

CURRICULUM VITAE ET STUDIORUM

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Current positions:

- Associate Professor, s.s.d. M-PSI/01 (Psicologia Generale - General Psychology), Faculty of Education, Free University of Bozen-Bolzano;
- Head of the Cognitive and Educational Sciences Lab (CESLab), at the Faculty of Education, Free University of Bozen-Bolzano;
- Visiting scientist at the CINPSI Neurocog (Catholic University of Maule, Talca, Chile), from 22.03.2018;
- Member of the Psychological Order of Bozen (I), n° 749, from 29.11.2012.

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);
- Collaborator of 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);
- Co-founding member of the Centro di Neuroscienze Cognitive Applicate (Center of Applied Cognitive Neurosciences), Rome (March 2009 – March 2020);
- 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 researcher 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);
- Internship as junior psychologist 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:

- 2017-present** – Collaboration with Dr. Chiara Saracini, Vicerrectoria de Investigación y Postgrado (Catholic University of Maule, Talca, Chile); research on planning and executive functions;
- 2017-present** – Collaboration with Prof. Dr. Ulrike Domahs, Institute for German Linguistics (University of Marburg, D); research on language skills in bilinguals;
- 2012-present** – Collaboration with Prof. Dr. Claus-Christian Carbon, Department of General Psychology and Methodology (University of Bamberg, D); research on spatial cognition related to sociocultural indicators;

- 2003-present** – Collaboration with Prof. Dr. Paola Palladino, Department of Psychology, University of Pavia, Italy; didactical activity and research on numbers and movement, prospective and working memory;
- 2001-2015** – 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 Prof. Carlo Miniussi, 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 – Interathenaeum 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 from the University of 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 through a simulation of the traveling salesperson problem)*, thesis advisor: Prof. P. S. Bisiacchi, Department of General Psychology, University of Padua, Italy.

Teaching

Teaching areas of interest: General and Cognitive Psychology, Psychology of Communication, Neurosciences.

University lectures:

- For the Faculty of Education, Free University of Bozen-Bolzano, I give the following courses on:
 - Psicologia generale (30 hours, Bachelor in Social Education/Bachelor in Social Work, since Academic Year 2013-14),
 - 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);
 - Research methodology (8 hours, PhD program “Pedagogia generale, pedagogia sociale, didattica generale e didattica disciplinare”, since AY 2015-16);
- Supervisor of Ph.D. students (3 as first tutor, 3 as secondary tutor) and 25 graduate students at the Universities of Bozen, Padua, Pavia and “Sapienza” of Rome.

Third-mission / popularization of science:

- 2018, March 17th – Rai Radio 2, program “Greenwich” directed by Carmela Marsibilio. Invited as expert on neuroscience, during the “Brain Awareness Week”.
- 2017, May 27th – Festival dell'Educazione, Bolzano. Title: *“Life skills cognitive e insegnamento (=Cognitive life skills and teaching)”*.
- 2016, September 30th – Lunga Notte della Ricerca, Bolzano. Title: *“La Psicologia, la scuola ...e voi! (=Psychology, School... and you!)”*.

- 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 – Cycle 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

Research areas of interest: Cognitive Psychology, Neuroscience, Education.

Current research in: Visuo-spatial planning, Prospective memory, Visuo-spatial working memory, Attention and inhibition processes, Executive functions.

Grants (as principal investigator):

- 1- "*Robotics for the Inclusive Development of Atypical and Typical Children (RIDE)*", Erasmus+ 2019-1-HU01-KA201-061275 (September 2019-August 2022). Head of the unit, 73,642 Euro;
- 2- "*Mind Wandering: cognitive characteristics and good practices*", Central Research Committee, Free University of Bozen-Bolzano (November 2016-April 2019), 67,900 Euro;
- 3- "*Prospective Memory as an indicator of social and scholastic development*", Central Research Committee, Free University of Bozen-Bolzano (October 2012-September 2014), 35,000 Euro;
- 4- "*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), 10,900 Euro.

Participation in research projects:

- 1- "*Cognitive and socio-emotional predictors of bullying in early childhood (UPRISING)*", Central Research Committee, Free University of Bozen-Bolzano 2019. Project leader: A. Brighi;
- 2- "*Virtual and augmented reality for arts and heritage in education and museum experience*" Central Research Committee, Free University of Bozen-Bolzano 2017. Project leader: A. Luigini;
- 3- "*Combining computation thinking, didactics and software engineering in K-12*", Central Research Committee - Interdisciplinary grants, Free University of Bozen-Bolzano 2017. Project leader: I. Fronza;
- 4- "*Sensitivity to reduced syllables in Italian-German bilinguals and implications for grammatical learning*", Central Research Committee, Free University of Bozen-Bolzano 2016. Project leader: U. Domahs;
- 5- "*Effects of bilingualism in aging population*", Central Research Committee, Free University of Bozen-Bolzano 2013. Project leader: R. Franceschini;
- 6- "*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;
- 7- "*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.
- 8- "*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.
- 9- "*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).

- 10- "*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).
- 11- "*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).
- 12- "*Plasticity of categorical boundaries*", MIUR national grant 2005. Project leader: W. Gerbino (unit of Padua, coordinated by Prof. P. Bisiacchi).
- 13- "*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).
- 14- "*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:

I am reviewer for the following international journals: Neuroimage; Neuropsychologia; Brain Research Bulletin; Brain & Cognition, Neuroscience Letters, Biological Psychology (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); Scientific Reports (Nature Pub. Group); Journal of the International Neuropsychological Society (Cambridge); Neuropsychobiology (Karger); Restorative Neurology and Neuroscience (IOS press); Functional Neurology (CIC); Review Editor for Frontiers in Cognition; Frontiers in Psychology; Frontiers in Behavioral Neuroscience; The Journal of Neuroscience.

Moreover, I have been ad-hoc reviewer for grants of:

- the Italian Ministry of University and Research (MIUR):
 - Futuro in Ricerca 2013 (2 projects, pre-selection),
 - SIR 2014 (6 projects pre-selection, 2 projects selection)
 - Programma per Giovani Ricercatori "Rita Levi Montalcini" 2016 (1 project);
- the German Israeli Foundation for Scientific Research and Development:
 - 2 projects (since 2014).

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 (ESCOMP).

Editorial activity:

Section Editor (section: Cognitive psychology) of the scientific journal: Open Psychology (<https://www.degruyter.com/view/j/psych>), ISSN 2543-8883.

Member of the scientific board of the e-journal: IN Psicologia Psicoterapia Psichiatria (<http://www.in-psicoterapia.com/>).

Invited talks:

- 2018 August 23rd – Catholic University of Maule, Talca (Chile). Title of the keynote: "*Teacher forgive me, I forgot to do it! (How to manage Prospective Memory in childhood)*".
- 2017 December 7th – Bolzano, Conference: "Eye tracking and biometric systems: breaking into industrial engineering". Title of the talk: "*When are studies with biometric devices worth? The psychology standpoint*".
- 2017 November 22nd – Graz (A), Conference: "Cognition and language". Title of the keynote: "*Prospective memory and meta-memory*".
- 2017 February 23rd – Padua, Conference "Hora: I Verbi del Tempo". Title of the talk: "*Mental Time Travel: processi cognitivi e correlati neurali*" (=Mental Time Travel: cognitive processes and neural correlates).

- 2016 November 11th – Rimini, First International Conference “Immaginare, sperimentare, innovare. Didattiche 2016”. Round table: “*Neuroscienze e Didattica*” (=Neurosciences and Didactics).
- 2016 September 24th – Rome, National Conference “Apprendere per Valutare: il contributo della ricerca psicologica”. Title of the talk: “*Apprendimento ed esiti*” (=Learning and outcomes).
- 2014 November 28th – Bolzano, III National Conference “Didattica e Inclusione Scolastica”. Title of the talk: “*Differenze individuali e stili di apprendimento*” (=Individual differences and learning styles).
- 2013 August 30th – Budapest, XVIII Meeting of the European Society for Cognitive Psychology (ESCP). Title of the talk: “*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 talk: “*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 talk: “*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 talk: “*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 talk: “*Funzioni Esecutive: visioni classica e attuale (=Executive Functions: Classical and current 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 talk: “*Pianificazione e Memoria prospettica (=Planning and Prospective memory)*”.
- 2006, June 1st – Workshop “Memory, language and action” at the Department of Psychology, University of Pavia (Italy). Title of the talk: “*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 talks: “*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). Title of the talk: “*Principi di comunicazione (=Principles of communication)*”.
- 2003, December 2nd – Department of Psychology, University of Pavia (Italy). Title of the talk: “*Metodologia e applicazione della Stimolazione Magnetica Transcranica (=Methodology and application of the Transcranial Magnetic Stimulation)*”.
- 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: “*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 talk: “*Ergonomia cognitiva (=Cognitive human factors)*”.

Organization of scientific conferences:

- Member of the Scientific and Organizing Committee of the “*Cognitive Science Arena*”, Brixen (BZ-I): every year since 2013. URL: <http://cogsci.altervista.org>
- Member of the Organizing Committee of the “*European Workshop on Cognitive Neuropsychology*”, Brixen (BZ-I): since the 34th edition, 2016. URL: <http://bressanone.dur.ac.uk/>
- Member of the Organizing Committee of “*IMG, Image and imagination between representation, communication, education and psychology*”, biannual conference, since the first edition in 2017;
- Member of the Scientific and Organizing Committees of “*PsycholEduca*”, Brixen (BZ-I): November 10th-12th, 2015;

- Member of the Scientific and Organizing Committees of the "*Developmental Neuropsychology workshop*", Brixen (BZ-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 establishment, May 2013.

University level:

- leader of the research area "Psychology" at the Faculty of Education, Free University of Bolzano (since February 2018);
- member of the Committee for Guarantee of Faculty Research Quality and Third Mission (since April 2018)
- president of the course committee for the organization and Study plan commission of the preFIT 24CFU course (since September 2018; previously, member of the same committee since October 2017);
- member of the course committee for the Bachelor: Communication Science and Culture (since October 2017);
- head of the team BrixEnjoy! (since its creation, October 2014).
- member of the Study plan commission for the master in Primary education – Italian section (January 2012 – December 2016);
- member of the Study plan commission for the TFA/UBK course (February 2013 – January 2016);
- member of the course committee for the organization of TFA speciale/PAS (August 2013 – July 2014);

List of Publications

H-index: 14; Citations (Scopus): 468

Publications on referred international journals

- 1) **Basso, D.**, & Saracini, C. (2020). Differential involvement of left and right frontoparietal areas in visuospatial planning: A rTMS study. *Neuropsychologia*, 58. DOI: 10.1016/j.neuropsychologia.2019.107260
- 2) Imperio, A., Kleine Staarman, J., **Basso, D.** (2020). Relevance of the socio-cultural perspective in the discussion about critical thinking. *Ricerche di Pedagogia e Didattica*. DOI: 10.6092/issn.1970-2221/9882
- 3) Borgianni, Y., Maccioni, L., & **Basso, D.** (2019). Exploratory study on the perception of additively manufactured end-use products with specific questionnaires and eye-tracking. *International Journal on Interactive Design and Manufacturing*, DOI: 10.1007/s12008-019-00563-w
- 4) **Basso, D.**, Saracini, C., Palladino, P., & Cottini, M. (2019). Travelling salesperson in an immersive Virtual Environment: Experimental evaluation of Tracking system device. *Advances in Intelligent Systems and Computing*, 919, 519–529. DOI:10.1007/978-3-030-12240-9_54

- 5) Maccioni, L., Borgianni, Y., & **Basso, D.** (2019). Value perception of green products: an exploratory study combining conscious answers and unconscious behavioral aspects. *Sustainability*, 11(5), 1226. DOI: 10.3390/su11051226
- 6) Luigini, A., **Basso, D.**, Brusaporci, S., Turco, M.L., Moretti, M., Panciroli, C., Parricchi, M., Rossi, D., Viganò, F., Zuccoli, F. (2019). Preface. 1st International and Interdisciplinary Conference on Digital Environments for Education, Arts and Heritage, EARTH 2018. *Advances in Intelligent Systems and Computing*, 919, v-vii.
- 7) Cottini, M., **Basso, D.**, Saracini, C., & Palladino, P. (2019). Performance predictions and postdictions in prospective memory of school-aged children. *Journal of Experimental Child Psychology*, 179, 38–55. DOI: 10.1016/j.jecp.2018.10.008
- 8) **Basso D.**, Fronza, I., Colombi, A., & Pahl C. (2018). Improving assessment of computational thinking through a comprehensive framework. *ACM International Conference Proceeding Series*, a15. DOI: 10.1145/3279720.3279735
- 9) Colombi, A., Fronza, I., Pahl, C., & **Basso, D.** (2018). COCONATS: Combining computational thinking didactics and software engineering in K-12 first pedagogical and didactical reflections. *SIGITE 2018 - Proceedings of the 19th Annual SIG Conference on Information Technology Education*, 162. ISBN: 978-145035954-2. DOI: 10.1145/3241815.3241886.
- 10) Cottini, M., **Basso, D.**, & Palladino, P. (2018). The role of declarative and procedural metamemory on event-based prospective memory in school-aged children. *Journal of Experimental Child Psychology*, 166, 17-33. DOI: 10.1016/j.jecp.2017.08.002
- 11) Pedale, T., **Basso, D.**, & Santangelo, V. (2017). Processing of negative stimuli facilitates event-based prospective memory only under low memory load. *Journal of Cognitive Psychology*, 29(8), 920-928. DOI: 10.1080/20445911.2017.1329204
- 12) **Basso, D.** (2016). Content encapsulation in consciousness is likely to be incomplete. *Behavioural and Brain Sciences*, 39(1), e170. DOI: 10.1017/S0140525X15002009
- 13) Tschiesner, R. & **Basso D.** (2015). Consciousness, not only intentionality, yields self-harm behaviour. *Frontiers in Human Neuroscience*, 9 (69).
- 14) 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.
- 15) 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.
- 16) 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.
- 17) Ronconi, L., **Basso, D.**, Gori, S., & Facoetti, A. (2014). TMS on right frontal eye fields induces an inflexible focus of attention. *Cerebral Cortex*, 24(2), 396-402.
- 18) **Basso, D.** (2013). Planning, prospective memory and decision-making: Three challenges for hierarchical predictive processing models. *Frontiers in Theoretical and Philosophical Psychology*, 3, 623.
- 19) **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.
- 20) 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.
- 21) 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.
- 22) 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.
- 23) 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.
- 24) **Basso, D.**, Ferrari, M., & Palladino, P. (2010). Prospective memory and working memory: Asymmetrical effects during frontal lobe TMS stimulation. *Neuropsychologia*, 48(11), 3282-3290.
- 25) 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.

- 26) 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.
- 27) 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.
- 28) 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.
- 29) 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.
- 30) **Basso, D.** (2008). Spatial Navigation. *Cognitive Processing*, 9(4), 227-228.
- 31) **Basso, D.** (2008). Spatial perception and knowledge. *Cognitive Processing*, 9(2), 81-82.
- 32) 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.
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