

Dr. Josep M Serra-Grabulosa
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Date of Preparation: February 17, 2014

Work Experience

11/1992 – 06/2003	Dept. of Psychiatry and Clinical Psychobiology University of Barcelona Part time Associate Professor	Barcelona, Spain
01/1997 – 03/2003	Private Clinical Psychology	Barcelona, Spain
06/2003 – Present	Dept. of Psychiatry and Clinical Psychobiology University of Barcelona Professor with Tenure (civil servant)	Barcelona, Spain
02/2005 – Present	Dept. of Psychobiology Universitat Oberta de Catalunya Part time Associate Professor	Barcelona, Spain

Pre and Post Doctoral Training

06/2013 – 09/2013	Pediatric Brain Imaging Laboratory New York State Psychiatric Institute University of Columbia Research Fellow	New York, USA
09/2010 – 12/2010	Fiebach Lab Goethe University, Frankfurt Research Fellow	Frankfurt, Germany
02/2005 – 08/2005	D'Esposito Lab University of California at Berkeley Research Fellow	Berkeley, USA
05/1997 – 07/1997	Inserm, U240 Institut National de la Santé et de la Recherche Medicals Pre-doctoral Research Fellow	Lyon, France

Education

10/2002 – 10/2003	School of Engineering of Barcelona Universitat Politècnica de Catalunya Master's degree in Occupational Health & Safety, October 2003	Barcelona, Spain
01/1993 – 07/1998	University of Barcelona, College of Physicians & Surgeons PhD, July 1998 Chorpheniramine effects on human attention: an ERP study	Barcelona, Spain
09/1987 – 06/1992	University of Barcelona, College of Psychology BA, June 1992	Barcelona, Spain

Professional Organizations and Societies

Catalan Neuropsychological Society
Catalan College of Psychologists

Fellowship and Grant Supports

PAST

- 1993: Effects of the dextro-chlorpheniramine antihistamine on the human attention (Dr. M. Sánchez-Turet, PI)
Funded by the Catalanian Institute of Driving Traffic Safety (Catalonian Government).
Dr. Serra-Grabulosa is directing the ERP acquisition and analysis.
Years: 93-95. Total cost: 12.024€
- 1994 Attention and sensory memory: localisation of cerebral mechanisms (Dr. C. Escera, PI)
Funded by the Spanish Ministry of Education and Science (Identification: DGICYT PB93-0802).
Dr. Serra-Grabulosa is directing the ERP acquisition and analysis.
Years 94-96. Total cost: 22.237,45€
- 1996 Objective evaluation of brain function and dysfunction (Dr. C. Escera, PI)
Funded by the BIOMED-2 (IV Program) of the European Union (Identification: BMH4-CT96-0819).
Dr. Serra-Grabulosa is directing the ERP acquisition and analysis.
Years: 96-98. Total cost: 57.997,67€
- 1997 Neurophysiological mechanisms of auditory perception, by using MMN and P3a ERPs.(Dr. JM Serra-Grabulosa, PI)
Funded by the “Comissionat per a Universitats i Recerca” (Agency of Universities and Research of the Catalan Government).
Years: from May to July of 1997.
- 1997 Cerebral electrophysiologic evaluation of normal and pathological cognitive function (Dr. C. Escera, PI)
Funded by the Spanish Ministry of Education and Science (Identification: UE96-0038).
Dr. Serra-Grabulosa is directing the ERP acquisition and analysis.
Years 97-98. Total cost: 20.825,07€
- 2002 Neuroanatomic and neurofunctional basis of memory disorders in prematurity subjects with antecedents of perinatal asphyxia (Dra. C. Junque, PI)
Funded by the Spanish Ministry of Science and Thecnology (Identification: SAF2002-00836).
Dr. Serra-Grabulosa is directing the anatomical MRI components of this project.
Years 02-05. Total cost: 40.000€
- 2005 Functional connectivity of the hippocampus in non-demented elderly carrying the APOE E4 allele (Dr. JM Serra-Grabulosa, PI)
Funded by the project PR2004-0457 (Ministry of Science and Education of the Spanish Government).The collaboration was established with Dr. Mark d'Esposito.
Years: February to August of 2005.
- 2006 Neuroanatomic and neurofunctional basis of developmental dyscalculia (Dr. Josep M Serra-Grabulosa, PI)
Funded by the Spanish Ministry of Science and Education (Identification: SEJ2005-08704/PSIC).
Years 06-09. Principal investigator: Dr. Josep M Serra-Grabulosa. Total cost: 26.500€
- 2010 Functional basis of developmental dyscalculia
Funded by the “Comissionat per a Universitats i Recerca” (Agency of Universities and Research of the Catalan Government).
Years: from Setptember to december 2010
- 2010 Circadian rhythmicity, cognitive performance and personalyty in patients with dual pathology (Dra. A. Adan, PI)
Funded by the Spanish Ministry of Science and Thecnology (Identification: PSI2009-12300)
Dr. Serra-Grabulosa is directing the neuropsychological evaluation of this project
Years 10-12. Total cost: 22.100€

PRESENT

- 2010 Cognitive and behavioral profile of non verbal learning disorder (NLD), and magnetic resonance imaging evaluation of its neural basis (Dr. X. Caldú, PI)
Funded by the Spanish Ministry of Science and Thecnology (Identification: PSI2009-13386-C02-01).
Dr. Serra-Grabulosa is directing the functional and the anatomical MRI components of this project.
Years 09-12. Total cost: 57.200€

PENDING of FUNDING

MRI and neuropsychological findings in developmental amnesia (Dr. A. Sans, PI)
Pending of funding, Spanish Ministry of Education
Dr. Serra-Grabulosa is directing the functional and the anatomical MRI components of this project.
Total cost: 50.000€

Neuropsychological and MRI profiles of giftedness (Dr. J.M. Serra-Grabulosa, PI)
Pending of funding, Fundació La Caixa
Dr. Serra-Grabulosa is directing the functional and the anatomical MRI components of this project.
Total cost: 25.000€

Cerebral plasticity induced by intensive phonological remediation in children with reading difficulties. A magnetic resonance imaging study. (Dr. J.M. Serra-Grabulosa, PI)
Pending of funding, Spanish Ministry of Education
Dr. Serra-Grabulosa is directing the functional and the anatomical MRI components of this project.
Total cost: 112.500€

Teaching Experience and Responsibility

Courses and Lectures

1. Psychobiology, College of Psychology, University of Barcelona, 1992 – present
2. Physiological Psychology, Universitat Oberta de Catalunya, 2008 – present
3. Sleep Disorders, Master of Clinical Psychology, College of Psychology, University of Barcelona, 2007-present
4. Child Neuropsychology, Master of Clinical Psychology, College of Psychology, University of Barcelona, 2007-present
5. Neuroimaging analysis, Master of Neuroscience, College of Physicians & Surgeons, University of Barcelona, 2007-present

Thesis Advisor to Students of Clinical Psychology Master

1. M^a Dolores Ruiz, Universitat de Barcelona, 2011
2. Roser Colome, Universitat Autònoma de Barcelona, 2011
3. María Cerviño, University of Barcelona, 2012
4. Jordina Tor, University of Barcelona, 2012
5. Manel Bartés Serrallonga, Universitat de Vic, 2012
6. Bet Ristol Orriols, Universitat Autònoma de Barcelona, 2013

Publications

(* indicates first or senior author)

Peer-Reviewed Articles

1. *Serra, J.M., Escera, C., Sánchez-Turet, M., Sánchez-Sastre, J. & Grau, C. The H1-receptor antagonist chlorpheniramine decreases the ending phase of the mismatch negativity of the human auditory event-related potentials. *Neuroscience Letters*, 1996; 203: 77-80.
2. *Alho, K., Escera, C., Díaz, R., Yago, E. & Serra, J.M. Effects of involuntary auditory attention on visual task performance and brain activity. *Neuroreport*, 1997;8(15):3233-3237.
3. *Serra-Grabulosa, J.M., Grau, C., Escera, C. & Sánchez-Turet, M. The H1-receptor antagonist dextro-Chlorpheniramine impairs selective auditory attention in the absence of subjective awareness of this impairment. *Journal of Clinical Psychopharmacology*, 2001;21:599-602.
4. *Verger, K., Serra-Grabulosa, J.M., Junqué, C., Alvarez, A., Bartrés-Faz, D. & Mercader, J.M. Study of

the long term sequelae of traumatic brain injury: evaluation of declarative and procedural memory, and its neuroanatomic substrate. *Revista de Neurología*, 2001;33:30-34.

5. Bartrés-Faz, D., Junque, C., Clemente, I.C., Serra-Grabulosa, J.M., Guardia, J., López-Alomar, A., Sánchez-Aldeguer, J., Mercader, J.M., Bargalló, N., Olondo, M. & Moral, P. MRI and genetics correlates of cognitive function in elder with memory impairment. *Neurobiology of Aging*, 2001;22:449-459.
6. *Serra-Grabulosa, J.M., Sánchez-Turet, M. & Grau, C. The secondary effects of the antihistamine chlorpheniramine on the central nervous system. *Revista de Neurología*, 2002;34:1178-1182.
7. *Sánchez-Turet, M. & Serra-Grabulosa, J.M. Auditory evoked potentials and alcohol: characteristics of the mismatch negativity component in alcoholism. *Revista de Neurología*, 2002;35(11):1049-1055.
8. Bartrés-Faz, D., Junque, C., Serra-Grabulosa, J.M., López-Alomar, A., Moya, A., Bargalló, N., Mercader, J.M., Moral, P. & Clemente, I.C. Dopamine DRD2 Taq I polymorphism associates with caudate nucleus volume and cognitive performance in memory impaired subjects. *Neuroreport*, 2002;13:1121-1125.
9. *Serra-Grabulosa, J.M., Sánchez-Turet, M., Grau, C. & Escera, C. The potential P300 in the evaluation of the side effects of dexchlorpheniramine. *Revista de Neurología*, 2002;35:306-310.
10. Mañeru, C., Junqué, C., Salgado-Pineda, P., Serra-Grabulosa, J.M., Bartrés-Faz, D., Ramirez-Ruiz, B., Bargalló, N., Tallada, M. & Botet, F. Corpus callosum atrophy in adolescents with antecedents of moderate perinatal asphyxia. *Brain Injury*, 2003;17:1003-1009.
11. Narberhaus, A., Segarra, M.D., Verger, K., Serra-Grabulosa, J.M., Salgado-Pineda, P., Bartomeus, F. & Mercader, J.M. (2003). Evaluation of diffuse cerebral atrophy in patients with a history of traumatic brain injury and its relation to cognitive deterioration. *Revista de Neurología*, 36, 925-929.
12. Massana, G., Serra-Grabulosa, J.M., Salgado-Pineda, P., Gastó, C., Junqué, C., Massana, J., Mercader, J.M., Gómez, B., Tobeña, A & Salamero, M. Amygdalar atrophy in panic disorder subjects detected by volumetric magnetic resonance imaging. *Neuroimage*, 2003;19:80-90.
13. *Yago, E., Escera, C., Alho, K., Giard, M.H. & Serra-Grabulosa, J.M. Spatiotemporal dynamics of the auditory novelty-P3 event-related brain potential. *Cognitive Brain Research*, 2003;16:383-390.
14. Massana, G., Serra-Grabulosa, J.M., Salgado-Pineda, P., Gastó, C., Junqué, C., Massana, J. & Mercader, J.M. Parahippocampal gray matter decrease in panic disorder: a voxel-based morphometric study. *American Journal of Psychiatry*, 2003;160:566-568.
15. *Serra-Grabulosa, J.M., Salgado-Pineda, P., Junqué, C., Solé-Padullés, C., Moral, P., López-Alomar, A., López, T., López-Guillén, A., Bargalló, N., Mercader, J.M., Clemente, I.C. & Bartrés-Faz, D. Apolipoproteins E and C1 and brain morphology in memory impaired elders. *Neurogenetics*, 2003;4:141-146.
16. Mañeru, C., Serra-Grabulosa, J.M., Junqué, C., Salgado-Pineda, P., Bargalló, N., Olondo, M., Botet-Mussons, F., Tallada, M. & Mercader, J.M. Residual hippocampal atrophy in asphyxiated term neonates. *Journal of Neuroimaging*, 2003;13:68-74.
17. Ariza-González, M.; Pueyo, R.; Serra-Grabulosa, J.M. Secuelas neuropsicológicas de los traumatismos craneoencefálicos. *Anales de Psicología*, 2004;20:303-316.
18. *Serra-Grabulosa, J.M., Junque, C., Verger, K., Salgado-Pineda, P., Mañeru, C., Mercader, J.M. Cerebral correlates of declarative memory dysfunctions in early traumatic brain injury. *Journal of Neurology Neurosurgery and Psychiatry*, 2005;76(1):129-131.
19. *Ariza, M., Serra-Grabulosa, J.M., Junqué, C., Ramírez, B., Mataró, M., Poca, A., Bargalló, N., Sahuquillo, J. Hippocampal head atrophy after traumatic brain injury. *Neuropsychologia*, 2006;44(10):1956-1961.
20. Caldú X, Vendrell P, Bartrés-Faz D, Clemente I, Bargalló N, Jurado MA, Serra-Grabulosa JM, Junqué C. Impact of the COMT Val108/158 Met and DAT genotypes on prefrontal function in healthy subjects. *Neuroimage*. 2007;37(4):1437-1444
21. *Bartrés-Faz D, Serra-Grabulosa JM, Sun FT, Solé-Padullés C, Rami L, Molinuevo JL, Bosch B, Mercader JM, Bargalló N, Falcón C, Vendrell P, Junqué C, D'Esposito M. Functional connectivity of the hippocampus in elderly with mild memory dysfunction carrying the APOE epsilon4 allele. *Neurobiol Aging*. 2008;29(11):1644-1653.
22. *Serra-Grabulosa JM, Adan A, Pérez-Pàmies M, Lachica J, Membrives S. Neural bases of numerical processing and calculation. *Rev Neurol*. 2010;50(1):39-46.
23. *Adan A, Serra-Grabulosa JM. Effects of caffeine and glucose, alone and combined, on cognitive performance. *Hum Psychopharmacol*. 2010;25(4):310-317.
24. *Serra-Grabulosa JM, Adan A, Falcón C, Bargalló N. Glucose and caffeine effects on sustained attention: an exploratory fMRI study. *Hum Psychopharmacol*. 2010;25(7-8):543-552.
25. Benaiges I, Serra-Grabulosa JM, Adan A. Neuropsychological functioning and age-related changes in schizophrenia and/or cocaine dependence. *Prog Neuropsychopharmacol Biol Psychiatry*. 2013;40:298-305.

26. Benaiges I, Serra-Grabulosa JM, Prat G, Adan A. Executive functioning in individuals with schizophrenia and/or cocaine dependence. *Hum Psychopharmacol*. 2013;28(1):29-39.
27. *Bartés-Serrallonga M, Adán A, Solé-Casals J, Caldú X, Falcón C, Pérez-Pàmies M, Bargalló N, Serra-Grabulosa JM. Cerebral networks of sustained attention and working memory: a functional magnetic resonance imaging study based on the Continuous Performance Test. *Rev Neurol* (in press)

Submitted Peer-Reviewed Articles

1. *White matter alteration in nonverbal learning disability syndrome. Caldú X, Fernández-Andújar M, Ristol B, Colomé R, López-Sala A, Boix C, Sans A, Serra-Grabulosa JM. Submitted.
2. *Sans A, Dacosta R, Colomé R, López-Sala A, Boix C, Caldú X, Serra-Grabulosa JM. Selective hippocampal damage in developmental amnesia: a VBM study. Submitted.

Chapters & Books

1. *Serra-Grabulosa, J.M. Representación numérica. En Redolar D (ed.), *Neurociencia cognitiva*. Madrid: Editorial médica Panamericana, 2013. ISBN: [978-84-9835-408-9](#).
2. *Serra-Grabulosa, J.M. La discalculia. En Andreu-Barrachina, LI (ed.), *Les dificultats de l'aprenentatge de l'escriptura i de les matemàtiques*. Barcelona: Editorial UOC, SL, 2013. ISBN: [978-84-9029-908-1](#)

Conference contributions

1. Escera, C.; Serra, JM.; Noguera, J.; Cilveti, R.; Grau, C. Fluctuations in P300 amplitude over a six hours span. III European Congress of Psychology. Tampere (FINLAND), 1992
2. Escera, C.; Cilveti, R.; Serra, J.M.; Noquera, J.; Grau, C. Variaciones diurnas en N1, asociadas a rendimiento y somnolencia subjetiva. 30 Reunión Anual de la Sociedad Española de Neurofisiología Clínica. Barcelona (SPAIN), 1992
3. Escera, C.; Cilveti, R.; Noguera, J.; Serra, J.M.; Grau, C. Short rhythms in P300 amplitude. 25th Annual Meeting of the European Brain and Behavioral Society. Madrid (SPAIN), 1993
4. Escera, C.; Serra, J.M.; Grau, C. Ultradian rhythms in the N1 auditory evoked potential. I Congress of the European Federation of Psychophysiology Societies, Barcelona (SPAIN), 1994
5. Grau C., Cadaveira F., Ferrer R., Corominas M., Díaz R., Polo M.D. Rodríguez M.S., Serra JM., Escera C. & Sánchez-Turet M. Recovery of evoked potentials Alterations in Abstinent Alcoholics: Effects of age. I Congress of The European Congress of Psychophysiology Societies. Barcelona (SPAIN), 1994
6. Díaz, R.; Polo, M.A.; Grau, C.; Rodamilans. M.; Escera, C.; Serra, J.M.; Sánchez-Sastre, J.; Sánchez-Turet, M. Effects of alcohol on response election time on driving. 23rd International Congress of Applied Psychology. Madrid (SPAIN), 1994
7. Pons, J.; Serra, J.M.; Escera, C.; Grau, C. Aplicación de técnicas de caos determinista al estudio del EEG. 2ª Reunión de la Sociedad Española de Psicofisiología cognitiva. Barcelona (SPAIN), 1994
8. Serra, J.M.; Escera, C.; Sánchez-Turet, M.; Sánchez Sastre, J.; Grau, C. Effects of the H1-receptor antagonist chlorpheniramine on the mismatch negativity (MMN). 8th World Congress of IOP (International Organization of Psychophysiology). Tampere (FINLAND), 1996
9. Escera, C.; Serra, J.M.; Torras, E.; Povedano, A.; Grau, C. Short-term replicability of the mismatch negativity. 8th World Congress of the International Organization of Psychophysiology. Tampere (FINLAND), 1996
10. Polo, M.D.; Escera, C.; Gual, A.; Serra, M.J.; Díaz, R.; Grau, C. Mismatch negativity in chronic alcoholics: preliminary results. 8th World Congress of the International Organization of Psychophysiology. Tampere (FINLAND), 1996
11. Serra, J.M.; Yago, E.; Giard, M.H.; Alho, K.; Escera, C. Contribución frontal bilateral al Potencial de Disparidad (MMN) y su implicación en la atención involuntaria, I Reunión Científica sobre Atención, Madrid (SPAIN), 1997
12. Grau, C.; Yago, E.; Polo, M.D.; Serra, J.M.; Escera, C. A new faster Mismatch Negativity paradigm for auditory sensory memory evaluation, 9th World Congress of Psychophysiology, Taormina (ITALY), 1998
13. Serra, J.M.; Escera, C.; Giard, M.H.; Yago, E.; Alho, K. Bilateral contribution from frontal lobes to MMN, 9th World Congress of Psychophysiology, Taormina (ITALY), 1998

14. Polo, M.D.; Yago, E.; Grau, C.; Alho, K.; Gual, A.; Serra, J.M.; Escera, C. Electrophysiological and behavioral evidence of paradoxical distractibility in chronic alcoholism, 9th World Congress of Psychophysiology, Taormina (ITALY), 1998
15. Serra, J.M.; Grau, C.; Escera, C.; Sánchez-Turet, M. Auditory selective attention impairment after a 4-MG single dose of dextropheniramine in the absence of awareness. 9th World Congress of International Journal of Psychophysiology. Taormina (ITALY), 1998
16. Serra, JM. Efectes de la dextro-clorfeniramina sobre l'atenció auditiva humana, IV Reunión de la Sociedad Española de Psicofisiología, Palma de Mallorca (SPAIN), 1998
17. Verger, K.; Álvarez, A.; Serra, JM.; Bartrés-Faz, D.; Mercader, JM.; Junqué, C. Hippocampus volume atrophy in adolescents with severe traumatic brain injury and its relationship with memory impairment. International Neuropsychological Society/JINS, UNITED STATES, 2000
18. Yago, E.; Alho, K.; Giard, M.H.; Serra-Grabulosa, J.M.; Escera, C. Temporal pattern of brain activations underlying novelty processing: a scalp-current density (SCD) approach. Berlin Neuroscience Forum, Liebenwalde (GERMANY), 2001
19. Narberhaus, A.; Segarra, M.D.; Verger, K.; Serra-Grabulosa, J.M.; Salgado-Pineda, P.; Bartomeus, F.; Mercader, J.M. Corpus callosum surface and cognitive sequelae in paediatric closed head injury. Joint Meeting of the International Neuropsychological Society and German Neuropsychological Society, The Journal of the International Neuropsychological Society (JINS) 2003, 9(4):503-590. Berlin (GERMANY), 2003
20. Massana, G.; Serra-Grabulosa, J.M.; Salgado-Pineda, P.; Gastó, C.; Junqué, C.; Massana, J.; Mercader, J.M. Parahippocampal Gray Matter Decrease in Panic disorder: A Voxel-Based Morphometric Study. 156th APA Annual Meeting. American Psychiatric Association, San Francisco (UNITED STATES), 2003
21. Massana, G.; Serra-Grabulosa, J.M.; Salgado-Pineda, P.; Gastó, C.; Junqué, C.; Massana, J.; Mercader, J.M.; Gómez, B.; Tobeña, A.; Salamero, M. Reduced Amygdalar Volume in Panic Disorder: A Volumetric Magnetic Resonance Study, 156th APA Annual Meeting. American Psychiatric Association, San Francisco (UNITED STATES), 2003
22. Bartrés-Faz, D.; Serra-Grabulosa, J.M.; Sun, F.T.; Solé-Padullés, C.; Rami, L.; Molinuevo, J.L.; Bosch, B.; Mercader, J.M.; Bargalló, N.; Moya, A.; Junqué, C.; D'Esposito, M. Functional connectivity of the hippocampus in elders with memory dysfunction carrying the APOE E4 allele, 12th Annual Meeting of the Organization for Human Brain Mapping in Florence, Italy, 2006
23. Membrives, S.; Serra-Grabulosa, J.M.; Vendrell, P.; Bartrés-Faz, D.; Jurado, M.A.; Clemente, I.; Bargalló, N.; Junqué, C. Relationship between anterior cingulate gray matter density and arithmetic performance: a VBM study, 2007 Mid-year Meeting of the International Neuropsychological Society, Bilbao (SPAIN), 2007
24. Lachica, J.; Serra-Grabulosa, J.M.; Adan, A. Efectos en el rendimiento cognitivo de la administración de glucosa y cafeína, XI Congreso Nacional de la Sociedad Española de Nutrición, Sitges (SPAIN), 2009
25. Serra-Grabulosa, J.M.; Adan, A.; Falcon, N.; Bargallo, N.; Solé-Casals, J. Cerebral correlates of the continuous performance test-identical pairs version: an fMRI study. Special Session on Neural Signals of Brain Disorders BIOSIGNALS 2010 – Third International Conference on Bio-inspired Systems and Signal Processing, Proceedings of the Third International Conference on Bio-inspired Systems and Signal Processing, pages 491-496 DOI: 10.5220/0002758604910496. València (SPAIN), 2010
26. Serra-Grabulosa, J.M.; Adan, A.; Falcón, C.; Bargalló, N. Combined glucose and caffeine effects on neural activity: an fMRI study. 16th Annual Meeting of the Organization for Human Brain Mapping. Barcelona (SPAIN), 2010
27. Bartés-Serrallonga, M.; Solé-Casals, J.; Adan, A.; Falcón, C.; Bargalló, N.; Serra-Grabulosa, J.M. Statistical Analysis of functional fMRI data using independent component analysis. Barcelona (SPAIN), 2011
28. Ristol, B.; Colome, R.; Caldú, X.; Serra-Grabulosa, J.M.; Lopez-Sala, A.; Boix, C.; Sans, A. Perfil neuropsicológico en el WISC-IV en niños con trastorno del aprendizaje no verbal (TANV) y síndrome de Asperger (SA), IV Congreso Nacional de Neuropsicología, Valencia (SPAIN), 2011
29. Bartrés-Serrallonga, M.; Solé-Canals, J.; Adan, A.; Falcón, C.; Bargalló, N.; Serra-Grabulosa, J.M. Statistical analysis of functional MRI data using independent component analysis, International Conference on Neural computation. Theory and Applications. París (FRANCE), 2011
30. Segura, B.; Caldú, X.; Sala-Llonch, R.; Vendrell, P.; Bartrés-Faz, D.; Clemente, I.; Bargalló, N.; Jurado, M.A.; Serra-Grabulosa, J.M.; Junqué, C. Effects of COMT and DAT Genotypes on Brain Activation Related to Emotional Processing, 2012 Mid-year Meeting of the International Neuropsychological Society, Oslo (NORWAY), 2012
31. Caldú, X.; Serra-Grabulosa, J.M.; Ristol, B.; Colomé, R.; López-Sala, A.; Boix, C.; Ruiz, M.D.; Sans, A. Brain activation in NVLD children during a mental rotation task. 18th Annual Meeting of the Organization for Human Brain Mapping, Beijing (CHINA), 2012

32. Ristol, B.; Colomé, R.; Caldú, X.; Serra-Grabulosa, J.M.; López-Sala, A.; Boix, C.; Ruiz, C.; Calderón, E.; Sans, A. Neuropsychological profile in children with nonverbal learning disorder (NLD) and Asperger's syndrome, International Neuropsychological Society Mid-Year Meeting 2012, Oslo (NORWAY), 2012
33. Bartés-Serrallonga, M.; Serra-Grabulosa, J.M.; Solé-Casals, J.; Adan, A.; Falcón, C.; Caldú, C.; Bargalló, N. Sustained attention and working memory networks revealed by a CPT task. International Neuropsychological Society Mid-Year Meeting 2012, Oslo (NORWAY), 2012
34. Serra-Grabulosa, J.M.; Caldú, X.; Pérez-Pàmies, M.; Siddi, S.; Tor, J.; Adan, A.; Andrés-Perpiñá, S.; Castro-Fornieles, J.; Colomé, R.; López-Sala, R.; Boix, C.; Sanguinetti, A.; Sans, A. Neuropsychological profiles of mathematical difficulties, International Neuropsychological Society Mid-Year Meeting 2012. Oslo (NORWAY), 2012
35. Serra-Grabulosa, J.M.; Caldú, X.; Ariza, M.; Sagado-Pineda, P.; Verger, K.; Mercader, J.M. Long-term white and gray matter damage in early TBI, International Neuropsychological Society Mid-Year Meeting 2012. Oslo (NORWAY), 2012
36. Adan, A.; Benaiges, I.; Serra-Grabulosa, J.M.; Prat, G. Relación entre funcionamiento ejecutivo e intentos de suicidio en pacientes con patología dual, XXXIX Jornadas Nacionales Socidrogalcohol – WPA Sponsored Thematic Meeting Addiction Psychiatry. Tarragona (SPAIN), 2012
37. Serra-Grabulosa, J.M.; Roijals-Miras, I.J.; Adan, A.; Andrés-Perpiñá, S.; Falcón, C.; Pérez-Pàmies, M.; Sanguinetti, A.; et al. Brain volume reduction associated with dyscalculia and with comorbid dyslexia: A DARTEL study. 19th Annual Meeting of the Organization for Human Brain Mapping. Seattle (UNITED STATES) 2013.