

CURRICULUM VITAE ET STUDIORUM

Prof. Dr. Demis Basso

Born in April the 1st, 1975, in Camposampiero (PD, Italy).

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Current position:

- Associate Professor, s.s.d. M-PSI/01 (Psicologia Generale - General Psychology), Faculty of Education, Free University of Bozen-Bolzano;
- vice-President and founding member of the Centro di Neuroscienze Cognitive Applicate (Center of Applied Cognitive Neurosciences).

Past career:

- University researcher, s.s.d. M-PSI/01 (Psicologia Generale - General Psychology), Faculty of Education, Free University of Bozen-Bolzano, Italy (October 2010 – December 2014);
- Ad-hoc project collaboration with the Department of Psychology, University of Pavia, (Italy) on the project: “Consulenza per la costruzione di programma per la gestione di test cognitivi e parallela stimolazione TMS, collaborazione all’analisi dei dati e alle elaborazioni statistiche relative” (August – September 2010);
- Post-doctoral fellow at the Department of General Psychology, University of Padua (Italy) on the project: “NeuroMarketing: Tecniche di NeuroScienze al servizio delle aziende” (May – July 2010);
- Post-doctoral fellow at the Department of General Psychology, University of Padua (Italy) on the project: “Uno studio con stimolazione magnetica transcranica rTMS dell’effetto Simon e dell’effetto SNARC” (February 2008 – January 2010);
- Post-doctoral fellow at the Department of Experimental Pathology, Medical Biotechnologies, Infectivology and Epidemiology, University of Pisa (Italy), on the project: “Metodologie di studio delle attività metabolico-funzionali della corteccia cerebrale in relazione all’elaborazione di stimoli spaziali visivi e tattili nell’uomo” (July 2005 – June 2007);
- Visiting PhD student at the Institute of Medical Psychology and Behavioural Neurobiology, Eberhard Karls University of Tübingen, Germany (October 2002 – June 2003, and January – May 2004);
- PhD student in Cognitive Psychology at ECONA, Faculty of Psychology I, University of Rome “La Sapienza” (November 2001– October 2004);
- Psychological training at the University of Padua, Italy: in the clinical area at CSN (=Neuropsychological Counselling and Supervision Laboratory), Liripac (=Applied Research and Clinical Psychology Laboratories); in experimental area at the Department of General Psychology (September 1999 – July 2000).

Collaborations:

- 2012-present** – Collaboration with Prof. Dr. Claus-Christian Carbon, Department of General Psychology and Methodology (University of Bamberg); research on spatial cognition related to sociocultural indicators;
- 2003-present** – Collaboration with the Department of Psychology, University of Pavia, Italy; didactical activity and research on numbers and movement, prospective and working memory;
- 2001-present** – Collaboration with the Department of General Psychology, University of Padua, Italy; didactical activity and research on several issues of experimental and clinical neuropsychology;
- 2005-2012** – Collaboration with the IRCSS San Giovanni di Dio - Fatebenefratelli, Brescia, Italy;
- 2005-2011** – Collaboration with the Laboratory of Clinical Biochemistry and Molecular Biology, University of Pisa: research on supramodal visuo-tactile cerebral areas on sighted and blind subjects;
- 2005-2008** – Collaboration with the CIRID – Interathenaem Center for Research on Disabilities and Technologies for Autonomy, Valmontone (RM), Italy;
- 2002-2008** – Collaboration with the Cognitive Science and Psychology Laboratory, Faculty of Psychology I, University of Rome “Sapienza”, Italy; didactical activity and research on spatial planning and navigation, human factors, fMRI data analysis methods;

1999-2001 – Collaboration with the Rehabilitation Unit at the “S. Bortolo” Hospital, Vicenza, Italy, as expert in executive functions.

Ph.D. dissertation:

Ph.D. in Cognitive Psychology discussed in Rome, April, 19th, 2005 with the dissertation: *Involvement of the prefrontal cortex in visuo-spatial planning*, supervisor: Prof. M. Olivetti Belardinelli, Faculty of Psychology 1, University of Rome “Sapienza”, Italy. URL: <http://padis.uniroma1.it/bitstream/10805/740/1/BassoDemis127.pdf>

Master degree:

Master degree in General and Experimental Psychology in Padua in July 1999 with vote 107/110. Title: *Studio sulla pianificazione umana tramite una simulazione del dilemma del commesso viaggiatore (=Study on human planning by means of a simulation of the traveling salesperson problem)*, tutored by Prof. P. S. Bisiacchi, Department of General Psychology, University of Padua, Italy.

Teaching activity

Fields of didactical activity: General Psychology, Cognitive Psychology, Psychology of Communication, Neurosciences.

University lectures:

- For the Faculty of Education, Free University of Bozen-Bolzano, I held the following courses:
 - General psychology (30 hours, Bachelor in Social Education, since Academic Year 2013-14),
 - Psicologia generale (30 hours, Bachelor in Social Work, since AY 2015-16),
 - Psychology of communication (45 hours, Bachelor in Communication and culture, since AY 2012-13),
 - Neuropsichiatria infantile (30 hours, Master in Education, since AY 2015-16),
 - Differenze, difficoltà e disturbi dell'apprendimento (15 hours, Master in Education, since AY 2015-16).
- Past courses:
 - Psicologia Clinica (=Clinical Psychology): from AY 2010-11 to 2012-13;
 - Diagnostica funzionale dei processi di apprendimento (=Functional diagnosis of learning processes): from AY 2010-11 to 2013-14.
- Supervision of several Ph.D. and graduate students of Universities of Bozen, Padua, Pavia and “Sapienza” of Rome.
- In the past, I held the following courses (at the Faculty of Education, Free University of Bozen-Bolzano, Master in Education): Psicologia generale (=General Psychology, 30 hours, AY 2010-11), Psicologia clinica (=Clinical Psychology, 30 hours, from AY 2010-11 to 2012-13), Diagnostica funzionale e dei processi di apprendimento (=Functional diagnosis of learning processes, 30 hours, from AY 2010-11 to 2013-14), Metodologia di ricerca (=Research Methodology, 15 hours, AY. 2011-2012);
- Coordination of the module “Psychopharmakologie für Nichtmediziner (=Psychopharmacology for non-physicians)” and guided the course “*Biologische Grundlagen der Psychopharmakologie (=Biological basis of Psychopharmacology)*” (12 hours) for the Master 2nd level in Psychosocial Health for Children and Adolescents organized by Free University of Bozen & EOS association, Bozen, Italy (AY 2013-14).
- AY 2008-09, second semester – the course “*Utilizzo della stimolazione magnetica transcranica (TMS) nella misurazione dell'attività cerebrale (=Use of transcranial magnetic stimulation for measuring cerebral activity)*” (30 hours) within the project “Raccolta e analisi dati nelle neuroscienze (=Data Collection and analysis)”, selected by the Programma Operativo FSE 2007-13 (Regione Veneto), granted by the European Social Fund. The same course was repeated in the AY 2009-10, second semester.
- AY 2004-05, first semester – laboratory activity (30 hours): “*Ergonomia, Usabilità e Accessibilità (=Human Factors, Usability and Accessibility)*” at the Faculty of Psychology 1, University of Rome “Sapienza”.

University seminars:

- AY 2009-10, second semester – 1 lesson (3 hours) on “*Transcranial Magnetic Stimulation (TMS): Principles & Applications in Psychobiology*”, for the regular course in “Trends in Cognition” held by Professor M. Zorzi, Faculty of Psychology, University of Padua, Italy.
- AY 2008-09, second semester – 1 lesson (2 hours) on “*Transcranial Magnetic Stimulation*” for the regular course in “Psicologia della Riabilitazione (Psychology of Rehabilitation)”, Faculty of Psychology, University of Padua, Italy.
- For the Department of General Psychology (University of Padua, Italy), I guided the CAR (Advanced Courses for Research): “*Corso per l'utilizzo della TMS nella ricerca psicologica (=Course for the use of TMS in psychological research)*” in the a.y. 2007-08 (2 times: 20 and 30 hours) and 2010-11 (20 hours).

- AY 2006-07, second semester – 2-days seminar “*Minicorso pratico per l’uso della tecnica di Stimolazione Magnetica Transcranica (=Practical course for the use of the Transcranial Magnetic Stimulation technique)*” at the TMS laboratory of the Department of Psychology, University of Pavia, Italy.
- AY 2006-07, first semester – seminar: *Memoria Prospettica (=Prospective Memory)*” for the students of the “*Psicologia dell’apprendimento (=Psychology of learning)*” course held by Professor P. Palladino, Department of Psychology, University of Pavia, Italy.
- AY 2004-05 – with Dr. Rosa Vocaturo 2 modules (4 hours): “*Le artiterapie ed i disturbi e le patologie dell’apprendimento (Art-therapies and learning diseases)*”, within the Master 2nd level in Art-therapies (LUMSA University, Rome, Italy).
- AY 2004-05, second semester – internal seminar: “*Tecniche sperimentali di ricerca (=Experimental research techniques)*” for the students of the “*Psicologia Cognitiva (=Cognitive Psychology)*” course held by Professor M. Olivetti Belardinelli, Faculty of Psychology 1, University of Rome “Sapienza”, Italy.
- AY 2004-05, first semester – 2 lessons (4 hours): “*Ergonomia e interazione uomo-macchina (=Human Factors and Human-Computer Interaction)*” for the course of “*Psicotecnologie dell’apprendimento (=Psychotechnologies of learning)*” held by Professor S. Federici at the Faculty of Psychology 1, University of Rome “Sapienza”.
- AY 2003-04, second semester – seminars: “*Tecniche di analisi di dati fMRI (=fMRI data analysis techniques)*” and “*Applicazione e valutazione di test sulla Memoria Episodica (=Application and evaluation of tests on Episodic Memory)*” for the students of the “*Psicologia Cognitiva (=Cognitive Psychology)*” course held by Professor M. Olivetti Belardinelli, Faculty of Psychology 1, University of Rome “Sapienza”, Italy.
- AY 2003-04, first semester – 3 lessons (6 hours) : “*Ergonomia e interazione uomo-macchina (=Human Factors and Human-Computer Interaction)*” for the course of “*Psicotecnologie dell’apprendimento (=Psychotechnologies of learning)*” held by Professor S. Federici, Faculty of Psychology 1, University of Rome “Sapienza”.
- AY 2001-02, second semester – 2 lessons about motor planning for the Master on “*Cognitive psychology and artificial neural networks*” directed by Professor M. Olivetti Belardinelli, Faculty of Psychology 1, University of Rome “Sapienza”, Italy.
- AY 2000-01, second semester – seminar “*Cognitive planning and frontal trauma rehabilitation*” for the regular course of Cognitive Psychology held by Professor M. Olivetti Belardinelli, Faculty of Psychology 1, University of Rome “Sapienza”, Italy.
- AY 1999-2000, second semester – 2 lessons (4 hours) on “*Methodology in cognitive planning*” and “*Cognitive Rehabilitation of planning deficits*” for the regular course of Physiological Psychology held by Professor P. Bisiacchi, Faculty of Psychology, University of Padua, Italy.

Other lectures:

- Educational activity for the Volontari in Servizio Civile Nazionale (=Applicants of the National Civil Service). Title of the talk: “*Principi e tecniche di comunicazione (=Communication principles and techniques)*”, at the “Il Portico Onlus” Association - Dolo (VE, I), (6 hours, every year from 2009).
- 2016, February 22nd & 23rd – Educational activity for teachers. Title of the talk: “*Pensiero computazionale e neuroscienze cognitive: una fertile collaborazione (=Computational thinking and cognitive neurosciences: a fruitful collaboration)*”, at the IC “Enrico Fermi” - Carvico (BG, I), (3 hours).
- 2015, October 21st & November 16th – Educational activity for teachers. Titles of the talks: “*Sulla valutazione (=On Evaluation)*” and “*Approfondimento pratico (=Practical follow-up meeting)*”, at the Comprensorio scolastico Merano 1 - Merano (BZ, I), (2+2 hours).
- 2014, November 16th – Educational activity for teachers. Title of the talks: “*Apprendimento & valutazione (=Learning and Evaluation)*”, at the Comprensorio scolastico Merano 1 – Merano (BZ, I); (8 hours).
- 2013, November 23rd – Educational activity for teachers, Dipartimento Intendenza scolastica italiana, Provincia autonoma di Bolzano). Title of the talk: “*Apprendimento e Valutazione (= Learning and Evaluation)*”, Bolzano (I), (3 hours).
- 2009, March 6th & April 17th – Master II level: “*Elementi di Neuropsicologia (=Elements of Neuropsychology)*”. Titles of the talks: “*Memoria. Modelli e paradigmi d’indagine (=Memory. Models and paradigms used)*” and “*Azione e Cognizione (=Action and Cognition)*”, at the Centro di Studi e di Applicazione della Psicologia Relazionale (=Center for Study and Application of the Relational Psychology) - Prato (I), (4+4 hours).

Third-mission education:

- 2015, April 16th – BrixEnjoy - AperiUni, Brixen (BZ, I). Title: “*Musica e Cervello (=Music and Brain)*” (with Paolo Somigli).
- 2014 May 17th – Junior Uni (Free University of Bozen/Bolzano), Bolzano (I). Title: “*Stattento!! Cos’è e come si usa l’attenzione (=Pay attention! What is and how to use attention)*”.
- 2014 March 15th – Rai Radio 2, program “Greenwich” directed by Carmela Marsibilio. Invited as expert on attention and neuroscience, during the “Brain Awareness Week”.
- 2014 February 6th – Cicle of conferences, dedicated to families, City of Bressanone-Brixen (BZ). Title: “*La comunicazione nella coppia che scoppia (=Communication in a blowing up couple)*” (with Francesca Presutti).

- 2012 September 28th – Lunga Notte della Ricerca, Bolzano. Title: “*Questo lo farò... dopo! Memoria prospettica e nodi al fazzoletto (I will do this...later! Prospective Memory and knots in handkerchief)*”.
- 2012 May 26th – Junior Uni (Free University of Bozen/Bolzano), Brixen (BZ, I). Title: “*Voglio muovere la mano e... si muove!!! (=I want to move my hand and... it moves!!!)*”.
- 2008, November 14th to December 5th – Series of workshops “*Psicociàcoe*” (=Psychochats), 4 appointments, at the “Il Portico Onlus” Association - Dolo (VE, I).

Research activity

Research fields: Cognitive Psychology, Neuropsychology.

Current researches in: Visuo-spatial planning, Prospective memory, Visuo-spatial working memory, Attention and inhibition processes, Long Term episodic memory.

Grants (as principal investigator):

- 1- “*Prospective Memory as an indicator of social and scholastic development*”, Central Research Committee, Free University of Bozen-Bolzano (October 2012-September 2014), 35000 Euro;
- 2- “*Invisible attractions: Does estimation of distances in South Tyrolean inhabitants depend on their linguistic preference?*”, Faculty of Education, Free University of Bozen-Bolzano (October 2012-September 2013), 10900 Euro.

Participation in research projects:

- 1- “*Effects of bilingualism in aging population*”, Central Research Committee, Free University of Bozen-Bolzano 2013. Project leader: R. Franceschini;
- 2- “*Profili di personalità e comportamento di guida: uno studio applicato a un training di guida sicura*”, Faculty of Education, Free University of Bozen-Bolzano 2013 (October 2013 - September 2014), Project leader: M. Smorti;
- 3- “*Risikofaktoren für suizidales Verhalten (=Risk factors in suicidal behavior)*”, Faculty of Education, Free University of Bozen-Bolzano 2013 (October 2013 - December 2014), Project leader: Reinhard Tschiesner.
- 4- “*Fattori di rischio e di protezione nella guida pericolosa in adolescenza (=Risk and protective factors in dangerous driving behaviour in adolescents)*”, Faculty of Education, Free University of Bozen-Bolzano 2013 (October 2011 - September 2012), Project leader: M. Smorti.
- 5- “*Memory and time: remembering the past, imagining the future. Cognitive, developmental, personal and neuropsychological aspects of episodic thoughts*”, MIUR national grant 2008. Project leader: A. Brandimonte (unit of Pavia, coordinated by Prof. P. Palladino).
- 6- “*Binding with and without consciousness in perception and action*”, MIUR national grant 2008. Project leader: W. Gerbino (unit of Padua, coordinated by Prof. P. Bisiacchi).
- 7- “*Remembering intentions: cognitive, socio-motivational and neurocognitive aspects in a life-span perspective*”, MIUR national grant 2006. Project leader: A. Brandimonte (unit of Pavia, coordinated by Prof. P. Palladino).
- 8- “*Plasticity of categorical boundaries*”, MIUR national grant 2005. Project leader: W. Gerbino (unit of Padua, coordinated by Prof. P. Bisiacchi).
- 9- “*Interpolation in vision, in action, and in representational space*”, MIUR national grant 2003. Project leader: W. Gerbino (unit of Padua, coordinated by Prof. P. Bisiacchi).
- 10- “*Learning disabilities: behavioural and cognitive evaluation and rehabilitation*”, MIUR national grant 2003. Project leader: G. Lancioni (unit of Rome “La Sapienza”, coordinated by Prof. M. Olivetti Belardinelli).

Activity as reviewer:

Prof. Basso is reviewer for the following international journals: Neuroimage; Neuropsychologia; Brain Research Bulletin; Brain & Cognition (Elsevier); Journal of Cognitive Neuroscience; European Journal of Neuroscience; Clinical Physiology and Functional Imaging (Wiley); Journal of Clinical and Experimental Neuropsychology; International Journal of Geographical Information Science (Taylor & Francis); Cerebral Cortex (Oxford University Press); Cognitive Processing (Springer); Journal of the International Neuropsychological Society (Cambridge); Neuropsychobiology (Karger), Restorative Neurology and Neuroscience (IOS press), Functional Neurology (CIC).

Moreover, he has been ad-hoc reviewer for MIUR grants:

- Futuro in Ricerca 2013 (2 projects, pre-selection),
- SIR 2014 (6 projects pre-selection, 2 projects selection).

Affiliation to societies:

Member, since 2011, of the Italian Society of Psychophysiology (SIPF).

Founding member, since 2009, of the Centro di Neuroscienze Cognitive Applicate (CeNCA).

Member, since 2009, of the Italian Psychological Association (AIP).
Member, since 2009, of the Association of Psychological Science (APS).
Member, since 2005, of the European Society of Cognitive Psychology (ESCOP).

Editorial activity:

Member of the scientific board of the journal: IN Psicologia Psicoterapia Psichiatria;

Invited talks:

- 2014 November 28th – Bolzano, III National Conference “Didattica e Inclusione Scolastica”. of the speech: “*Differenze individuali e stili di apprendimento*” (=Individual differences and learning styles).
- 2013 August 30th – Budapest, XVIII Meeting of the European Society for Cognitive Psychology (ESCOP). Title of the speech: “*When Working Memory Updating requires updating: Analysis of serial position in a running memory task*”, as part of the symposium: “Working memory updating: discovering its nature from the study of different materials and task procedures as well as individual differences” organized by P. Palladino.
- 2011 November 16th – Brescia, XIX Conference of the Italian Society of Psychophysiology (SIPF). Title of the symposium: “*Dall’elaborazione temporale alla produzione dell’azione* (=From temporal elaboration to action production)”.
- 2010, July 29th – BarLAB, Department of Psychology, University of British Columbia (Canada). Title of the speech: “*The traveling salesperson problem in neurosciences: Behavioural and neuropsychological data*”.
- 2009, October 9th – Workshop “Spazio fisico/Spazio vissuto (=Physical space/Lived space)”, organized by Sensibilia. Title of the speech: “*Processi cognitivi nella pianificazione visuospatiale: cosa succede nella testa di un commesso viaggiatore? (=Cognitive processes in visuo-spatial planning: what happens in the head of a salesperson?)*”.
- 2009, March 17th – Brain Awareness Week, organized by the Dana Foundation (Padua, Italy). Title of the speech: “*Se il cervello è l’organo della volontà, come possiamo suonarlo? (=If the brain is the organ of the will, how can we play it?)*”.
- 2008, November 5th – LUMSA University of Rome (Italy). Title of the speech: “*Funzioni Esecutive: visioni classica e attuale* (=Executive Functions: Classical and actual views)”.
- 2007, February 24-25th – Workshop “L’atto motorio:pianificazione, organizzazione e temporizzazione (=The motor act: planning, organization and temporization)”, at the Società Italiana di Psicoterapia Integrata (=Italian Society of Integrated Psychotherapy; Casoria, Naples, Italy). Title of the speech: “*Pianificazione e Memoria prospettica* (Planning and Perspective memory)”.
- 2006, June 1st – Workshop “Memory, language and action” at the Department of Psychology, University of Pavia (Italy). Title of the speech: “*Cerebral circuits involved in the passive listening of words: a new method for fMRI data analysis*”.
- 2005, February 19th – Workshop “Cognitive Psychology and brain imaging techniques”, at the Società Italiana di Psicoterapia Integrata (=Italian Society of Integrated Psychotherapy; Casoria, Naples, Italy). Title of the speeches: “*The Transcranial Magnetic Stimulation*” and “*Planning and decisional strategies*”.
- 2003, December 3rd – IFTS course of Superior techniques for marketing and organisation in the integrated tourism. Regione Lombardia, Lecco, Italy the speech: “*Principi di comunicazione* (=Principles of communications)”.
- 2003, December 2nd – Presented the speech: “*Metodologia e applicazione della Stimolazione Magnetica Transcranica*” at the Department of Psychology, University of Pavia, Italy.
- 2002, April 27th – Workshop “Strategie e tecnologie per l’autonomia (=Strategies and Technologies for Autonomy)” at the I.LI.TEC (Independent Life Technologies) Association, University of Rome “Sapienza” (Italy). Round table on Man-machine interaction.
- 2002, April 20th – Workshop Interazione Uomo-Macchina: Ergonomia, Usabilità e Accessibilità (=Man-machine interaction: Ergonomics, Usability and Accessibility)” at the I.LI.TEC (Independent Life Technologies) Association, University of Rome “Sapienza” (Italy). Title of the speech: “*Ergonomia cognitiva* (=Cognitive Ergonomics)”.

Organizational activity:

- Member of the Scientific and Organizing Committee of the “*Cognitive Science Arena for Beginners*”, Brixen (I) every year from 2013. URL: <http://cogsci.altervista.org>
- Member of the Organizing Committee of the “*European Workshop on Cognitive Neuropsychology*”, Brixen (I); from the 34th edition, 2016. URL: <http://bressanone.dur.ac.uk/>
- Member of the Scientific and Organizing Committee of the “*Developmental Neuropsychology workshop*”, Brixen (I); 7th to 9th edition (2012-2014). URL: <http://developbx.altervista.org>
- Member of the Scientific Committee of the “*4th International Conference on Spatial Cognition*”, Rome (I); September 14th-19th, 2009. URL: <http://w3.uniroma1.it/icsc/2009>
- Member of the Organizing Committee of the “*A.I.P. – National Conference of the Experimental Psychology section*”, Padua (I); September 18th-20th, 2008. URL: <http://aip08.psy.unipd.it/sperimentale/>.

- President of the Organizing Committee of the “3rd International Conference on Spatial Cognition: Dynamics in spatial interactions”, Rome & Perugia (I): September 12th-15th, 2006. URL: <http://w3.uniroma1.it/icsc/2006>
- Organization of the cycles of workshops “Neuropsychological Assessment” and “The Neuropsychological Screening”, at the CSN Lab, University of Padua, Italy (AY 2001-2002).
- Organization of the cycle of workshops “The Neuropsychological Screening” at the CSN Lab, University of Padua, Italy (AY 1999-2000).

Institutional appointments

National level:

- delegate for the Free University of Bozen/Bolzano by the Consulta Nazionale della Psicologia Accademica (=National Council of Academic Psychology), since its creation, May 2013.

University level:

- member of the Study plan commission for the master in Primary education – Italian section (since January 2012);
- member of the Study plan commission for the TFA/UBK course (since February 2013);
- member of the course committee for the organization of TFA speciale/PAS (August 2013 – July 2014);
- member of the team BrixEnjoy! (since October 2014).

List of Publications

H-index: 11; Citations: 238

Publications on referred international papers

- 1) **Basso, D.** (2016). Content encapsulation in consciousness is likely to be incomplete. *Behavioural and Brain Sciences*, (accepted for publication).
- 2) Tschiesner, R. & **Basso D.** (2015). Consciousness, not only intentionality, yields self-harm behaviour. *Frontiers in Human Neuroscience*, 9 (69).
- 3) Bardi, L., Schiff S., **Basso D.**, & Mapelli, D. (2015). The premotor cortex mediates response activation and suppression during spatial conflict. *European Journal of Neuroscience*, 41(4), 487-491.
- 4) Botto, M., **Basso, D.**, Ferrari, M., & Palladino, P. (2014). When Working Memory Updating requires updating: Analysis of Serial Position in a Running memory task. *Acta Psychologica*, 148, 123–129.
- 5) Casula, E.P., Tarantino, V., **Basso, D.**, Arcara, G., Marino, G., Toffolo, G.M., Rothwell, J.C., & Bisiacchi, P.S. (2014). Low-frequency rTMS inhibitory effects in the primary motor cortex: Insights from TMS-evoked potentials. *NeuroImage*, 98, 225-232.
- 6) Ronconi, L., **Basso, D.**, Gori, S., & Facchetti, A. (2014). TMS on right frontal eye fields induces an inflexible focus of attention. *Cerebral Cortex*, 24(2), 396-402. doi: 10.1093/cercor/bhs319.
- 7) **Basso, D.** (2013). Planning, prospective memory and decision-making: Three challenges for hierarchical predictive processing models. *Frontiers in Theoretical and Philosophical Psychology*, 3, 623.
- 8) **Basso, D.**, Pavan, A., Ricciardi, E., Fagioli, S., Vecchi, T., Miniussi, C., & Pietrini, P. (2012). Touching motion: rTMS of the middle temporal complex interferes with tactile speed processing. *Brain Topography*, 25(4), 389-398. doi: 10.1007/s10548-012-0223-4.
- 9) Salillas, E., Semenza, C., **Basso, D.**, Vecchi, T., & Siegal, M. (2012). Single pulse TMS induced disruption to right and left parietal cortex on addition and multiplication. *Neuroimage*, 59(4), 3159-3165.
- 10) Bisiacchi, P.S., Cona, G., Schiff, S., & **Basso, D.** (2011). Modulation of fronto-parietal network in event-based prospective memory: An rTMS study. *Neuropsychologia*, 49, 2225-2232.
- 11) Schiff, S., Bardi, L., **Basso, D.**, & Mapelli D. (2011). Timing spatial conflict within the parietal cortex: a TMS study. *Journal of Cognitive Neuroscience*, 23(12), 3998-4007.
- 12) Ricciardi, E., **Basso, D.**, Sani, L., Bonino, D., Vecchi, T., Pietrini, P., & Miniussi, C. (2010). Functional inhibition of the human middle temporal cortex affects non-visual motion perception: a repetitive transcranial magnetic stimulation study during tactile speed discrimination. *Experimental Biology and Medicine*, 236(2), 138-144.
- 13) **Basso, D.**, Ferrari, M., & Palladino, P. (2010). Prospective memory and working memory: Asymmetrical effects during frontal lobe TMS stimulation. *Neuropsychologia*, 48(11), 3282-3290.
- 14) Cazzato, V., **Basso, D.**, Cutini, S., & Bisiacchi, P.S. (2010). Gender differences in visuospatial planning: an eye movements study. *Behavioural Brain Research*, 206(2), 177-183.
- 15) Londei, A., D’Ausilio, A., **Basso, D.**, Sestieri, C., Del Gratta, C., Romani, G.L., & Olivetti Belardinelli, M. (2010). Sensory-motor brain network connectivity for speech comprehension. *Human Brain Mapping*, 31(4), 567-580.

- 16) Salillas, E., **Basso, D.**, Baldi, M., Semenza, C., & Vecchi, T. (2009). Motion on numbers: Transcranial Magnetic Stimulation on the ventral Intraparietal Sulcus alters both numerical and motion processes. *Journal of Cognitive Neuroscience*, 21(11), 2129-2138.
- 17) Akiva-Kabiri, L., Vecchi, T., Granot, R., **Basso, D.**, & Schön, D. (2009). Memory for tonal pitches: A music-length effect hypothesis. *Annals of the New York Academy of Sciences*, 1169, 266-269.
- 18) Cutini, S., Di Ferdinando, A., **Basso, D.**, Bisiacchi P.S., & Zorzi, M. (2008). Visuospatial planning in the Travelling Salesperson Problem: A connectionist account of normal and impaired performance. *Cognitive Neuropsychology*, 25(2), 194-217.
- 19) **Basso, D.** (2008). Spatial Navigation. *Cognitive Processing*, 9(4), 227-228.
- 20) **Basso, D.** (2008). Spatial perception and knowledge. *Cognitive Processing*, 9(2), 81-82.
- 21) Londei, A., D'Ausilio, A., **Basso, D.**, Sestieri, C., Del Gratta, C., Romani, G., & Olivetti Belardinelli, M. (2007). Brain network for passive word listening as evaluated with ICA and Granger causality. *Brain Research Bulletin*, 72(4-6), 284-292.
- 22) **Basso, D.**, Lotze, M., Vitale, L., Ferreri, F., Bisiacchi, P.S., Olivetti Belardinelli, M., Rossini, P.M., & Birbaumer, N. (2006). The role of prefrontal cortex in visuo-spatial planning: A repetitive-TMS study. *Experimental Brain Research*, 171(3), 411-415.
- 23) **Basso, D.**, Vecchi, T., Akiva Kabiri, L., Baschenis, I., Boggiani, E., & Bisiacchi, P.S. (2006). Handedness effects on Interhemispheric Transfer Time: A TMS study. *Brain Research Bulletin*, 70(3) 228-232.
- 24) **Basso, D.**, & Olivetti Belardinelli, M. (2006). The role of the feedforward paradigm in cognitive psychology. *Cognitive Processing*, 7(2), 73-88.
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- 2) Montani, V., **Basso, D.**, Ruffino, M., Zorzi, M., & Facoetti A. (). Neurobiological and behavioral evidence for a serial attentional mechanism in the phonological decoding processing. (in preparation).
- 3) **Basso, D.**, & Cottini, M. (). Prospective memory and second language education: what influences teachers' evaluation. (in preparation).
- 4) **Basso, D.** (). Le diverse memorie che si usano in classe. (in preparation).
- 5) Pedale, T., **Basso, D.**, Santangelo, V. (). Processing of negative stimuli facilitate event-based prospective memory only under conditions of low retrospective memory load. (in preparation).