci. 2020 Jan 22;40(4):932-941. doi: 10.1523/JNEUROSCI.0786-19.2019. Epub 2019 Dec 6.
- 191) Kaufmann T, van der Meer D, Doan NT, Schwarz E, Lund MJ, Agartz I, Alnæs D, Barch DM, Baur-Streubel R, Bertolino A, Bettella F, Beyer MK, Bøen E, Borgwardt S, Brandt CL, Buitelaar J, Celius EG, Cervenka S, Conzelmann A, Córdova-Palomera A, Dale AM, de Quervain DJF, Di Carlo P, Djurovic S, Dørum ES, Eisenacher S, Elvsåshagen T, Espeseth T, Fatouros-Bergman H, Flyckt L, Franke B, Frei O, Haatveit B, Håberg AK, Harbo HF, Hartman CA, Heslenfeld D, Hoekstra PJ, Høgestøl EA, Jernigan TL, Jonassen R, Jönsson EG; Karolinska Schizophrenia Project (KaSP), Kirsch P, Kłoszewska I, Kolskår KK, Landrø NI, Le Hellard S, Lesch KP, Lovestone S, Lundervold A, Lundervold AJ, Maglanoc LA, Malt UF, Mecocci P, Melle I, Meyer-Lindenberg A, Moberget T, Norbom LB, Nordvik JE, Nyberg L, Oosterlaan J, Papalino M, Papassotiropoulos A, Pauli P, Pergola G, Persson K, Richard G, Rokicki J, Sanders AM, Selbæk G, Shadrin AA, Smeland OB, Soininen H, Sowa P, Steen VM, Tsolaki M, Ulrichsen KM, Vellas B, Wang L, Westman E, Ziegler GC, Zink M, Andreassen OA, Westlye LT. Publisher Correction: Common brain

disorders are associated with heritable patterns of apparent aging of the brain. *Nat Neurosci.* 2020 Feb;23(2):295. doi: 10.1038/s41593-019-0553-6.

- 192) Galderisi S, Rucci P, Mucci A, Rossi A, Rocca P, Bertolino A, Aguglia E, Amore M, Bellomo A, Bozzatello P, Bucci P, Carpiniello B, Collantoni E, Cuomo A, Dell'Osso L, Di Fabio F, di Giannantonio M, Gibertoni D, Giordano GM, Marchesi C, Monteleone P, Oldani L, Pompili M, Roncone R, Rossi R, Siracusano A, Vita A, Zeppegno P, Maj M; Italian Network for Research on Psychoses. The interplay among psychopathology, personal resources, context-related factors and real-life functioning in schizophrenia: stability in relationships after 4 years and differences in network structure between recovered and non-recovered patients. *World Psychiatry.* 2020 Feb;19(1):81-91. doi: 10.1002/wps.20700.
- 193) Mazzola V, Arciero G, Fazio L, Lanciano T, Gelao B, Bertolino A, Bondolfi G. Emotion-body connection dispositions modify the insulae-midcingulate effective connectivity during anger processing. *PLoS One.* 2020 Feb 13;15(2):e0228404. doi: 10.1371/journal.pone.0228404. eCollection 2020.
- 194) Antonucci LA, Penzel N, Pergola G, Kambeitz-Ilankovic L, Dwyer D, Kambeitz J, Haas SS, Passiatore R, Fazio L, Caforio G, Falkai P, Blasi G, Bertolino A, Koutsouleris N. Multivariate classification of schizophrenia and its familial risk based on load-dependent attentional control brain functional connectivity. *Neuropsychopharmacology.* 2020 Mar;45(4):613-621. doi: 10.1038/s41386-019-0532-3. Epub 2019 Oct.
- 195) Antonucci LA, Pergola G, Pigni A, Dwyer D, Kambeitz-Ilankovic L, Penzel N, Romano R, Gelao B, Torretta S, Rampino A, Trojano M, Caforio G, Falkai P, Blasi G, Koutsouleris N, Bertolino A. A Pattern of Cognitive Deficits Stratified for Genetic and Environmental Risk Reliably Classifies Patients With Schizophrenia From Healthy Control Subjects. *Biol Psychiatry.* 2020 Apr 15;87(8):697-707. doi: 10.1016/j.biopsych.2019.11.007. Epub 2019 Nov 15.
- 196) Di Carlo P, Pergola G, Antonucci LA, Bonvino A, Mancini M, Quarto T, Rampino A, Popolizio T, Bertolino A, Blasi G. Multivariate patterns of gray matter volume in thalamic nuclei are associated with positive schizotypy in healthy individuals. *Psychol Med.* 2020 Jul;50(9):1501-1509. doi: 10.1017/S0033291719001430. Epub 2019 Jul 30.
- 197) Antonucci LA, Pergola G, Passiatore R, Taurisano P, Quarto T, Dispoto E, Rampino A, Bertolino A, Cassibba R, Blasi G. The interaction between OXTR rs2268493 and perceived maternal care is associated with amygdala-dorsolateral prefrontal effective connectivity during explicit emotion processing. *Eur Arch Psychiatry Clin Neurosci.* 2020 Aug;270(5):553-565. doi: 10.1007/s00406-019-01062-5. Epub 2019 Aug 30.
- 198) Radua J, Vieta E, Shinohara R, Kochunov P, Quidé Y, Green MJ, Weickert CS, Weickert T, Bruggemann J, Kircher T, Nenadić I, Cairns MJ, Seal M, Schall U, Henskens F, Fullerton JM, Mowry B, Pantelis C, Lenroot R, Cropley V, Loughland C, Scott R, Wolf D, Satterthwaite TD, Tan Y, Sim K, Piras F, Spalletta G, Banaj N, Pomarol-Clotet E, Solanes A, Albajes-Eizagirre A, Canales-Rodríguez EJ, Sarro S, Di Giorgio A, Bertolino A, Stäblein M, Oertel V, Knöchel C, Borgwardt S, du Plessis S, Yun JY, Kwon JS, Dannlowski U, Hahn T, Grotegerd D, Alloza C, Arango C, Janssen J, Díaz-Caneja C, Jiang W, Calhoun V, Ehrlich S, Yang K, Cascella NG, Takayanagi Y, Sawa A, Tomyshev A, Lebedeva I, Kaleda V, Kirschner M, Hoschl C, Tomecek D, Skoch A, van Amelsvoort T, Bakker G, James A, Preda A, Weideman A, Stein DJ, Howells F, Uhlmann A, Temmingh H, López-Jaramillo C, Díaz-Zuluaga A, Fortea L, Martinez-Heras E, Solana E, Llufriu S, Jahanshad N, Thompson P, Turner J, van Erp T; ENIGMA Consortium collaborators. Increased power by harmonizing structural MRI site differences with the ComBat batch adjustment method in ENIGMA. *Neuroimage.* 2020 Sep;218:116956. doi: 10.1016/j.neuroimage.2020.116956. Epub 2020 May 26.

- 199) Wong TY, Radua J, Pomarol-Clotet E, Salvador R, Albajes-Eizagirre A, Solanes A, Canales-Rodriguez EJ, Guerrero-Pedraza A, Sarro S, Kircher T, Nenadic I, Krug A, Grotegerd D, Dannlowski U, Borgwardt S, Riecher-Rössler A, Schmidt A, Andreou C, Huber CG, Turner J, Calhoun V, Jiang W, Clark S, Walton E, Spalletta G, Banaj N, Piras F, Ciullo V, Vecchio D, Lebedeva I, Tomyshov AS, Kaleda V, Klushnik T, Filho GB, Zanetti MV, Serpa MH, Penteado Rosa PG, Hashimoto R, Fukunaga M, Richter A, Krämer B, Gruber O, Voineskos AN, Dickie EW, Tomecek D, Skoch A, Spaniel F, Hoschl C, Bertolino A, Bonvino A, Di Giorgio A, Holleran L, Ciufolini S, Marques TR, Dazzan P, Murray R, Lamsma J, Cahn W, van Haren N, Díaz-Zuluaga AM, Pineda-Zapata JA, Vargas C, López-Jaramillo C, van Erp TGM, Gur RC, Nickl-Jockschat T. An overlapping pattern of cerebral cortical thinning is associated with both positive symptoms and aggression in schizophrenia via the ENIGMA consortium. *Psychol Med.* 2020 Sep;50(12):2034-2045. doi: 10.1017/S0033291719002149. Epub 2019 Oct 16.
- 200) van der Meer D, Rokicki J, Kaufmann T, Córdova-Palomera A, Moberget T, Alnæs D, Bettella F, Frei O, Doan NT, Sønderby IE, Smeland OB, Agartz I, Bertolino A, Bralten J, Brandt CL, Buitelaar JK, Djurovic S, van Donkelaar M, Dørum ES, Espeseth T, Faraone SV, Fernández G, Fisher SE, Franke B, Haatveit B, Hartman CA, Hoekstra PJ, Håberg AK, Jönsson EG, Kolskår KK, Le Hellard S, Lund MJ, Lundervold AJ, Lundervold A, Melle I, Monereo Sánchez J, Norbom LC, Nordvik JE, Nyberg L, Oosterlaan J, Papalino M, Papassotiropoulos A, Pergola G, de Quervain DJF, Richard G, Sanders AM, Selvaggi P, Shumskaya E, Steen VM, Tønnesen S, Ulrichsen KM, Zwiers MP, Andreassen OA, Westlye LT; Alzheimer's Disease Neuroimaging Initiative; Pediatric Imaging, Neurocognition and Genetics Study. Brain scans from 21,297 individuals reveal the genetic architecture of hippocampal subfield volumes. *Mol Psychiatry.* 2020 Nov;25(11):3053-3065. doi: 10.1038/s41380-018-0262-7. Epub 2018 Oct 2.
- 201) Walger H, Antonucci LA, Pigni A, Upthegrove R, Salokangas RKR, Lencer R, Chisholm K, Riecher-Rössler A, Haidl T, Meisenzahl E, Rosen M, Ruhrmann S, Kambeitz J, Kambeitz-Ilankovic L, Falkai P, Ruef A, Hietala J, Pantelis C, Wood SJ, Brambilla P, Bertolino A, Borgwardt S, Koutsouleris N, Schultze-Lutter F. Basic Symptoms Are Associated With Age in Patients With a Clinical High-Risk State for Psychosis: Results From the PRONIA Study. *Front Psychiatry.* 2020 Nov 17;11:552175. doi: 10.3389/fpsyg.2020.552175. eCollection 2020.
- 202) Popovic D, Ruef A, Dwyer DB, Antonucci LA, Eder J, Sanfelici R, Kambeitz-Ilankovic L, Oztuerk OF, Dong MS, Paul R, Paolini M, Hedderich D, Haidl T, Kambeitz J, Ruhrmann S, Chisholm K, Schultze-Lutter F, Falkai P, Pergola G, Blasi G, Bertolino A, Lencer R, Dannlowski U, Upthegrove R, Salokangas RKR, Pantelis C, Meisenzahl E, Wood SJ, Brambilla P, Borgwardt S, Koutsouleris N; PRONIA Consortium. Traces of Trauma: A Multivariate Pattern Analysis of Childhood Trauma, Brain Structure, and Clinical Phenotypes. *Biol Psychiatry.* 2020 Dec 1;88(11):829-842. doi: 10.1016/j.biopsych.2020.05.020. Epub 2020 May 26.
- 203) Elvsåshagen T, Bahrami S, van der Meer D, Agartz I, Alnæs D, Barch DM, Baur-Streubel R, Bertolino A, Beyer MK, Blasi G, Borgwardt S, Boye B, Buitelaar J, Bøen E, Celius EG, Cervenka S, Conzelmann A, Coynel D, Di Carlo P, Djurovic S, Eisenacher S, Espeseth T, Fatouros-Bergman H, Flyckt L, Franke B, Frei O, Gelao B, Harbo HF, Hartman CA, Håberg A, Heslenfeld D, Hoekstra PJ, Høgestøl EA, Jonassen R, Jönsson EG; Karolinska Schizophrenia Project (KaSP) consortium, Kirsch P, Kłoszewska I, Lagerberg TV, Landrø NI, Le Hellard S, Lesch KP, Maglanoc LA, Malt UF, Mecocci P, Melle I, Meyer-Lindenberg A, Moberget T, Nordvik JE, Nyberg L, Connell KSO, Oosterlaan J, Papalino M, Papassotiropoulos A, Pauli P, Pergola G, Persson K, de Quervain D, Reif A, Rokicki J, van Rooij D, Shadrin AA, Schmidt A, Schwarz E, Selbæk G, Soininen H, Sowa P, Steen VM, Tsolaki M, Vellas B, Wang L, Westman E, Ziegler GC, Zink M, Andreassen OA, Westlye LT, Kaufmann T. The genetic architecture of human brainstem structures and their involvement in common brain disorders. *Nat Commun.* 2020 Aug 11;11(1):4016. doi: 10.1038/s41467-020-17376-1.
- 204) Betz LT, Penzel N, Kambeitz-Ilankovic L, Rosen M, Chisholm K, Stainton A, Haidl TK, Wenzel J, Bertolino A, Borgwardt S, Brambilla P, Lencer R, Meisenzahl E, Ruhrmann S, Salokangas RKR, Schultze-Lutter F, Wood SJ, Upthegrove R, Koutsouleris N, Kambeitz J; PRONIA consortium. General psychopathology links burden of recent life

events and psychotic symptoms in a network approach. *NPJ Schizophr.* 2020 Dec 15;6(1):40. doi: 10.1038/s41537-020-00129-w

- 205) Writing Committee for the Attention-Deficit/Hyperactivity Disorder; Autism Spectrum Disorder; Bipolar Disorder; Major Depressive Disorder; Obsessive-Compulsive Disorder; and Schizophrenia ENIGMA Working Groups, Patel Y, Parker N, Shin J, Howard D, French L, Thomopoulos SI, Pozzi E, Abe Y, Abé C, Anticevic A, Alda M, Aleman A, Alloza C, Alonso-Lana S, Ameis SH, Anagnostou E, McIntosh AA, Arango C, Arnold PD, Asherson P, Assogna F, Auzias G, Ayesa-Arriola R, Bakker G, Banaj N, Banaschewski T, Bandeira CE, Baranov A, Bargalló N, Bau CHD, Baumeister S, Baune BT, Bellgrove MA, Benedetti F, Bertolino A, Boedhoe PSW, Boks M, Bollettini I, Del Mar Bonnin C, Borgers T, Borgwardt S, Brandeis D, Brennan BP, Bruggemann JM, Bülow R, Busatto GF, Calderoni S, Calhoun VD, Calvo R, Canales-Rodríguez EJ, Cannon DM, Carr VJ, Cascella N, Cercignani M, Chaim-Avancini TM, Christakou A, Coghill D, Conzelmann A, Crespo-Facorro B, Cubillo AI, Cullen KR, Cupertino RB, Daly E, Dannlowski U, Davey CG, Denys D, Deruelle C, Di Giorgio A, Dickie EW, Dima D, Dohm K, Ehrlich S, Ely BA, Erwin-Grabner T, Ethofer T, Fair DA, Fallgatter AJ, Faraone SV, Fatjó-Vilas M, Fedor JM, Fitzgerald KD, Ford JM, Frodl T, Fu CHY, Fullerton JM, Gabel MC, Glahn DC, Roberts G, Gogberashvili T, Goikolea JM, Gotlib IH, Goya-Maldonado R, Grabe HJ, Green MJ, Grevet EH, Groenewold NA, Grotegerd D, Gruber O, Gruner P, Guerrero-Pedraza A, Gur RE, Gur RC, Haar S, Haarman BCM, Haavik J, Hahn T, Hajek T, Harrison BJ, Harrison NA, Hartman CA, Whalley HC, Heslenfeld DJ, Hibar DP, Hilland E, Hirano Y, Ho TC, Hoekstra PJ, Hoekstra L, Hohmann S, Hong LE, Höschl C, Høvik MF, Howells FM, Nenadic I, Jalbrzikowski M, James AC, Janssen J, Jaspers-Fayer F, Xu J, Jonassen R, Karkashadze G, King JA, Kircher T, Kirschner M, Koch K, Kochunov P, Kohls G, Konrad K, Krämer B, Krug A, Kuntsi J, Kwon JS, Landén M, Landrø NI, Lazaro L, Lebedeva IS, Leeahr EJ, Lera-Miguel S, Lesch KP, Lochner C, Louza MR, Luna B, Lundervold AJ, MacMaster FP, Maglanoc LA, Malpas CB, Portella MJ, Marsh R, Martyn FM, Mataix-Cols D, Mathalon DH, McCarthy H, McDonald C, McPhilemy G, Meinert S, Menchón JM, Minuzzi L, Mitchell PB, Moreno C, Morgado P, Muratori F, Murphy CM, Murphy D, Mwangi B, Nabulsi L, Nakagawa A, Nakamae T, Namazova L, Narayanaswamy J, Jahanshad N, Nguyen DD, Nicolau R, O'Gorman Tuura RL, O'Hearn K, Oosterlaan J, Opel N, Ophoff RA, Oranje B, García de la Foz VO, Overs BJ, Paloyelis Y, Pantelis C, Parellada M, Pauli P, Picó-Pérez M, Picon FA, Piras F, Piras F, Plessen KJ, Pomarol-Clotet E, Preda A, Puig O, Quidé Y, Radua J, Ramos-Quiroga JA, Rasser PE, Rauer L, Reddy J, Redlich R, Reif A, Reneman L, Repple J, Retico A, Richarte V, Richter A, Rosa PGP, Rubia KK, Hashimoto R, Sacchet MD, Salvador R, Santonja J, Sarink K, Sarró S, Satterthwaite TD, Sawa A, Schall U, Schofield PR, Schranter A, Seitz J, Serpa MH, Setién-Suero E, Shaw P, Shook D, Silk TJ, Sim K, Simon S, Simpson HB, Singh A, Skoch A, Skokauskas N, Soares JC, Soreni N, Soriano-Mas C, Spalletta G, Spaniel F, Lawrie SM, Stern ER, Stewart SE, Takayanagi Y, Temmingh HS, Tolin DF, Tomecek D, Tordesillas-Gutiérrez D, Tosetti M, Uhlmann A, van Amelsvoort T, van der Wee NJA, van der Werff SJA, van Haren NEM, van Wingen GA, Vance A, Vázquez-Bourgon J, Vecchio D, Venkatasubramanian G, Vieta E, Vilarroya O, Vives-Gilabert Y, Voineskos AN, Völzke H, von Polier GG, Walton E, Weickert TW, Weickert CS, Weideman AS, Wittfeld K, Wolf DH, Wu MJ, Yang TT, Yang K, Yoncheva Y, Yun JY, Cheng Y, Zanetti MV, Ziegler GC, Franke B, Hoogman M, Buitelaar JK, van Rooij D, Andreassen OA, Ching CRK, Veltman DJ, Schmaal L, Stein DJ, van den Heuvel OA, Turner JA, van Erp TGM, Pausova Z, Thompson PM, Paus T. Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. *JAMA Psychiatry.* 2021 Jan 1;78(1):47-63. doi: 10.1001/jamapsychiatry.2020.2694.
- 206) Upthegrove R, Lalousis P, Mallikarjun P, Chisholm K, Griffiths SL, Iqbal M, Pelton M, Reniers R, Stainton A, Rosen M, Ruef A, Dwyer DB, Surman M, Haidl T, Penzel N, Kambeitz-Llankovic L, Bertolino A, Brambilla P, Borgwardt S, Kambeitz J, Lencer R, Pantelis C, Ruhrmann S, Schultze-Lutter F, Salokangas RKR, Meisenzahl E, Wood SJ, Koutsouleris N; PRONIA Consortium. The Psychopathology and Neuroanatomical Markers of Depression in Early Psychosis. *Schizophr Bull.* 2021 Jan 23;47(1):249-258. doi: 10.1093/schbul/sbaa094.
- 207) Koutsouleris N, Dwyer DB, Degenhardt F, Maj C, Urquijo-Castro MF, Sanfelici R, Popovic D, Oeztuerk O, Haas SS, Weiske J, Ruef A, Kambeitz-Ilankovic L, Antonucci LA, Neufang S, Schmidt-Kraepelin C, Ruhrmann S, Penzel N, Kambeitz J, Haidl TK, Rosen M, Chisholm K, Riecher-Rössler A, Egloff L, Schmidt A, Andreou C, Hietala J, Schirmer T, Romer G, Walger P, Franscini M, Traber-Walker N, Schimmelmann BG, Flückiger R, Michel C, Rössler W, Borisov

O, Krawitz PM, Heekeran K, Buechler R, Pantelis C, Falkai P, Salokangas RKR, Lencer R, Bertolino A, Borgwardt S, Noethen M, Brambilla P, Wood SJ, Upthegrove R, Schultze-Lutter F, Theodoridou A, Meisenzahl E; PRONIA Consortium. Multimodal Machine Learning Workflows for Prediction of Psychosis in Patients With Clinical High-Risk Syndromes and Recent-Onset Depression. *JAMA Psychiatry*. 2021 Feb 1;78(2):195-209. doi: 10.1001/jamapsychiatry.2020.3604.

- 208) Taurisano P, Pergola G, Monda A, Antonucci LA, Carlo PD, Piarulli F, Passiatore R, Papalino M, Romano R, Monaco A, Rampino A, Bonvino A, Porcelli A, Popolizio T, Bellotti R, Bertolino A, Blasi G. The interaction between cannabis use and a CB1-related polygenic co-expression index modulates dorsolateral prefrontal activity during working memory processing. *Brain Imaging Behav*. 2021 Feb;15(1):288-299. doi: 10.1007/s11682-020-00256-z.
- 209) Monteleone P, Cascino G, Monteleone AM, Rocca P, Rossi A, Bertolino A, Aguglia E, Amore M, Collantoni E, Corrivetti G, Cuomo A, Bellomo A, D'Ambrosio E, Dell'Osso L, Frascarelli M, Giordano GM, Giuliani L, Marchesi C, Montemagni C, Oldani L, Pinna F, Pompili M, Roncone R, Rossi R, Siracusano A, Vita A, Zeppegno P, Galderisi S, Maj M; Italian Network for Research on Psychoses. Prevalence of antipsychotic-induced extrapyramidal symptoms and their association with neurocognition and social cognition in outpatients with schizophrenia in the "real-life". *Prog Neuropsychopharmacol Biol Psychiatry*. 2021 Jan 20;109:110250. doi: 10.1016/j.pnpbp.2021.110250. Online ahead of print.
- 210) Lalousis PA, Wood SJ, Schmaal L, Chisholm K, Griffiths SL, Reniers RLEP, Bertolino A, Borgwardt S, Brambilla P, Kambeitz J, Lencer R, Pantelis C, Ruhrmann S, Salokangas RKR, Schultze-Lutter F, Bonivento C, Dwyer D, Ferro A, Haidl T, Rosen M, Schmidt A, Meisenzahl E, Koutsouleris N, Upthegrove R; PRONIA Consortium. Heterogeneity and Classification of Recent Onset Psychosis and Depression: A Multimodal Machine Learning Approach. *Schizophr Bull*. 2021 Jul 8;47(4):1130-1140. doi: 10.1093/schbul/sbaa185.
- 211) Mucci A, Galderisi S, Gibertoni D, Rossi A, Rocca P, Bertolino A, Aguglia E, Amore M, Bellomo A, Biondi M, Blasi G, Brasso C, Bucci P, Carpiello B, Cuomo A, Dell'Osso L, Giordano GM, Marchesi C, Monteleone P, Niolu C, Oldani L, Pettoruso M, Pompili M, Roncone R, Rossi R, Tenconi E, Vita A, Zeppegno P, Maj M; Italian Network for Research on Psychoses. Factors Associated With Real-Life Functioning in Persons With Schizophrenia in a 4-Year Follow-up Study of the Italian Network for Research on Psychoses. *JAMA Psychiatry* 2021 May 1;78(5):550-559. doi:10.1001/jamapsychiatry.2020.4614.
- 212) Dima D, Modabbernia A, Papachristou E, Doucet GE, Agartz I, Aghajani M, Akudjedu TN, Albajes-Eizagirre A, Alnaes D, Alpert KI, Andersson M, Andreassen NC, Andreassen OA, Asherson P, Banaschewski T, Bargallo N, Baumeister S, Baur-Streubel R, Bertolino A, Bonvino A, Boomsma DI, Borgwardt S, Bourque J, Brandeis D, Breier A, Brodaty H, Brouwer RM, Buitelaar JK, Busatto GF, Buckner RL, Calhoun V, Canales-Rodríguez EJ, Cannon DM, Caseras X, Castellanos FX, Cervenka S, Chaim-Avancini TM, Ching CRK, Chubar V, Clark VP, Conrod P, Conzelmann A, Crespo-Facorro B, Crivello F, Crone EA, Dannlowski U, Dale AM, Davey C, de Geus EJC, de Haan L, de Zubiray GI, den Braber A, Dickie EW, Di Giorgio A, Doan NT, Dørum ES, Ehrlich S, Erk S, Espeseth T, Fatouros-Bergman H, Fisher SE, Fouche JP, Franke B, Frodl T, Fuentes-Claramonte P, Glahn DC, Gotlib IH, Grabe HJ, Grimm O, Groenewold NA, Grotegerd D, Gruber O, Gruner P, Gur RE, Gur RC, Hahn T, Harrison BJ, Hartman CA, Hatton SN, Heinz A, Heslenfeld DJ, Hibar DP, Hickie IB, Ho BC, Hoekstra PJ, Hohmann S, Holmes AJ, Hoogman M, Hosten N, Howells FM, Hulshoff Pol HE, Huyser C, Jahanshad N, James A, Jernigan TL, Jiang J, Jönsson EG, Joska JA, Kahn R, Kalnin A, Kanai R, Klein M, Klyushnik TP, Koenders L, Koops S, Krämer B, Kuntsi J, Lagopoulos J, Lázaro L, Lebedeva I, Lee WH, Lesch KP, Lochner C, Machielsen MWJ, Maingault S, Martin NG, Martínez-Zalacaín I, Mataix-Cols D, Mazoyer B, McDonald C, McDonald BC, McIntosh AM, McMahon KL, McPhilemy G, Meinert S, Menchón JM, Medland SE, Meyer-Lindenberg A, Naaijen J, Najt P, Nakao T, Nordvik JE, Nyberg L, Oosterlaan J, de la Foz VO, Paloyelis Y, Pauli P, Pergola G, Pomarol-Clotet E, Portella MJ, Potkin SG, Radua J, Reif A, Rinker DA, Roffman JL, Rosa PGP, Sacchet MD, Sachdev PS, Salvador R, Sánchez-Juan P, Sarró S, Satterthwaite TD, Saykin AJ, Serpa MH,

Schmaal L, Schnell K, Schumann G, Sim K, Smoller JW, Sommer I, Soriano-Mas C, Stein DJ, Strike LT, Swagerman SC, Tamnes CK, Temmingh HS, Thomopoulos SI, Tomyshov AS, Tordesillas-Gutiérrez D, Trollor JN, Turner JA, Uhlmann A, van den Heuvel OA, van den Meer D, van der Wee NJA, van Haren NEM, Van't Ent D, van Erp TGM, Veer IM, Veltman DJ, Voineskos A, Völzke H, Walter H, Walton E, Wang L, Wang Y, Wassink TH, Weber B, Wen W, West JD, Westlye LT, Whalley H, Wierenga LM, Williams SCR, Wittfeld K, Wolf DH, Worker A, Wright MJ, Yang K, Yoncheva Y, Zanetti MV, Ziegler GC, Thompson PM, Frangou S; Karolinska Schizophrenia Project (KaSP). Subcortical volumes across the lifespan: Data from 18,605 healthy individuals aged 3-90 years. *Hum Brain Mapp* 2022 Jan;43(1):452-469. doi: 10.1002/hbm.25320. Epub 2021 Feb 11.

- 213) Rocca P, Brasso C, Montemagni C, Bellino S, Rossi A, Bertolino A, 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.
- 214) Frangou S, Modabbernia A, Williams SCR, Papachristou E, Doucet GE, Agartz I, Aghajani M, Akudjedu TN, Albajes-Eizagirre A, Alnaes D, Alpert KI, Andersson M, Andreasen NC, Andreassen OA, Asherson P, Banaschewski T, Bargallo N, Baumeister S, Baur-Streubel R, Bertolino A, Bonvino A, Boomsma DI, Borgwardt S, Bourque J, Brandeis D, Breier A, Brodaty H, Brouwer RM, Buitelaar JK, Busatto GF, Buckner RL, Calhoun V, Canales-Rodríguez EJ, Cannon DM, Caseras X, Castellanos FX, Cervenka S, Chaim-Avancini TM, Ching CRK, Chubar V, Clark VP, Conrod P, Conzelmann A, Crespo-Facorro B, Crivello F, Crone EA, Dale AM, Dannlowski U, Davey C, de Geus EJC, de Haan L, de Zubizaray GI, den Braber A, Dickie EW, Di Giorgio A, Doan NT, Dørum ES, Ehrlich S, Erk S, Espeseth T, Fatouros-Bergman H, Fisher SE, Fouche JP, Franke B, Frodl T, Fuentes-Claramonte P, Glahn DC, Gotlib IH, Grabe HJ, Grimm O, Groenewold NA, Grotegerd D, Gruber O, Gruner P, Gur RE, Gur RC, Hahn T, Harrison BJ, Hartman CA, Hatton SN, Heinz A, Heslenfeld DJ, Hibar DP, Hickie IB, Ho BC, Hoekstra PJ, Hohmann S, Holmes AJ, Hoogman M, Hosten N, Howells FM, Hulshoff Pol HE, Huyser C, Jahanshad N, James A, Jernigan TL, Jiang J, Jönsson EG, Joska JA, Kahn R, Kalnin A, Kanai R, Klein M, Klyushnik TP, Koenders L, Koops S, Krämer B, Kuntsi J, Lagopoulos J, Lázaro L, Lebedeva I, Lee WH, Lesch KP, Lochner C, Machielsen MWJ, Maingault S, Martin NG, Martínez-Zalacaín I, Mataix-Cols D, Mazoyer B, McDonald C, McDonald BC, McIntosh AM, McMahon KL, McPhilemy G, Meinert S, Menchón JM, Medland SE, Meyer-Lindenberg A, Naaijen J, Najt P, Nakao T, Nordvik JE, Nyberg L, Oosterlaan J, de la Foz VO, Paloyelis Y, Pauli P, Pergola G, Pomarol-Clotet E, Portella MJ, Potkin SG, Radua J, Reif A, Rinker DA, Roffman JL, Rosa PGP, Sacchet MD, Sachdev PS, Salvador R, Sánchez-Juan P, Sarró S, Satterthwaite TD, Saykin AJ, Serpa MH, Schmaal L, Schnell K, Schumann G, Sim K, Smoller JW, Sommer I, Soriano-Mas C, Stein DJ, Strike LT, Swagerman SC, Tamnes CK, Temmingh HS, Thomopoulos SI, Tomyshov AS, Tordesillas-Gutiérrez D, Trollor JN, Turner JA, Uhlmann A, van den Heuvel OA, van den Meer D, van der Wee NJA, van Haren NEM, van 't Ent D, van Erp TGM, Veer IM, Veltman DJ, Voineskos A, Völzke H, Walter H, Walton E, Wang L, Wang Y, Wassink TH, Weber B, Wen W, West JD, Westlye LT, Whalley H, Wierenga LM, Wittfeld K, Wolf DH, Worker A, Wright MJ, Yang K, Yoncheva Y, Zanetti MV, Ziegler GC; Karolinska Schizophrenia Project (KaSP), Thompson PM, Dima D. Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3-90 years. *Hum Brain Mapp*. 2022 Jan;43(1):431-451. doi: 10.1002/hbm.25364. Epub 2021 Feb 17.
- 215) Rosen M, Betz LT, Schultze-Lutter F, Chisholm K, Haidl TK, Kambeitz-Ilankovic L, Bertolino A, Borgwardt S, Brambilla P, Lencer R, Meisenzahl E, Ruhrmann S, Salokangas RKR, Upthegrove R, Wood SJ, Koutsouleris N, Kambeitz J; PRONIA Consortium. Towards clinical application of prediction models for transition to psychosis: A systematic review and external validation study in the PRONIA sample. *Neurosci Biobehav Rev*. 2021 Jun;125:478-492. doi: 10.1016/j.neubiorev.2021.02.032. Epub 2021 Feb 23.
- 216) Penzel N, Antonucci LA, Betz LT, Sanfelici R, Weiske J, Pogarell O, Cumming P, Quednow BB, Howes O, Falkai P, Upthegrove R, Bertolino A, Borgwardt S, Brambilla P, Lencer R, Meisenzahl E, Rosen M, Haidl T, Kambeitz-Ilankovic L, Ruhrmann S, Salokangas RRK, Pantelis C, Wood SJ, Koutsouleris N, Kambeitz J; PRONIA Consortium. Association between age of cannabis initiation and gray matter covariance networks in recent onset

psychosis. *Neuropsychopharmacology*. 2021 Jul;46(8):1484-1493. doi: 10.1038/s41386-021-00977-9. Epub 2021 Mar 3.

- 217) Antonucci LA, Raio A, Pergola G, Gelao B, Papalino M, Rampino A, Andriola I, Blasi G, Bertolino A. Machine learning-based ability to classify psychosis and early stages of disease through parenting and attachment-related variables is associated with social cognition. *BMC Psychol*. 2021 Mar 23;9(1):47. doi: 10.1186/s40359-021-00552-3.
- 218) Rampino A, Torretta S, Gelao B, Veneziani F, Iacoviello M, Marakhovskaya A, Masellis R, Andriola I, Sportelli L, Pergola G, Minelli A, Magri C, Gennarelli M, Vita A, Beaulieu JM, Bertolino A, Blasi G. Evidence of an interaction between *FXR1* and *GSK3β* polymorphisms on levels of Negative Symptoms of Schizophrenia and their response to antipsychotics. *Eur Psychiatry*. 2021 Apr 19;64(1):e39. doi: 10.1192/j.eurpsy.2021.26.
- 219) Braun U, Harneit A, Pergola G, Menara T, Schäfer A, Betzel RF, Zang Z, Schweiger JI, Zhang X, Schwarz K, Chen J, Blasi G, Bertolino A, Durstewitz D, Pasqualetti F, Schwarz E, Meyer-Lindenberg A, Bassett DS, Tost H. Brain network dynamics during working memory are modulated by dopamine and diminished in schizophrenia. *Nat Commun*. 2021 Jun 9;12(1):3478. doi: 10.1038/s41467-021-23694-9.
- 220) Ghosal S, Chen Q, Pergola G, Goldman AL, Ulrich W, Berman KF, Blasi G, Fazio L, Rampino A, Bertolino A, Weinberger DR, Mattay VS, Venkataraman A. A generative-discriminative framework that integrates imaging, genetic, and diagnosis into coupled low dimensional space. *Neuroimage*. 2021 Sep;238:118200. doi: 10.1016/j.neuroimage.2021.118200. Epub 2021 Jun 10.
- 221) 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, Carpinello 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; Italian Network for Research on Psychoses. 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. Epub 2021 Jun 16.
- 222) Koutsouleris N, Worthington M, Dwyer DB, Kambeitz-Ilankovic L, Sanfelici R, Fusar-Poli P, Rosen M, Ruhrmann S, Anticevic A, Addington J, Perkins DO, Bearden CE, Cornblatt BA, Cadenhead KS, Mathalon DH, McGlashan T, Seidman L, Tsuang M, Walker EF, Woods SW, Falkai P, Lencer R, Bertolino A, Kambeitz J, Schultze-Lutter F, Meisenzahl E, Salokangas RKR, Hietala J, Brambilla P, Upthegrove R, Borgwardt S, Wood S, Gur RE, McGuire P, Cannon TD. Toward Generalizable and Transdiagnostic Tools for Psychosis Prediction: An Independent Validation and Improvement of the NAPLS-2 Risk Calculator in the Multisite PRONIA Cohort. *Biol Psychiatry*. 2021 Nov 1;90(9):632-642. doi: 10.1016/j.biopsych.2021.06.023. Epub 2021 Jul 6.
- 223) Sanfelici R, Ruef A, Antonucci LA, Penzel N, Sotiras A, Dong MS, Urquijo-Castro M, Wenzel J, Kambeitz-Ilankovic L, Hettwer MD, Ruhrmann S, Chisholm K, Riecher-Rössler A, Falkai P, Pantelis C, Salokangas RKR, Lencer R, Bertolino A, Kambeitz J, Meisenzahl E, Borgwardt S, Brambilla P, Wood SJ, Upthegrove R, Schultze-Lutter F, Koutsouleris N, Dwyer DB; PRONIA Consortium. Novel Gyration Networks Reveal Links with Psychiatric Risk Factors in Early Illness. *Cereb Cortex*. 2022 Apr 5;32(8):1625-1636. doi: 10.1093/cercor/bhab288.
- 224) Fusar-Poli P, Minichino A, Brambilla P, Raballo A, Bertolino A, Borgatti R, Mensi M, Ferro A, Galderisi S. ITAian partnership for psychosis prevention (ITAPP): Improving the mental health of young people. *Eur Psychiatry*. 2021 Sep 21;64(1):e62. doi: 10.1192/j.eurpsy.2021.2232.
- 225) Passiatore R, Antonucci LA, Bierstedt S, Saranathan M, Bertolino A, Suchan B, Pergola G. How recent learning shapes the brain: Memory-dependent functional reconfiguration of brain circuits. *Neuroimage*. 2021 Dec 15;245:118636. doi: 10.1016/j.neuroimage.2021.118636. Epub 2021 Oct 9.

- 226) Frangou S, Modabbernia A, Williams SCR, Papachristou E, Doucet GE, Agartz I, Aghajani M, Akudjedu TN, Albajes-Eizagirre A, Alnaes D, Alpert KI, Andersson M, Andreasen NC, Andreassen OA, Asherson P, Banaschewski T, Bargallo N, Baumeister S, Baur-Streubel R, Bertolino A, Bonvino A, Boomsma DI, Borgwardt S, Bourque J, Brandeis D, Breier A, Brodaty H, Brouwer RM, Buitelaar JK, Busatto GF, Buckner RL, Calhoun V, Canales-Rodríguez EJ, Cannon DM, Caseras X, Castellanos FX, Cervenka S, Chaim-Avancini TM, Ching CRK, Chubar V, Clark VP, Conrod P, Conzelmann A, Crespo-Facorro B, Crivello F, Crone EA, Dale AM, Dannlowski U, Davey C, de Geus EJC, de Haan L, de Zubicaray GI, den Braber A, Dickie EW, Di Giorgio A, Doan NT, Dørrum ES, Ehrlich S, Erk S, Espeseth T, Fatouros-Bergman H, Fisher SE, Fouche JP, Franke B, Frodl T, Fuentes-Claramonte P, Glahn DC, Gotlib IH, Grabe HJ, Grimm O, Groenewold NA, Grotegerd D, Gruber O, Gruner P, Gur RE, Gur RC, Hahn T, Harrison BJ, Hartman CA, Hatton SN, Heinz A, Heslenfeld DJ, Hibar DP, Hickie IB, Ho BC, Hoekstra PJ, Hohmann S, Holmes AJ, Hoogman M, Hosten N, Howells FM, Hulshoff Pol HE, Huyser C, Jahanshad N, James A, Jernigan TL, Jiang J, Jönsson EG, Joska JA, Kahn R, Kalnin A, Kanai R, Klein M, Klyushnik TP, Koenders L, Koops S, Krämer B, Kuntsi J, Lagopoulos J, Lázaro L, Lebedeva I, Lee WH, Lesch KP, Lochner C, Machielsen MWJ, Maingault S, Martin NG, Martínez-Zalacaín I, Mataix-Cols D, Mazoyer B, McDonald C, McDonald BC, McIntosh AM, McMahon KL, McPhilemy G, Meinert S, Menchón JM, Medland SE, Meyer-Lindenberg A, Naaijen J, Najt P, Nakao T, Nordvik JE, Nyberg L, Oosterlaan J, de la Foz VO, Paloyelis Y, Pauli P, Pergola G, Pomarol-Clotet E, Portella MJ, Potkin SG, Radua J, Reif A, Rinker DA, Roffman JL, Rosa PGP, Sacchet MD, Sachdev PS, Salvador R, Sánchez-Juan P, Sarró S, Satterthwaite TD, Saykin AJ, Serpa MH, Schmaal L, Schnell K, Schumann G, Sim K, Smoller JW, Sommer I, Soriano-Mas C, Stein DJ, Strike LT, Swagerman SC, Tamnes CK, Temmingh HS, Thomopoulos SI, Tomyshev AS, Tordesillas-Gutiérrez D, Trollor JN, Turner JA, Uhlmann A, van den Heuvel OA, van den Meer D, van der Wee NJA, van Haren NEM, van 't Ent D, van Erp TGM, Veer IM, Veltman DJ, Voineskos A, Völzke H, Walter H, Walton E, Wang L, Wang Y, Wassink TH, Weber B, Wen W, West JD, Westlye LT, Whalley H, Wierenga LM, Wittfeld K, Wolf DH, Worker A, Wright MJ, Yang K, Yoncheva Y, Zanetti MV, Ziegler GC; Karolinska Schizophrenia Project (KaSP), Thompson PM, Dima D. Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3-90 years. *Hum Brain Mapp*. 2022 Jan;43(1):431-451. doi: 10.1002/hbm.25364. Epub 2021 Feb 17.
- 227) Antonucci LA, Fazio L, Pergola G, Blasi G, Stolfa G, Di Palo P, Mucci A, Rocca P, Brasso C, di Giannantonio M, Maria Giordano G, Monteleone P, Pompili M, Siracusano A, Bertolino A, Galderisi S, Maj M; Italian Network for Research on Psychoses. Joint structural-functional magnetic resonance imaging features are associated with diagnosis and real-world functioning in patients with schizophrenia. *Schizophr Res*. 2022 Feb;240:193-203. doi: 10.1016/j.schres.2021.12.029. Epub 2022 Jan 12.
- 228) Penzel N, Sanfelici R, Antonucci LA, Betz LT, Dwyer D, Ruef A, Cho KIK, Cumming P, Pogarell O, Howes O, Falkai P, Upthegrove R, Borgwardt S, Brambilla P, Lencer R, Meisenzahl E, Schultz-Lutter F, Rosen M, Lichtenstein T, Kambeitz-Ilankovic L, Ruhrmann S, Salokangas RKR, Pantelis C, Wood SJ, Quednow BB, Pergola G, Bertolino A, Koutsouleris N, Kambeitz J; PRONIA Consortium. Pattern of predictive features of continued cannabis use in patients with recent-onset psychosis and clinical high-risk for psychosis. *Schizophrenia (Heidelb)*. 2022 Mar 9;8(1):19. doi: 10.1038/s41537-022-00218-y.
- 229) Giordano GM, Palumbo D, Mucci A, Ventura J, Giuliani L, Perrottelli A, Bucci P, Rocca P, Rossi A, Bertolino A, Rucci P, Galderisi S, Maj M; Italian Network for Research on Psychoses. The Cognitive Assessment Interview (CAI): Association with neuropsychological scores and real-life functioning in a large sample of Italian subjects with schizophrenia. *Schizophr Res*. 2022 Mar;241:161-170. doi: 10.1016/j.schres.2022.01.029. Epub 2022 Feb 3.
- 230) Trubetskoy V, Pardiñas AF, Qi T, Panagiotaropoulou G, Awasthi S, Bigdely TB, Bryois J, Chen CY, Dennison CA, Hall LS, Lam M, Watanabe K, Frei O, Ge T, Harwood JC, Koopmans F, Magnusson S, Richards AL, Sidorenko J, Wu Y, Zeng J, Grove J, Kim M, Li Z, Voloudakis G, Zhang W, Adams M, Agartz I, Atkinson EG, Agerbo E, Al Eissa M,

Albus M, Alexander M, Alizadeh BZ, Alptekin K, Als TD, Amin F, Arolt V, Arrojo M, Athanasiu L, Azevedo MH, Bacanu SA, Bass NJ, Begemann M, Belliveau RA, Bene J, Benyamin B, Bergen SE, Blasi G, Bobes J, Bonassi S, Braun A, Bressan RA, Bromet EJ, Bruggeman R, Buckley PF, Buckner RL, Bybjerg-Grauholt J, Cahn W, Cairns MJ, Calkins ME, Carr VJ, Castle D, Catts SV, Chambert KD, Chan RCK, Chaumette B, Cheng W, Cheung EFC, Chong SA, Cohen D, Consoli A, Cordeiro Q, Costas J, Curtis C, Davidson M, Davis KL, de Haan L, Degenhardt F, DeLisi LE, Demontis D, Dickerson F, Dikeos D, Dinan T, Djurovic S, Duan J, Ducci G, Dudbridge F, Eriksson JG, Fañanás L, Faraone SV, Fiorentino A, Forstner A, Frank J, Freimer NB, Fromer M, Frustaci A, Gadelha A, Genovese G, Gershon ES, Giannitelli M, Giegling I, Giusti-Rodríguez P, Godard S, Goldstein JI, González Peñas J, González-Pinto A, Gopal S, Gratten J, Green MF, Greenwood TA, Guillén O, Güloksüz S, Gur RE, Gur RC, Gutiérrez B, Hahn E, Hakonarson H, Haroutunian V, Hartmann AM, Harvey C, Hayward C, Henskens FA, Herms S, Hoffmann P, Howigan DP, Ikeda M, Iyegbe C, Joa I, Julià A, Kähler AK, Kam-Thong T, Kamatani Y, Karachanak-Yankova S, Kebir O, Keller MC, Kelly BJ, Khrunin A, Kim SW, Klovins J, Kondratiev N, Konte B, Kraft J, Kubo M, Kučinskas V, Kučinskiene ZA, Kusumawardhani A, Kuzelova-Ptackova H, Landi S, Lazzeroni LC, Lee PH, Legge SE, Lehrer DS, Lencer R, Lerer B, Li M, Lieberman J, Light GA, Limborska S, Liu CM, Lönnqvist J, Loughland CM, Lubinski J, Luykx JJ, Lynham A, Macek M Jr, Mackinnon A, Magnusson PKE, Maher BS, Maier W, Malaspina D, Mallet J, Marder SR, Marsal S, Martin AR, Martorell L, Mattheisen M, McCarley RW, McDonald C, McGrath JJ, Medeiros H, Meier S, Melegh B, Melle I, Mesholam-Gately RI, Metspalu A, Michie PT, Milani L, Milanova V, Mitjans M, Molden E, Molina E, Molto MD, Mondelli V, Moreno C, Morley CP, Muntané G, Murphy KC, Myint-Germeyns I, Nenadić I, Nestadt G, Nikitina-Zake L, Noto C, Nuechterlein KH, O'Brien NL, O'Neill FA, Oh SY, Olincy A, Ota VK, Pantelis C, Papadimitriou GN, Parellada M, Paunio T, Pellegrino R, Periyasamy S, Perkins DO, Pfuhlmann B, Pietiläinen O, Pimm J, Porteous D, Powell J, Quattrone D, Quested D, Radant AD, Rampino A, Rapaport MH, Rautanen A, Reichenberg A, Roe C, Roffman JL, Roth J, Rothermundt M, Rutten BPF, Saker-Delye S, Salomaa V, Sanjuan J, Santoro ML, Savitz A, Schall U, Scott RJ, Seidman LJ, Sharp SI, Shi J, Siever LJ, Sigurdsson E, Sim K, Skarabis N, Slominsky P, So HC, Sobell JL, Söderman E, Stain HJ, Steen NE, Steixner-Kumar AA, Stögmann E, Stone WS, Straub RE, Streit F, Strengman E, Stroup TS, Subramaniam M, Sugar CA, Suvisaari J, Svarkic DM, Swerdlow NR, Szatkiewicz JP, Ta TMT, Takahashi A, Terao C, Thibaut F, Toncheva D, Tooney PA, Torretta S, Tosato S, Tura GB, Turetsky BI, Üçok A, Vaaler A, van Amelsvoort T, van Winkel R, Veijola J, Waddington J, Walter H, Waterreus A, Webb BT, Weiser M, Williams NM, Witt SH, Wormley BK, Wu JQ, Xu Z, Yolken R, Zai CC, Zhou W, Zhu F, Zimprich F, Atbaşoğlu EC, Ayub M, Benner C, Bertolino A, Black DW, Bray NJ, Breen G, Buccola NG, Byerley WF, Chen WJ, Cloninger CR, Crespo-Facorro B, Donohoe G, Freedman R, Galletly C, Gandal MJ, Gennarelli M, Hougaard DM, Hwu HG, Jablensky AV, McCarroll SA, Moran JL, Mors O, Mortensen PB, Müller-Myhsok B, Neil AL, Nordentoft M, Pato MT, Petryshen TL, Pirinen M, Pulver AE, Schulze TG, Silverman JM, Smoller JW, Stahl EA, Tsuang DW, Vilella E, Wang SH, Xu S; Indonesia Schizophrenia Consortium; PsychENCODE; Psychosis Endophenotypes International Consortium; SynGO Consortium, Adolfsson R, Arango C, Baune BT, Belanger SI, Børglum AD, Braff D, Bramon E, Buxbaum JD, Campion D, Cervilla JA, Cichon S, Collier DA, Corvin A, Curtis D, Forti MD, Domenici E, Ehrenreich H, Escott-Price V, Esko T, Fanous AH, Gareeva A, Gawlik M, Gejman PV, Gill M, Glatt SJ, Golimbet V, Hong KS, Hultman CM, Hyman SE, Iwata N, Jönsson EG, Kahn RS, Kennedy JL, Khusnutdinova E, Kirov G, Knowles JA, Krebs MO, Laurent-Levinson C, Lee J, Lencz T, Levinson DF, Li QS, Liu J, Malhotra AK, Malhotra D, McIntosh A, McQuillin A, Menezes PR, Morgan VA, Morris DW, Mowry BJ, Murray RM, Nimgaonkar V, Nöthen MM, Ophoff RA, Paciga SA, Palotie A, Pato CN, Qin S, Rietschel M, Riley BP, Rivera M, Rujescu D, Saka MC, Sanders AR, Schwab SG, Serretti A, Sham PC, Shi Y, St Clair D, Stefánsson H, Stefansson K, Tsuang MT, van Os J, Vawter MP, Weinberger DR, Werger T, Wildenauer DB, Yu X, Yue W, Holmans PA, Pocklington AJ, Roussos P, Vassos E, Verhage M, Visscher PM, Yang J, Posthuma D, Andreassen OA, Kendler KS, Owen MJ, Wray NR, Daly MJ, Huang H, Neale BM, Sullivan PF, Ripke S, Walters JTR, O'Donovan MC; Schizophrenia Working Group of the Psychiatric Genomics Consortium. Mapping genomic loci implicates genes and synaptic biology in schizophrenia. *Nature*. 2022 Apr;604(7906):502-508. doi: 10.1038/s41586-022-04434-5. Epub 2022 Apr 8.

- 231) Buoli M, Cesana BM, Bolognesi S, Fagiolini A, Albert U, Di Salvo G, Maina G, de Bartolomeis A, Pompili M, Palumbo C, Bondi E, Steardo L Jr, De Fazio P, Amore M, Altamura M, Bellomo A, Bertolino A, Di Nicola M, Di Sciascio G, Fiorillo A, Sacchetti E, Sani G, Siracusano A, Di Lorenzo G, Tortorella A, Altamura AC, Dell'Osso B; ISBD Italian Chapter Epidemiologic Group. Factors associated with lifetime suicide attempts in bipolar disorder: results from

an Italian nationwide study. Eur Arch Psychiatry Clin Neurosci. 2022 Apr;272(3):359-370. doi: 10.1007/s00406-021-01343-y. Epub 2021 Oct 15.

- 232) D'Ambrosio E, Pergola G, Pardiñas AF, Dahoun T, Veronese M, Sportelli L, Taurisano P, Griffiths K, Jauhar S, Rogdaki M, Bloomfield MAP, Froudast-Walsh S, Bonoldi I, Walters JTR, Blasi G, Bertolino A, Howes OD. A polygenic score indexing a DRD2-related co-expression network is associated with striatal dopamine function. Sci Rep. 2022 Jul 23;12(1):12610. doi: 10.1038/s41598-022-16442-6.
- 233) Patel Y, Shin J, Abé C, Agartz I, Alloza C, Alnæs D, Ambrogi S, Antonucci LA, Arango C, Arolt V, Auzias G, Ayesa-Arriola R, Banaj N, Banaschewski T, Bandeira C, Bağçöze Z, Cupertino RB, Bau CHD, Bauer J, Baumeister S, Bernardoni F, Bertolino A, Bonnin CDM, Brandeis D, Brem S, Bruggemann J, Bülow R, Bustillo JR, Calderoni S, Calvo R, Canales-Rodríguez EJ, Cannon DM, Carmona S, Carr VJ, Catts SV, Chenji S, Chew QH, Coghill D, Connolly CG, Conzelmann A, Craven AR, Crespo-Facorro B, Cullen K, Dahl A, Dannlowski U, Davey CG, Deruelle C, Díaz-Caneja CM, Dohm K, Ehrlich S, Epstein J, Erwin-Grabner T, Eyler LT, Fedor J, Fitzgerald J, Foran W, Ford JM, Fortea L, Fuentes-Claramonte P, Fullerton J, Furlong L, Gallagher L, Gao B, Gao S, Goikolea JM, Gotlib I, Goya-Maldonado R, Grabe HJ, Green M, Grevet EH, Groenewold NA, Grotegerd D, Gruber O, Haavik J, Hahn T, Harrison BJ, Heindel W, Henskens F, Heslenfeld DJ, Hilland E, Hoekstra PJ, Hohmann S, Holz N, Howells FM, Ipser JC, Jahanshad N, Jakobi B, Jansen A, Janssen J, Jonassen R, Kaiser A, Kaleda V, Karantonis J, King JA, Kircher T, Kochunov P, Koopowitz SM, Landén M, Landrø NI, Lawrie S, Lebedeva I, Luna B, Lundervold AJ, MacMaster FP, Maglanoc LA, Mathalon DH, McDonald C, McIntosh A, Meinert S, Michie PT, Mitchell P, Moreno-Alcázar A, Mowry B, Muratori F, Nabulsi L, Nenadić I, O'Gorman Tuura R, Oosterlaan J, Overs B, Pantelis C, Parellada M, Pariente JC, Pauli P, Pergola G, Piarulli FM, Picon F, Piras F, Pomarol-Clotet E, Pretus C, Quidé Y, Radua J, Ramos-Quiroga JA, Rasser PE, Reif A, Retico A, Roberts G, Rossell S, Rovaris DL, Rubia K, Sacchet M, Salavert J, Salvador R, Sarró S, Sawa A, Schall U, Scott R, Selvaggi P, Silk T, Sim K, Skoch A, Spalletta G, Spaniel F, Stein DJ, Steinsträter O, Stoliczyn A, Takayanagi Y, Tamm L, Tavares M, Teumer A, Thiel K, Thomopoulos SI, Tomecek D, Tomyshev AS, Tordesillas-Gutiérrez D, Tosetti M, Uhlmann A, Van Rheenen T, Vazquez-Bourgón J, Vernooij MW, Vieta E, Vilarroya O, Weickert C, Weickert T, Westlye LT, Whalley H, Willinger D, Winter A, Wittfeld K, Yang TT, Yoncheva Y, Zijlmans JL, Hoogman M, Franke B, van Rooij D, Buitelaar J, Ching CRK, Andreassen OA, Pozzi E, Veltman D, Schmaal L, van Erp TGM, Turner J, Castellanos FX, Pausova Z, Thompson P, Paus T. Virtual Ontogeny of Cortical Growth Preceding Mental Illness. Biol Psychiatry. 2022 Aug 15;92(4):299-313. doi: 10.1016/j.biopsych.2022.02.959. Epub 2022 Mar 4.
- 234) Luciano M, Sampogna G, Amore M, Bertolino A, Dell'Osso L, Rossi A, Siracusano A, Calcagno P, Carmassi C, Di Lorenzo G, Di Vincenzo M, Giallonardo V, Rampino A, Rossi R; LIFESTYLE Working Group, Fiorillo A. Improving physical activity and diet in patients with severe mental disorders: Results from the LIFESTYLE multicentric, real-world randomized controlled trial. Psychiatry Res. 2022 Aug 31;317:114818. doi: 10.1016/j.psychres.2022.114818. Online ahead of print.
- 235) Koutsouleris N, Pantelis C, Velakoulis D, McGuire P, Dwyer DB, Urquijo-Castro MF, Paul R, Dong S, Popovic D, Oeztuerk O, Kambeitz J, Salokangas RKR, Hietala J, Bertolino A, Brambilla P, Upthegrove R, Wood SJ, Lencer R, Borgwardt S, Maj C, Nöthen M, Degenhardt F, Polyakova M, Mueller K, Villringer A, Danek A, Fassbender K, Fliessbach K, Jahn H, Kornhuber J, Landwehrmeyer B, Anderl-Straub S, Prudlo J, Synofzik M, Wilfang J, Riedl L, Diehl-Schmid J, Otto M, Meisenzahl E, Falkai P, Schroeter ML; International FTD-Genetics Consortium (IFGC), the German Frontotemporal Lobar Degeneration (FTLD) Consortium, and the PRONIA Consortium. Exploring Links Between Psychosis and Frontotemporal Dementia Using Multimodal Machine Learning: Dementia Praecox Revisited. JAMA Psychiatry. 2022 Sep 1;79(9):907-919. doi: 10.1001/jamapsychiatry.2022.2075.
- 236) Martinotti G, Vita A, Fagiolini A, Maina G, Bertolino A, Dell'Osso B, Siracusano A, Clerici M, Bellomo A, Sani G, d'Andrea G, Chiaie RD, Conca A, Barlati S, Di Lorenzo G, De Fazio P, De Filippis S, Nicolò G, Rosso G, Valchera A,

Nucifora D, Di Mauro S, Bassetti R, Martiadis V, Olivola M, Belletti S, Andriola I, Di Nicola M, Pettorusso M, McIntyre RS, di Giannantonio M; REAL-ESK Study Group. J. Real-world experience of esketamine use to manage treatment-resistant depression: A multicentric study on safety and effectiveness (REAL-ESK study). *Affect Disord.* 2022 Sep 24;319:646-654. doi: 10.1016/j.jad.2022.09.043. Online ahead of print.

- 237) Antonucci LA, Pergola G, Rampino A, Rocca P, Rossi A, Amore M, Aguglia E, Bellomo A, Bianchini V, Brasso C, Bucci P, Carpiniello B, Dell'Osso L, di Fabio F, di Giannantonio M, Fagiolini A, Giordano GM, Marcatilli M, Marchesi C, Meneguzzo P, Monteleone P, Pompili M, Rossi R, Siracusano A, Vita A, Zeppegno P, Galderisi S, Bertolino A, Maj M; Italian Network for Research on Psychoses. Clinical and psychological factors associated with resilience in patients with schizophrenia: data from the Italian network for research on psychoses using machine learning. *Psychol Med.* 2022 Oct 11:1-12. doi: 10.1017/S003329172200294X. Online ahead of print.
- 238) Schwarzer JM, Meyhoefer I, Antonucci LA, Kambeitz-Ilankovic L, Surmann M, Bienek O, Romer G, Dannlowski U, Hahn T, Korda A, Dwyer DB, Ruef A, Haas SS, Rosen M, Lichtenstein T, Ruhrmann S, Kambeitz J, Salokangas RKR, Pantelis C, Schultze-Lutter F, Meisenzahl E, Brambilla P, Bertolino A, Borgwardt S, Upthegrove R, Koutsouleris N, Lencer R; PRONIA Consortium. The impact of visual dysfunctions in recent-onset psychosis and clinical high-risk state for psychosis. *Neuropsychopharmacology.* 2022 Nov;47(12):2051-2060. doi: 10.1038/s41386-022-01385-3. Epub 2022 Aug 18.