Febbraio 2017

Curriculum Vitae

Dott. Ing. GIANLUCA RAMBALDELLI

Indirizzo:

Dipartimento di Sanità Pubblica e Medicina di Comunità,
Sezione di Psichiatria e di Psicologia Clinica, Università di Verona,
Piazzale L.A. Scuro 10, 37134 Verona, Italy
E-mail: gianluca.rambaldelli@univr.it

Qualifica:

Funzionario di Elaborazione dati, Sezione di Psichiatria, Dipartimento di Neuroscienze, Biomedicina e Movimento, Università di Verona (Centro O.M.S. *di Ricerca sulla salute mentale*) dal 1 Luglio 2006

Titoli:

17/12/2003

Laurea magistrale in Informatica, Università di Verona.

22/07/2004

Laurea Specialistica in Informatica, Università di Verona

31/03/2005

Master di I° Livello "Elaborazione di dati biomedici e telecontrollo in medicina"

27/01/2009

Abilitazione all'esercizio della professione di Ingegnere dell'Informazione (Sez.A)

Lingue straniere

Inglese scritto e parlato livello B2

Esperienze professionali:

Sistemi operativi:

Microsoft Windows: configurazione server 2008 con Active Directory e gestione profili utente;
Linux: configurazione dei servizi di rete e installazioni client;

Sistemi di rete:

Configurazione rete privata, DNS, Gateway, Proxy;

Linguaggi di programmazione:

C, C++, Java, Visual Basic, Perl, Php, Html, J2EE;

DBMS:

MySQL e PostgreSQL, Oracle e PS/SQL;

Software specifici per le analisi dei dati:

Matlab, Brains2, FSL, Scion, Amira, MEDx, Freesurfer;

Software di statistica:

STATA, SPSS, R.

Esperienze precedenti di lavoro:

15/10/1996- 01/08/1999
        Scuola 2F in Verona
        qualifica: Insegnante di Informatica, Corsi spedifici di DOS, Windows, Visual Basic
          e Microsoft Office.

01/08/1999 -01/02/2000
        2F Communication S.r.l. di Verona
        qualifica: Web Designer e Web Master

01/04/2000 - 01/10/2000
        Gecomp S.A.S. di S.Pietro Incariano (Verona)
        qualifica: Sistemista e analista, sviluppo applicativi in Visual basic.

01/04/2001 - 15/03/2002
        So.Ge.I. Tel S.r.l. a S.Martino B.A. (Verona)
        qualifica: IT Manager, gestione server Novel, manutenzione hardware e software e
          gestione posta interna.

01/04/2002 - 30/06/2006
        Borse di Ricerca presso DMSP- Sez. Psichiatria e Psicologia Clinica a Verona
        qualifica: Tecnico informatico e Sistemista di reti;
01/07/206 - oggi
        Sezione di Psichiatria, Dipartimento di Neuroscienze, Biomedicina e Movimento,
        Università di Verona
        qualifica: Funzionario di Elaborazione dati, sviluppo nuove applicazioni per le tre
        aree di ricerca con le quali collaboro. Strumenti utilizzati, matlab, linux, php,
        javascript.

Aree di Ricerca

1.   Brainimaging e Neuropsicologia

Ruolo: Analisi di immagini di risonanza magnetica Brain Imaging in particolare acquisizioni anatomiche tridimensionali, in diffusione (DWI, DTI, trattografia), in perfusione (PWI), di spettroscopia (MRS) e di attivazione neuronale (fMRI) con tecniche avanzate create ad hoc in laboratorio o utilizzando software freeware e con licenza. Analisi dei dati di valutazione neuropsicologica che permettono lo studio degli endofenotipi cognitivi delle psicosi maggiori, e come tali consentono di investigare il legame tra i network neuroanatomici e funzionali coinvolti in tali funzioni cognitive e i sintomi caratteristici delle psicosi. Supervisione di tutte le attività di laboratorio legate alle analisi dei dati biomedici. Supervisione del lavoro dei tesisti coinvolti nelle attività del laboratorio.

2.   Registro Psichiatrico, Economia e Geografia della Salute Mentale nella Salute Mentale.

Ruolo: DBA manager del Registro Psichiatrico dei Casi attivo a Verona-Sud dal 1978, con utilizzo sia clinico che amministrativo che di ricerca. Gestione nuove utente, estrazione dati per la Regione Veneto, controlli di qualità sui dati inseriti.

3.   Psicofarmacologia Clinica ed Epidemiologia dei Farmaci

Ruolo: Gestione e manutenzione del registro psichiatrico dei Farmaci, argomento della mia tesi di Laurea e sviluppato poi in seguito con costanti modifiche per permettere ai medici di tenere traccia delle prescrizioni terapeutiche dei pazienti in carico al servizio.

Pubblicazioni

h-index (*Scopus*): **15**

A) LAVORI PUBBLICATI SU RIVISTE INTERNAZIONALI

1) Barbui C, Nosè M, **Rambaldelli G**, Bonetto C, Levi D, Patten S. B. & Tansella M. (2005) Development of a registry for monitoring psychotropic drug prescriptions: aims, methods and implications for ordinary practice and research. International Journal of Methods in Psychiatric Research, 14, 151-157.

2) Tournikioti K, Tansella M, Cerini R, Versace A, Andreone N, **Rambaldelli G**, Dusi N, Pelizza L, Barbui, Nosè M, Gasparini A, Perlini C, & Brambilla P. (2007) Normal pituitary volumes in chronic schizophrenia. Psychiatry Research: Neuroimaging, 154, 41-48.

3) Fabene P.F, Farace P, Brambilla P, Andreone N, Cerini R, Pelizza L, Versace A, **Rambaldelli G**, Birbaumer N, Tansella M. & Sbarbati A. (2007) Three-dimensional perfusion maps: a step beyond volumetric analysis in mental disorders. Journal of Anatomy, 210, 122-128.

4) Brambilla P, Cerini R, Fabene P.F, Andreone N, **Rambaldelli G**, Farace P, Versace A, Pelizza L, Gasparini A, Gatti R, Barbui C, Nosè M, Tournikioti K, Sbarbati A. & Tansella M. (2007) Assessment of cerebral blood volume in schizophrenia: a magnetic resonance imaging study. Journal of Psychiatric Research 41, 502-510.

5) Andreone N, Tansella M, Cerini R, Versace A, **Rambaldelli G**, Marrella G, Perlini C, Dusi M, Pelizza L, Barbui C, Nosè M, Gasparini A. & Brambilla P. (2007) Cortical white matter microstructure in schizophrenia. Diffusion imaging study. British Journal of Psychiatry, 191, 113-119.

6) Andreone N, Tansella M, Cerini R, **Rambaldelli G**, Versace A, Marrella G, Perlini C, Dusi N, Polizza L, Balestrieri M, Barbui C, Nosè M, Gasparini A. & Brambilla P. (2007) Cerebral atrophy and cortical white matter disruption in chronic schizophrenia. European Archives of Psychiatry and Clinical Neuroscience, 257, 3-11.

7) Tavano A, Sponda S, Fabbro F, Perlini C, **Rambaldelli G**, Ferro A, Cerruti S, Tansella M, Brambilla P. (2008) Specific linguistic and pragmatic deficits in Italian patients with schizophrenia. Schizophrenia Research. 102, 53-62.

8) Baiano M, Perlini C, **Rambaldelli G**, Cerini R, Dusi N, Bellani M, Spezzapria G, Versace A, Balestrieri M, Pozzi Mucelli R, Tansella M. & Brambilla P. (2008) Decreased entorhinal cortex volumes in schizophrenia. Schizophrenia Research, 102, 171-180.

9) Agarwal N, Bellani M, Perlini C, **Rambaldelli G**, Atzori M, Cerini R, Vecchiato F, Pozzi Mucelli R, Andreone N, Balestrieri M, Tansella, M. &. Brambilla P. (2008) Increased fronto-temporal perfusion in bipolar disorder. Journal of Affective Disorders, 110, 106-114.

10) Agarwal N, **Rambaldelli G**, Perlini C, Dusi N, Kitis O, Bellani M, Cerini R, Versace A, Balestrieri M, Gasparini A, Pozzi Mucelli R, Tansella M. & Brambilla P. (2008) Microstructural thalamic changes in schizophrenia.: A combined anatomical and diffusion weighted MRI study. Journal of Psychiary and Neuroscience, 33, 440-448.

11) Tomelleri L, Jogia J, Perlini C, Bellani M, Ferro A, **Rambaldelli G**, Tansella M, Frangou S. & Brambilla P. (2009) Brain structural changes associated with chronicity and antipsychotic treatment in schizophrenia. Eur Neuropsychopharmacol. 19(12),835-840.

12) Bellani M, Marzi C.A, Savazzi S, Perlini C, Cerruti S, Ferro A, Marinelli V, Sponda S, **Rambaldelli G**, Tansella M, Brambilla P. Laterality effects in schizophrenia and bipolar disorder. Exp Brain Res. 2010 Mar;201(2):339-44.

13) Zoccante L, Viviani A, Ferro A, Cerini R, Cerruti S, **Rambaldelli G**, Bellani M, Dusi N, Pozzi Mucelli R, Tansella M, Dalla Bernardina B. & Brambilla P. (2010) Increased parietal volumes relate to delayed language development in autism: a structural MRI study. Functional Neurology. 25, 217-221

14) Castellani U, Rossato E, Murino V, Bellani M, **Rambaldelli G**, Tansella M. & Brambilla P. (2010) Local Kernel for brain classification in Schizophrenia. Accepted at XI Conference on Italian Association for Artificial Intelligence 2009. LNAI Series, in press.

15) Peruzzo D, Bertoldo A, **Rambaldelli G**, Bellani M, Cerini R. Marini S, Pozzi Mucelli R, Gatti R, Tansella M. & Brambilla P. (2011) The impact of schizophrenia on frontal perfusion parameters: a DSC-MRI study. Journal of Neural Transmission 118, 563-570

16) Mengotti P, D'Agostini S, Terlevic R, De Colle C, Biasizzo E, Londero D, Ferro A, **Rambaldelli G**, Balestrieri M, Zanini S, Fabbro F, Molteni M, Brambilla P. (2011) Altered white matter integrity and development in children with autism: A combined voxel-based morphometry and diffusion imaging study. Brain Res Bull. 84(2):189-95

17) Sala M, Caverzasi E, Lazzaretti M, Morandotti N, De Vidovich G, Marraffini E, Gambini F, Isola M, De Bona M, **Rambaldelli G**, d'Allio G, Barale F, Zappoli F, Brambilla P. (2011) Dorsolateral prefrontal cortex and hippocampus sustain impulsivity and aggressiveness in borderline personality disorder. J Affect Disord 131, 417-421

18) Tomasino B, Bellani M, Perlini C, **Rambaldelli G**, Cerini R, Isola M, Balestrieri M, Calì S, Versace A, Pozzi Mucelli R, Gasparini A, Tansella M. & Brambilla P. (2011) Altered microstructure integrity of the amygdala in schizophrenia: a bimodal MRI and DWI study. Psychological Medicine, 41, 301-311.

19) Bellani M, Peruzzo D, Isola M, **Rambaldelli G**, Perlini C, Baiano M, Cerini R, Andreone N, Barillari M, Pozzi Mucelli R, Balestrieri M, Tansella M, Bertoldo A, Brambilla P. (2011). Cerebellar and lobar blood flow in schizophrenia: A perfusion weighted imaging study. Psychiatry Research: Neuroimaging 193, 46-52

20) Brambilla P, Cerruti S, Bellani M, Perlini C, Ferro A, Marinelli V, Giusto D, Tomelleri L, **Rambaldelli G**, Tansella M, Diwadkar V.A. (2011) Shared impairment in associative learning in schizophrneia and bipolar disorder. Progress in Neuro-Psychopharmacology & Biological Psychiatry 35, 1093-1099

21) Corradi-Dell'Acqua C, Tomelleri L, Bellani M, **Rambaldelli G**, Cerini R, Pozzi-Mucelli R, Balestrieri M, Tansella M. & Brambilla P. (2012) Thalamic-insular dysconnectivity in schizophrenia. Evidence from structural equation modelling. Human Brain Mapping 33, 740-752.

22) Castellani U.. Rossato E, Murino V, Bellani M, **Rambaldelli G**, Perlini C, Tomelleri L, Tansella M. & Brambilla P. (2012) Classification of schizophrenia using feature-based morphometry. Journal of Neural Transmission 119, 395-404.

23) Tosato S, Bellani M, Bonetto C, Ruggeri M, Perlini C, Lasalvia A, Sponda S, **Rambaldelli G**, Cristofalo D,Bertani M.E, Zanoni M, Lazzarotto L, Cerini R, Pozzi Mucelli R, Tansella M, Dazzan P, Di Forti M,Murray R.M, Collier D.A. & Brambilla P. (2012) Is NRG1 involved in determining superior temporal gyrus volumes in schizophrenia? Preliminary results. Neuropsychobiology 65,119-125.

24) Castellani U, Mirtuono P, Murino V, Bellani M, **Rambaldelli G,** Tansella M & Brambilla P. (2011) A new shape diffusion descriptor for brain classification. In: (ed. G. Fichtinger & T. Peters). Medical Image Computing and Computer-Assisted Intervention, MICCAI 2011. Lecture Notes in Computer Science (LNCS), Springer Berlin / Heidelberg, Vol. 14, pp. 426-33.

25) Perlini C, Marini A, Garzitto M, Isola M, Cerruti S, Marinelli V, **Rambaldelli G**, Ferro A, Tomelleri L, Dusi N, Bellani M, Tansella M, Fabbro F, Brambilla P. (2012). Linguistic production and syntactic comprehension in schizophrenia and bipolar disorder. Acta Psychiatr Scand. Acta Psychiatr Scand. 2012 Nov;126(5):363-76

26) Ruggeri M, Bonetto C, Lasalvia A, De Girolamo G, Fioritti A, Rucci P, Santonastaso P, Neri G, Pileggi F, Ghigi D, Miceli M, Scarone S, Cocchi A, Torresani S, Faravelli C, Zimmermann C, Meneghelli A, Cremonese C, Scocco P, Leuci E, Mazzi F, Gennarelli M, Brambilla P, Bissoli S, Bertani ME, Tosato S, De Santi K, Poli S, Cristofalo D, Tansella M; **GET UP GROUP** (2012). A multi-element psychosocial intervention for early psychosis (GET UP PIANO TRIAL) conducted in a catchment area of 10 million inhabitants: study protocol for a pragmatic cluster randomized controlled trial. Trials. 30,13-73.

27) Bellani M, Perlini C, Ferro A, Cerruti S, **Rambaldelli G**, Isola M, Cerini R, Dusi N, Andreone N, Balestrieri M, Pozzi Mucelli R, Tansella M, Brambilla P. (2012). White matter microstructure alterations in bipolar disorder. Funct Neurol. 27(1),29-34.

28) Lasalvia A, Tosato S, Brambilla P, Bertani M, Bonetto C, Cristofalo D, Bissoli S, De Santi K, Lazzarotto L, Zanatta G, Marrella G, Mazzoncini R, Zanoni M, Garzotto N, Dolce C, Nicolau S, Ramon L, Perlini C, **Rambaldelli G**, Bellani M, Tansella M, Ruggeri M; PICOS-Veneto Group (2012). Psychosis Incident Cohort Outcome Study (PICOS). A multisite study of clinical, social and biological characteristics, patterns of care and predictors of outcome in first-episode psychosis. Background, methodology and overview of the patient sample. Epidemiology and Psychiatric Sciences. 21(3), 281-303

29) Tognin S, **Rambaldelli G**, Perlini C, Bellani M, Marinelli V, Zoccatelli G, Alessandrini F, Pizzini FB, Beltramello A, Terlevic R, Tansella M, Balestrieri M, Brambilla P. (2012). Enlarged hypothalamic volumes in schizophrenia. Psychiatry Res. 204(2-3):75-81.

30) Brambilla P, Perlini C, Bellani M, Tomelleri L, Ferro A, Cerruti S, Marinelli V, **Rambaldelli G**, Christodoulou T, Jogia J, Dima D, Tansella M, Balestrieri M, Frangou S. (2013) Increased salience of gains versus decreased associative learning differentiate bipolar disorder from schizophrenia during incentive decision making. Psychol Med. 43(3):571-80.

31) Terlevic R, Isola M, Ragogna M, Meduri M, Canalaz F, Perini L, **Rambaldelli G**, Travan L, Crivellato E, Tognin S, Como G, Zuiani C, Bazzocchi M, Balestrieri M, Brambilla P. (2013). Decreased hypothalamus volumes in generalized anxiety disorder but not in panic disorder. J Affect Disord. 146(3):390-4.

32) Brambilla P, Perlini C, Rajagopalan P, Saharan P, **Rambaldelli G**, Bellani M, Dusi N, Cerini R, Pozzi Mucelli R, Tansella M, Thompson PM.(2013). Schizophrenia severity, social functioning and hippocampal neuroanatomy: three-dimensional mapping study. Br J Psychiatry. 2013 Jan;202(1):50-5

33) Fornasari L, Gregoraci G, Isola M, Laura Negri G.A, **Rambaldelli G**, Cremaschi S, Faleschini L, Canalaz F, Perini L, Balestrieri M, Fabbro F, Brambilla P. (2013). Psychopathological and personality traits underlie decision making in recent onset medication naïve anorexia nervosa: A pilot study. Psychiatry Res. 2014 Apr 30;216(1):89-96

34) Brambilla P, Bellani M, Isola M, Bergami A, Marinelli V, Dusi N, **Rambaldelli G,** Tansella M, Maria Finardi A, Martino G, Perlini C, Furlan R. (2014). Increased M1/decreased M2 signature and signs of Th1/Th2 shift in chronic patients with bipolar disorder, but not in those with schizophrenia. Translational Psychiatry. 2014 Jul 1;4:e406.

35) Classification of first-episode psychosis: a multi-modal multi-feature approach integrating structural and diffusion imaging. Peruzzo D, Castellani U, Perlini C, Bellani M, Marinelli V, **Rambaldelli G**, Lasalvia A, Tosato S, De Santi K, Murino V, Ruggeri M, Brambilla P; PICOS-Veneto Group. J Neural Transm (Vienna). 2015 Jun;122(6):897-905.

36) Squarcina L, Perlini C, Peruzzo D, Castellani U, Marinelli V, Bellani M, **Rambaldelli G**, Lasalvia A, Tosato S, De Santi K, Spagnolli F, Cerini R, Ruggeri M, Brambilla P; PICOS-Veneto Group. The use of dynamic susceptibility contrast (DSC) MRI to automatically classify patients with first episode psychosis. Schizophr Res. 2015 Jun;165(1):38-44.

37) Diwadkar VA, Bellani M, Ahmed R, Dusi N, Rambaldelli G, Perlini C, Marinelli V, Ramaseshan K, Ruggeri M, Bambilla P. Chronological age and its impact on associative learning proficiency and brain structure in middle adulthood. Behav Brain Res. 2016 Jan 15;297:329-37.

38) Squarcina L, Castellani U, Bellani M, Perlini C, Lasalvia A, Dusi N, Bonetto C, Cristofalo D, Tosato S, Rambaldelli G, Alessandrini F, Zoccatelli G, Pozzi-Mucelli R, Lamonaca D, Ceccato E, Pileggi F, Mazzi F, Santonastaso P, Ruggeri M, Brambilla P; GET UP Group. Classification of first-episode psychosis in a large cohort of patients using support vector machine and multiple kernel learning techniques. Neuroimage. 2017 Jan 15;145(Pt B):238-245.

B) LAVORI E RASSEGNE PUBBLICATI/E SU VOLUMI E MONOGRAFIE INTERNAZIONALI

1) Cheng D. S.; Bicego M.; Castellani U, Cerruti S, Bellani M, **Rambaldelli G**, Atzori M. , Brambilla P, Murino V. (2009). Schizophrenia classification using regions of interest in brain MRI , Atti di "Workshop in Intelligent Data Analysis in Biomedicine and Pharmacology (IDAMAP)". Verona, July 2009.

2) Castellani U, Perina A, Murino V, Bellani M, **Rambaldelli G**, Tansella M. &. Brambilla P. (2010) Brain morphometry by probabilistic latent semantic analysis. Medical Image Computing and Computer-Assisted Intervention – MICCAI 2010. Lecture Notes in Computer Science, Volume 13, Issue Pt 2, 2010, Pages 177-184

3) Castellani U, Ulas A, Murino V, Bellani M, **Rambaldelli G**, Tansella M, Brambilla P. (2011) Selecting scales by multiple kernel learning for shape diffusion analysis in Proceedings of the Third International Workshop on Mathematical Foundations of Computational Anatomy - Geometrical and Statistical Methods for Modelling Biological Shape Variability a cura di X. Pennec, S. Joshi, M. Nielsen , Atti di "MICCAI Workshop on Mathematical Foundations of Computational Anatomy (MFCA)" , Toronto - Canada , 22 September 2011 , 2011 , pp. 148-157

4) Castellani U, Mirtuono P, Murino V, Bellani M, **Rambaldelli G**, Tansella M, Brambilla P. (2011) A new shape diffusion descriptor for brain classification. Medical Image Computing and Computer-Assisted Intervention – MICCAI 2011. Lecture Notes in Computer Science, Volume 14, Issue Pt 2, 2011, Pages 426-433.

5) Belussi A, Combi C, Pozzani G, Amaddeo F, **Rambaldelli G**, Salazzari D. (2012). Dealing with multigranular spatio-temporal databases to manage psychiatric epidemiology data. Proceedings - IEEE Symposium on Computer-Based Medical Systems

6) Diwadkar V, Bellani M, Yanos B, **Rambaldelli G**, Perlini C, White R, Tansella M, Brambilla P. Learning proficiency and brain structure: systematic brain-behavior relationships in controls but not in patients with schizophrenia or bipolar disorder 2013

7) Squarcina L, Bellani M, Perlini C, **Rambaldelli G**., Ferro A, Cerruti S, Zoccatelli G, Alessandrini F, Pizzini F, Beltramello A, Tansella M, Brambilla P, Bertoldo A, A tract-based spatial statistics study for investigating white matter fractional anisotropy in bipolar disorder and schizophrenia , Atti di "Terzo Congresso Gruppo Nazionale Bioingegneria (GNB)" , Roma , 26-29 giugno 2012 , 2012 , pp. 1-1

8) Tognin S, **Rambaldelli G**, Bellani M, Perlini C, Marinelli V, Terlevic R, Tansella M, Brambilla P, Increased hypothalamus and mammillary bodies volumes in chronic schizophrenia 2012

9) Squarcina L, Bellani M, Perlini C, **Rambaldelli G**., Marinelli V, Dusi N, Cerini R, Pozzi Mucelli R, Tansella M, Bertoldo A, Brambilla P. Similar white matter changes in schizophrenia and bipolar disorder: a TBSS study in «BIPOLAR DISORDERS» vol. 16 n. suppl 1 Special Issue , Atti di "16th Annual Conference of the International-Society-for-Bipolar-Disorders" , Seoul/ROK , MAR 18-21, 2014 , 2014 , pp. 63 -63

C) LAVORI PUBBLICATI SU RIVISTE NAZIONALI

1) Andreone N, Tansella M, Cerini R, Marrella G, **Rambaldelli G**, Pelizza L, Versace A, Barbui C, Gasparini A. & Brambilla P. (2005). Ricostruzione tridimensionale della volumetria cerebrale nella schizofrenia. Italian Journal of Psychopathology, Supplemento No. 4, pp. 69-73

D) ABSTRACT PUBBLICATI SU RIVISTE SCIENTIFICHE NAZIONALI ED INTERNAZIONALI
9

1) Dusi N, Tansella M, Versace A, Andreone N, **Rambaldelli G**, Perlini C, Cristofalo D, Gasparini A, Barbui C, Nosè M, Cerini R, Brambilla P. The Verona brain imaging study in schizophrenia: an integrated project with epidemiology and social psychiatry. *European Psychiatry* 21, S92, 2006.

2) Dusi N, Tansella M, Versace A, Andreone N, **Rambaldelli G**, Perlini C, Barbui C, Nosè M, Cristofalo D, Gasparini A, Cerini R, Brambilla P. The Verona brain imaging study in schizophrenia: an integrated project with epidemiology and social psychiatry. *European Neuropsychopharmacology* 16, S4, 553, 2006.

3) Bellani M, Tansella M, Perlini C, **Rambaldelli G**, Cerini R, Balestrieri M, Brambilla P. Assessment of cortical lobe perfusion in schizophrenia: a magnetic resonance imaging study. *European Neuropsychopharmacology* 16, S4, 560, 2006.

4) Brambilla P, Bellani M, Tansella M, Perlini C, Cerini R, **Rambaldelli G**, Balestrieri M. Assessment of cortical lobe perfusion in schizophrenia: a magnetic resonance imaging study. *The International Journal of Neuropsychopharmacology* 9, S1, 282, 2006.

5) Atzori M, **Rambaldelli G**, Perlini C, Bellani M, N Dusi, S Sponda, M Tansella, Brambilla P. Automatic segmentation of human brain, grey and white matter in MRI: a robust and accurate algorithm based on the tissues' features analysis. *Proceedings of the International Society for Magnetic Resonance in Medicine,* 2007.

6) Brambilla P, L Bazzani, D Tosato, V Murino, **G Rambaldelli**, C Perlini, M Atzori, M Tansella, U Castellani. A learning by example approach for MRI analysis of human brain in the context of mental health. . *Proceedings of the International Society for Magnetic Resonance in Medicine,* 2007.

7) Bellani M, Perlini C, **Rambaldelli G**, Cerini R, Balestrieri M, Tansella M and Brambilla P. Assessment of brain perfusion in bipolar disorder: a magnetic resonance imaging study. *Bipolar Disorders*, 9, S1, 20, 2007.

8) Baiano M, Bellani M, **Rambaldelli G**, Perlini C, Umit T, Cerini R, Balestrieri M, Tansella M, Brambilla P. Decreased cerebellar blood volume in schizophrenia: a perfusion weighted imaging study. *European Neuropsychopharmacology*, 17, S284, 2007.

9) Bellani M, **Rambaldelli G**, Perlini C, Cerini R, Balestrieri M, Tansella M, Brambilla P. Assessment of Brain Perfusion in Bipolar Disorder: A Magnetic Resonance Imaging Study. *Biological Psychiatry,* 61, S1, 55S, 2007.

10) Baiano M, Savazzi S, Sponda S, Perlini C, **Rambaldelli G**, Bellani M, Tansella M, Marzi CA, Brambilla P. Delay of left hemisphere in processing information in schizophrenia? *European Neuropsychopharmacology* 18, S1, 79, 2008.

11) Perlini C, Sponda S, Tavano A, Fabbro F, Ferro A, Cerruti S, **Rambaldelli G**, Cerini R, Tansella M, Brambilla P. Distinct language dimensions correlate with superior temporal gyrus and Heschl's gyrus in schizophrenia and healthy controls. *European Psychiatry* 23, S2, 188, 2008.

12) Baiano M, Savazzi S, Sponda S, Perlini C, **Rambaldelli G**, Bellani M, Tansella M, Marzi CA, Brambilla P. Delay of left hemisphere in processing information in schizophrenia? *European Psychiatry* 23, S2, 102, 2008.

13) S Tosato, M Bellani, C Bonetto, M Ruggeri, C Perlini, A Lasalvia, S Sponda, **G Rambaldelli**, and others. IS NRG1 INVOLVED IN DETERMINING SUPERIOR TEMPORAL GYRUS VOLUMES IN SCHIZOPHRENIA? Schizophrenia Research, Vol. 102, Issues 1-3, p192 Published in issue: June, 2008

14) Giusto D, Diwadkar V, Cerruti S, Bellani M, Ferro A, Perlini C, **Rambaldelli G**, Tansella M, Brambilla P. Shared impairment in associative learning in schizophrenia and bipolar disorder: Implications for reduced memory capacity and reduced plasticity. *Biological Psychiatry* 65, S, 193S-194S, 2009.

15) Perlini C, Marini A, Fabbro F, Garzitto M, Cerruti S, Marinelli V, **Rambaldelli G**, Ferro A, Tomelleri L, Bellani M, Tansella M, Brambilla P. Linguistic production and comprehension deficits in schizophrenia and bipolar disorder. European Psychiatry 25, S1, 1083, 2010.

16) Tognin S, **Rambaldelli G**, Bellani M, Perlini C, Marinelli V, Terlevic R, Tansella M, Brambilla P. Increased hypothalamus and mammillary bodies volumes in chronic schizophrenia. Schizophrenia Research 136 (1) 2012

17) L Squarcina, C Perlini, D Peruzzo, U Castellani, V Marinelli, M Bellani, **G Rambaldelli**, A Lasalvia, and others. Dynamic susceptibility contrast (DSC) MRI can be useful to automatically classify patients with psychosis, DOI: http://dx.doi.org/10.1016/S0920-9964(14)70167-7 Schizophrenia Research, Vol. 153, S50–S51 Published in issue: April, 2014

E) RELAZIONI O PRESENTAZIONI A CONGRESSI NAZIONALI ED INTERNAZIONALI

1) Dusi N, Tansella M, Versace A, Andreone N, **Rambaldelli G**, Perlini C, Cristofalo D, Gasparini A, Barbui C, Nosè M, Cerini R, Brambilla P. *The Verona brain imaging study in schizophrenia: an integrated project with epidemiology and social psychiatry.* AEP Neuroimaging Section meeting, Utrecht, May 2006.

2) Brambilla P, Bellani M, Perlini C, Cerini R, **Rambaldelli G**, Gasparini A, Gatti R, Balestrieri M, Tansella M. *Assessment of cortical lobe perfusion in schizophrenia: a magnetic resonance imaging study.* Organization of Human Brain Mapping, Florence, Italy, June 2006.

3) Brambilla P, Bellani M, Perlini C, **Rambaldelli G**, Cerini R, Balestrieri M, Tansella M. *Assessment of brain perfusion in bipolar disorder: a magnetic resonance imaging study.* Stanley Meeting, Barcelona, Spain, October 2006.

4) Brambilla P, Bellani M, Perlini C, Cerini R, **Rambaldelli G**, Balestrieri M, Tansella M. *Assessment Of cortical lobe perfusion in schizophrenia and bipolar disorder: a magnetic resonance imaging study.* Society for Neuroscience Meeting, Atlanta, GA, USA, October 2006.

5) Tournikioti K, Tansella M, Perlini C, **Rambaldelli G**, Cerini R, Versace A, Andreone N, Dusi N, Balestrieri M, Malagò R, Gasparini A, Brambilla P. *Normal pituitary volumes in chronic schizophrenia.* Dual Congress of INA (International Neuropsychiatric Association) and WFSBP (World Federation of Societies of Biological Psychiatry), Athens, Greece, December 7-10, 2006.

6) Bellani M, Perlini C, Cerini R, **Rambaldelli G**, Balestrieri M, Tansella M, Brambilla P. *Assessment of brain perfusion in bipolar disorder: a magnetic resonance imaging study.* INNOPSY, Innovazione in psichiatria. Il trattamento delle patologie complesse: aspetti clinico terapeutici della comorbidità, Milan 9-11 May 2007.

7) Brambilla P, Bazzani L, Tosato A, Murino V, **Rambaldelli G**, Perlini C, Atzori M, Tansella M, Castellani U. *A learning by example approach from MRI analysis of human brain in the context of mental health.* ISMRM-ESMRMB, Berlin, 19-25 May 2007.

8) Atzori M, **Rambaldelli G**, Perlini C, Bellani M, Dusi N, Sponda S, Tansella M, Brambilla P. *Automatic segmentation of human brain, gray and white matter in MRI: a robust and accurate algorithm based on the tissues features analysis.* ISMRM-ESMRMB, Berlin, 19-25 May 2007.

9) Baiano M, Perlini C, **Rambaldelli G**, Cerini R, Dusi N, Bellani M, Spezzapria G, Versace A, Balestrieri M, Tansella M, Brambilla P. *Riduzione dei volumi della corteccia entorinale nella schizofrenia.* SIPB (Società Italiana di Psichiatria Biologica), Naples, Italy, 20-22 September 2007.

10) Baiano M, Bellani M, **Rambaldelli G**, Perlini C, Tural U, Cerini R, Balestrieri M, Tansella M, Brambilla P. *Decreased cerebellar blood volume in schizophrenia: a perfusion weighted imaging study.* ECNP Congress, Wien, 13-17 October 2007.

11) Baiano M, Savazzi S, Sponda S, Perlini C, **Rambaldelli G**, Bellani M, Tansella M, Marzi CA, Brambilla P. *Delay of left hemisphere in processing information in schizophrenia?* 14th Winter Workshop on Schizophrenia and Bipolar disorders, Montreux, Swisse, 3-7 February, 2008.

12) Perlini C, Bellani M, **Rambaldelli G**, Dusi N, Sponda S, Cerini R, Pozzi Mucelli R, Tansella M, Brambilla P. *The anatomy of superior temporal gyrus and Heschl's gyrus in Italian patients with schizophrenia.* 14th Winter Workshop on Schizophrenia and Bipolar disorders, Montreux, Swisse, 3-7 February, 2008.

13) Bellani M, **Rambaldelli G**, Cerini R, Perlini C, Balestrieri M, Tansella M, Brambilla P. *Assessment of lobe perfusion in schizophrenia and bipolar disorder: a magnetic resonance imaging study.* XII° SOPSI Congress, Rome, Italy, 19-23 February, 2008.

14) Tosato S, Bellani M, Bonetto C, Ruggeri M, Perlini C, Lasalvia A, Sponda S, **Rambaldelli G**, Cristofalo D, Bertani M, Marrella G, Lazzarotto L, Tansella M, Dazzan P, DiForti M, Murray RM, Collier DA, Brambilla P. *Is NRG1 involved in determining superior temporal gyrus volumes in schizophrenia?* 1st SIRS Conference, Venice, Italy, 21-25 June, 2008.

15) Atzori M, **Rambaldelli G**, Perlini C, Bellani M, Dusi N, Sponda S, Ferro A, Cerruti S, Tansella M and Brambilla P. *Analysis of anatomical structures in MRI, CT and CTA: a robust identification and segmentation method based on anatomical structures features modelling and analysis.* European Society on Magnetic Resonance in Medicine and Biology (ESMRM), Valencia, Spain, 2- 4 October, 2008.

16) Bellani M, Perlini C, Ferro A, Cerruti S, Atzori M, **Rambaldelli G**, Marinelli V, Sponda S, Bertani M, Bissoli S, Lamonaca D, Nicolau S, Santi M, Urbani A, Lasalvia A, Ruggeri M, Tansella M & Brambilla P on behalf of the PICOS-Veneto Group. *The relationship between cognitive and brain structural features of first episode psychotic patients.* The PICOS-Veneto Study. International Federation of Psychiatric Epidemiology (IFPE), Vienna, Austria, 16-19 April 2009.

17) Giusto D, Diwadkar V, Cerruti S, Bellani M, Ferro A, Perlini C, **Rambaldelli G**, Tansella M and Brambilla P. *Shared impairment in associative learning in schizophrenia and bipolar disorder: Implications for reduced memory capacity and reduced plasticity.* 64th Annual Scientific Convention & Meeting of the Society of Biological Psychiatry (SOBP), Vancouver, Canada, 14-16 May 2009.

18) Cerruti S, Bellani M, Perlini C, Ferro A, Marinelli V, Giusto D, Tomelleri L, **Rambaldelli G**, Tansella M, Diwadkar V, Brambilla P. *Shared impairment in associative learning in schizophrenia and bipolar disorder: Implications for reduced memory capacity and reduced plasticity.* IV Giornata Veronese di Informazione Indipendente sugli Psicofarmaci. Verona, 28 Settembre 2009.

19) Dusi N, Cerruti S, Perlini C, Tomelleri L, **Rambaldelli G**, Marinelli V, Giusto D, Ferro A, Bellani M, Tansella M, Brambilla P. *Volumetric and psychosocial variables in schizophrenia: A MRI study.* IV Giornata Veronese di Informazione Indipendente sugli Psicofarmaci. Verona, 28 Settembre 2009.

20) Minuti C, Cerruti S, Dusi N, Perlini C, Tomelleri L, **Rambaldelli G**, Marinelli V, Giusto D, Ferro A, Bellani M, Tansella M, Brambilla P. *Studio dell'anatomia strutturale del giro del cingolo nei pazienti affetti da disturbo bipolare.* IV Giornata Veronese di Informazione Indipendente sugli Psicofarmaci. Verona, 28 Settembre 2009.

21) Ruggeri M, de Girolamo G, Gennarelli M, Brambilla P, Lasalvia A, Neri G, Bocchio L, Perlini C, Bertani M E, Bonetto C, Cristofalo D, Bissoli S, Pileggi F, Rucci P, Fioritti A, Santonastaso P, Giubilini F, Ghigi D, Miceli M, Cocchi A, Meneghelli A, Scarone S, Torresani S per il **Gruppo GET UP**. *La ricerca GET UP e l'impatto sulla cultura dei Servizi.* II Giornata Scientifica Nazionale AIPP. Prevenzione, intervento precoce e trattamento personalizzato: miraggi, speranze ed opportunità. Siena, 20 maggio 2011.

22) Perlini C, Bellani M, **Rambaldelli G**, Ferro A, Marinelli V, Cerruti S, Dusi N, Tomelleri L, Cerini R, Barillari M, Cardobi N, Pozzi Mucelli R, Tansella M, Brambilla P. Psychiatric brain imaging: the experience from the Verona-Udine Inter-University Centre for Behavioural Neurosciences. *STEP 1: The "FIRST" study (Following Imaging Resilience features in Schizophrenia and affecTive disorder).* 2^ Conferenza Aziendale sulla Ricerca su Neuroscienze, Salute Mentale e Psicologia Clinica, Azienda Ospedaliera Universitaria Integrata di Verona. Verona, 23 novembre 2011.

23) Bellani M, Perlini C, **Rambaldelli G**, Cerruti S, Marinelli V, Ferro A, Atzori M, Zoccatelli G, Beltramello A, Marzi C A, Savazzi S, Alessandrini F, Pizzini FB, Dusi N, Tomelleri L, Tansella M, Brambilla P. Psychiatric brain imaging: the experience from the Verona-Udine Inter-University Centre for Behavioural Neurosciences. *STEP 2: The "PREVENT" Study (PREVENTion on psychotic and affective events).* 2^ Conferenza Aziendale sulla Ricerca su Neuroscienze, Salute Mentale e Psicologia Clinica, Azienda Ospedaliera Universitaria Integrata di Verona. Verona, 23 novembre 2011.

24) Perlini C, Marinelli V, Bellani M, **Rambaldelli G**, Atzori M, Ferro A, Cerruti S, Dusi N, Zoccatelli G, Alessandrini F, Pizzini F, Beltramello A, Bertoldo A, Squarcina L, Konze A, Sberna M, Carpeggiani P, Nocetti L, Mazzi F, Artioli S, Baldetti M, Bizzocchi M, Bolzon D, Bonello E, Cacciari G, Carraresi C, Cascio MT, Caselli G, Furlato K, Garlassi S, Gavarini A, Lunardi S, Macchetti F, Marteddu V, Montanari B, Plebiscita G, Poli S, Totaro S, Lasalvia A, de Girolamo G, Neri G, Fioritti F, Giubilini F, Ghigi D, Pileggi F, Santonastaso P, Miceli M, Cocchi A, Scarone S, Torresani S, Tansella M, Ruggeri M, Balestrieri M, Brambilla P. *Multimodal MRI in first psychotic episode patients.* Migliorare il trattamento precoce delle psicosi: l'impatto del Programma Strategico GET UP. Verona, 2-3 marzo 2012.

25) Marinelli V, Perlini C, **Rambaldelli G**, Bellani M, Cerruti S, Ferro A, Dusi N, Artioli S, Baldetti M, Bizzocchi M, Bolzon D, Bonello E, Cacciari G, Carraresi C, Cascio MT, Caselli G, Furlato K, Garlassi S, Gavarini A, Lunardi S, Macchetti F, Marteddu V, Montanari B, Plebiscita G, Poli S, Totaro S, Lasalvia A, de Girolamo G, Neri G, Fioritti F, Giubilini F, Ghigi D, Pileggi F, Santonastaso P, Miceli M, Cocchi A, Scarone S, Torresani S, Tansella M, Ruggeri M, Balestrieri M, Brambilla P. *Neurocognitive profile in first psychotic episode patients.* Migliorare il trattamento precoce delle psicosi: l'impatto del Programma Strategico GET UP. Verona, 2-3 marzo 2012.

26) Squarcina L, Bellani M, Perlini C, **Rambaldelli G**, Marinelli V, Cerruti S, Ferro A, Dusi N, Zoccatelli G, Alessandrini F, Pizzini F, Beltramello A, Tansella M, Bertoldo A, Brambilla P. *Evaluation of white matter alterations in first episode psychosis using diffusion tensor imaging techniques.* Migliorare il trattamento precoce delle psicosi: l'impatto del Programma Strategico GET UP. Verona, 2-3 marzo 2012.

27) Tognin S, **Rambaldelli G**, Bellani M, Perlini C, Marinelli V, Terlevic R, Tansella M, Brambilla P. *Increased hypothalamus and mammillary bodies volumes in chronic schizophrenia.* 3rd SIRS Conference, Florence, Italy, 14-18 April 2012.

28) Squarcina L, Bellani M, Perlini C, **Rambaldelli G**, Ferro A, Cerruti S, Zoccatelli G, Alessandrini F, Pizzini F, Beltramello A, Tansella M, Brambilla P, Bertoldo A. *A tract-based spatial statistics study for investigating white matter fractional anisotropy in bipolar disorder and schizophrenia.* Terzo Congresso Gruppo Nazionale Bioingegneria (GNB), Rome, 26-29 June 2012.

29) Dusi N., Bellani M., Marinelli V., Perlini C, **Rambaldelli G**, TansellaM, Brambilla P. *More severe prefrontal abnormalities in poor outcome (Kraepelinian) schizophrenia.* INNOPSY, Innovazione in psichiatria. Major psychoses: old concepts or new diagnostic, clinical and therapeutic challenges?, Milan, 6-8 May 2013.

30) Diwadkar V, Bellani M, Yanos B, **Rambaldelli G**, Perlini C, White R, Tansella M, Brambilla P. *Learning proficiency and brain structure: systematic brain-behavior relationships in controls but not in patients with schizophrenia or bipolar disorder.* 68th Annual Scientific Meeting of the Society of Biological Psychiatry (SOBP), San Francisco, 16-18 May 2013.

31) Squarcina L, Perlini C, Peruzzo D, Castellani U, Bellani M, Marinelli V, **Rambaldelli G**, Lasalvia A, Tosato S, De Santi K, Murino V, Ruggeri M, Brambilla P, PICOS-Veneto Group. *Dynamic Susceptibility Contrast (DSC) MRI can be useful to automatically classify patients with psychosis.* 4th Schizophrenia International Research Society Conference (SIRS), Florence, Italy, 5-9 April 2014.

32) Cecchetto F, Perlini C, Peruzzo D, Castellani U, Bellani M, Marinelli V, **Rambaldelli G**, Veronese E, Lasalvia A, Tosato S, De Santi K, Ruggeri M, Brambilla P, PICOS-Veneto Group, *Reduced fronto-temporal cortical thickness as a potential neurodevelopmental marker of first-episode psychosis.* 4th Schizophrenia International Research Society Conference (SIRS), Florence, Italy, 5-9 April 2014.

33) Squarcina L, Perlini C, Peruzzo D, Castellani U, Marinelli V, Bellani M, **Rambaldelli G**, Lasalvia A, Tosato S, De Santi K, Cerini R, Pozzi Mucelli R, Ruggeri M, Brambilla P, PICOS-Veneto Group. *Changes in Brain Perfusion Detected with Automatic Classification of First Episode Psychosis,* Human Brain Mapping, Hamburg, Germany, 8-12 June 2014.

34) Squarcina L, Bellani M, Perlini C, **Rambaldelli G**, Marinelli V, Dusi N, Cerini R, Pozzi-Mucelli R, Tansella M, Bertoldo A, Brambilla P. *Similar white matter changes in schizophrenia and bipolar disorder: a TBSS study,* 16th Annual Conference of the International Society of Bipolar Disorders (ISBD), Seoul, South Korea, 18-21 March, 2014.

35) Squarcina L, Bellani M, Perlini C, **Rambaldelli G**, Marinelli V, Dusi N, Cerini R, Pozzi-Mucelli R, Tansella M, Bertoldo A, Brambilla P, *Brain networks changes in schizophrenia and bipolar disorder investigated using TBSS.* 27th European College of Neuropsychopharmacology (ECNP) Congress, Berlin, 18-21 October 2014.

36) Perlini C, Tavano A, Marinelli V, Danzi O, Bellani M, **Rambaldelli G**, Dusi N, Lasalvia A, De Girolamo G, Fioritti A, Santonastaso P, Neri G, Ghigi D, Miceli M, Scarone S, Cocchi A, Torresani S, Ruggeri M, Brambilla P & the GET UP GROUP. *Patterns of pragmatic verbal abilities in subjects with first episode psychosis and matched healthy controls.* 19°Congresso Nazionale della Società Italiana di Psicopatologia (SOPSI), Milan, Italy, 23-26 February 2015.

37) Squarcina L, Bellani M, Perlini C, **Rambaldelli G**, Marinelli V, Dusi N, Cardobi N, Cerini R, Pozzi Mucelli R, Tansella M, Bertoldo A, Bambilla P. *Similarities in changes in white matter diffusion in bipolar disorder and schizophrenia investigated with TBSS,*19°Congresso Nazionale della Società Italiana di Psicopatologia (SOPSI), Milan, Italy, 23-26 February 2015.

38) Squarcina L, Perlini C, Peruzzo D, Castellani U, Marinelli V, Bellani M, **Rambaldelli G**, Lasalvia A, Tosato S, De Santi K, Spagnolli F, Cerini R, Pozzi Mucelli R, Ruggeri M, Brambilla P, PICOS-Veneto Group. *Brain perfusion characterizes first episode of psychosis patients in respect to healthy controls.* 19°Congresso Nazionale della Società Italiana di Psicopatologia (SOPSI), Milan, Italy, 23-26 February 2015.

39) Perlini C, Tavano A, Marinelli V, Danzi O, Bellani M, **Rambaldelli G**, Dusi N, Lasalvia A, De Girolamo G, Fioritti A, Santonastaso P, Neri G, Ghigi D, Miceli M, Scarone S, Cocchi A, Torresani S, Ruggeri M, Brambilla P & the GET UP GROUP. *Patterns of pragmatic verbal abilities in subjects with first episode psychosis and matched healthy controls.* 23rd European Congress of Psychiatry (EPA), Vienna, 28-31marzo 2015.

40) Squarcina L, Perlini C, Peruzzo D, Castellani U, Marinelli V, Bellani M, **Rambaldelli G**, Lasalvia A, Tosato S, De Santi K, Spagnolli F, Cerini R, Ruggeri M, Brambilla P, PICOS-Veneto Group. *Brain perfusion characterizes first episode of psychosis patients in respect to healthy controls.* 23rd European Congress of Psychiatry (EPA), Vienna, 28-31marzo 2015.

41) Brambilla P, Peruzzo D, Castellani U, Perlini C, Bellani M, Marinelli V, **Rambaldelli G**, Lasalvia A, Tosato S, De Santi K, Murino V, Ruggeri M. *Using multimodal MRI data to classify patients with first episode psychosis.* 23rd European Congress of Psychiatry (EPA), Vienna, 28-31marzo 2015.

42) Ferro A, Bonivento C, Perlini C, Dusi N, **Rambaldelli G**, Bellani M, Marinelli V, Crespo-Facorro B, Brambilla P. *The parietal lobe in bipolar disorder: a cross-sectional and longitudinal study using structural MRI.* 55th International Neuropsychiatric Congress, Pula, Croatia, 27-30 May 2015.

43) Brambilla P, Finos L, Tavano A, Marinelli V, Danzi O, Bellani M, **Rambaldelli G**, Dusi N, Lasalvia A, De Girolamo G, Fioritti A, Santonastaso P, Neri G, Ghigi D, Miceli M, Scarone S, Cocchi A, Torresani S, Ruggeri M, Perlini C. & the GET UP GROUP. *Is it possible to discriminate affective and non-affective first episode psychosis based on their pragmatic verbal abilities?* 12nd World Congress of Biological Psychiatry, Athens, Greece, 14-18 June 2015.

44) Squarcina L, Castellani U, Perlini C, Marinelli V, Bellani M, **Rambaldelli G**, Lasalvia A, Ruggeri M, Brambilla P & the PICOS-Veneto Group. *Automatic classification of First Episode Psychosis obtained with gray matter thickness.* 12nd World Congress of Biological Psychiatry (WFSBP), Athens, Greece, 14-18 June 2015.

45) E Maggioni, M Bellani, C Perlini, N Dusi, V Marinelli, **G Rambaldelli**, F Spagnolli, R Pozzi Mucelli, P Brambilla. Graph theoretical analysis of resting state fMRI data. Investigation of differences between bipolar disorder and schizophrenia Date submitted: April 14, 2015 Type of submission: Minisymposia paper