

CURRICULUM VITAE

Nome e Cognome: Gabriella Bottini

Luogo edata di nascita: Napoli, 22 gennaio 1958.

Cittadinanza Italiana

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Lavoro:
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"Centro di Neuropsicologia Cognitiva"SSD -Azienda Ospedaliera Niguarda Ca' Granda, Milano.

Studi:

1975 Diploma, Liceo Classico C. Beccaria, Milan.
1982 Laurea Magistrale, Università di Milano. (110 cum laude).
1986 Specializzazione in neurologia, Università di Milano.
1991 Dottorato di ricerca in Neuroscienze.

Aree di ricerca:

Neurologia Malattia di Alzheimer e altre demenze. Malattie cerebrovascolari.
Epilessia.

Neuropsicologia Negligenza unilaterale. Rappresentazione dello schema corporeo. Anosognosia. Perseverazione nella negligenza spaziale. Funzioni linguistiche dell'emisfero destro. Neuropsicologia dell'epilessia.

Neuroimaging Uso delle tecnologie PET, VBM e (f)MRI per lo studio dei temi di cui sopra.

Posizione

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| 1979-1981 | Studente Interno, Istituto di Neurologia, Università Statale di Milano. |
| 1986-1988 | Medico Interno, Istituto di Neurologia, Università Statale di Milano. |
| 1990-1992 | Assistente Neurologo -Ospedale Niguarda Ca' Granda, Milano. |
| 1992-1994 | Research Fellow -MRC Cyclotron Unit, Hammersmith Hospital, Londra, Gran Bretagna. |
| 1994-2000 | Aiuto Neurologo-, Ospedale Niguarda Ca' Granda, Milano. |
| Presente | Professore Ordinario per il settore disciplinare MPSI02 – Psicobiologia e Psicologia Fisiologica, Corso di Laurea in Psicologia, Facoltà di Lettere e Filosofia, Università degli Studi di Pavia. Responsabile Struttura Semplice Dipartimentale “Laboratorio di Neuropsicologia Cognitiva” dell’ Azienda Ospedaliera <i>Ca’ Granda</i> Niguarda, Milano. |

Grants

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| 1981-1982 | Clinique Psychiatrique "Bel Air" - Università de Geneve, Svizzera. |
| 1984-1985 | Istituto di Neurologia – Università di Milano. |
| 1985-1986 | Istituto di Neurologia – Università di Milano. |
| 2001 PRIN | [2001112485_007] Co-applicant con Eraldo Paulesu. |
| 2003 PRIN | [2003112997_009] Co-applicant con Eraldo Paulesu. |
| 2005 PRIN | [2005111097_004] Co-applicant con Eraldo Paulesu. |
| 2007 PRIN | [2007]LKBL9_002] Co-applicant con Eraldo Paulesu. |
| 2010-2011 | PRIN [2010ENPRYE_005] Responsabile scientifico di unità di ricerca. |
| 2009-2012 | Contratto di Ricerca della Regione Lombardia, Programma Tutor per lo studio neurocognitivo di pazienti mielolesi e con malattie del motoneurone |
| 2011- 2014 | Contratti Ricerca Finalizzata Ministero della Salute - Mental Acute Performance in Stroke (MAPS) |
| 2016 | Cordinatore di due Work-packages PROTON Horizon2020. |

Società scientifiche

European Association of Neuroscience and Law (EANL): Presidente
International Society of Neuropsychology (INS)
Società Italiana di Neuropsicologia (SINP)
Società Italiana di Neurologia (SIN)
Società Italiana di Neurologia Demmenze (SINdem)
British Neuropsychology Society (BNS)
Lega Italiana contro l'Epilessia (LICE)
Associazione Italiana Psicologia (AIP)
Osservatorio Alzheimer Comune di Milano

NeuroMi

Proboviro dell'Associazione Italiana Malattia di Alzheimer (AIMA).

Altre attività accademiche

Honorary Senior Lecturer, Institute of Neurology, Londra, UK.

Attività Editoriale

Referee per le riviste: Brain, Journal of Neurology, Neurosurgery and Psychiatry, NeuroImage, Journal of Neuroscience, Frontiers in Human Neuroscience, Neuron, Perception, Emotion, Brain and Language, Neuropsychologia, Cortex, Epilepsy and Behaviour, Experimental Brain Psychology.

Associate Editor per la rivista Neuroscience Letters.

Guest Editor per la rivista Current Opinion in Neurology.

Pubblicazioni

- d'Orio, P., Pelliccia, V., Gozzo, F., Cardinale, F., Castana, L., Russo, G. L., **Bottini G.**, Scarpa P. & Cossu, M. (2017). Epilepsy surgery in patients older than 50 years: effectiveness, safety, and predictors of outcome. *Seizure*.
- Berlingeri, M., Losasso, D., Girolo, A., Cozzolino, E., Masullo, T., Scotto, M., Sberna M., **Bottini G.** & Paulesu, E. (2017). Resting state brain connectivity patterns before eventual relapse into cocaine abuse. *Behavioural brain research*, 327, 121-132.
- Salvato, G., Peviani, V., Scarano, E., Scarpa, P., Leo, A., Redaelli, T., ... & **Bottini, G.** (2017). Dissociation between preserved body structural description and impaired body image following a pediatric spinal trauma. *Neurocase*, 1-5.
- Salvato, G., Scarpa, P., Francione, S., Mai, R., Tassi, L., Scarano, E., ... & **Bottini, G.** (2016). Declarative long-term memory and the mesial temporal lobe: Insights from a 5-year postsurgery follow-up study on refractory temporal lobe epilepsy. *Epilepsy & Behavior*, 64, 102-109.
- Scarpa, P., Toraldo, A., Peviani, V., & **Bottini, G.** (2016). Let's cut it short: Italian standardization of the MMSPE (Mini-Mental State Pediatric Examination), a brief cognitive screening tool for school-age children. *Neurological Sciences*, 1-6.
- Peviani, V., Scarpa, P., Toraldo, A., & **Bottini, G.** (2016). Accounting for ethnic-cultural and linguistic diversity in neuropsychological assessment of patients with drug-resistant epilepsy: A retrospective study. *Epilepsy & Behavior*, 64, 94-101.
- Sedda A, Tonin D, Salvato G, Gandola M, **Bottini G.** (2016). Left caloric vestibular stimulation as a tool to reveal implicit and explicit parameters of body representation. *Conscious Cogn*, 41, 1-9.
- Passoni S, Curinga T, Toraldo A, Berlingeri M, Fernandez I, **Bottini G** (2016). Preliminary results of a randomized controlled trial about the effectiveness of eye movement desensitization and reprocessing integrative group treatment protocol (EMDR-IGTP) for the reduction of psychological distress in caregiver of patients with dementia. *Journal of Alzheimers Disease*, 53, S25-S25.
- Danelli L, Berlingeri M, Lucchese M, Borghese A, Sberna M, **Bottini G**, Paulesu E (2016). How many deficits in the same dyslexic brains? Behavioural and fMRI evidence. *Journal of Alzheimers Disease*, 53, S62-S62.
- Bottini G**, Salvato G, Berlingeri M (2016). The brain safe mode: evidence from normal and pathological ageing. *Journal of Alzheimers Disease*, 53, S6-S7.
- Salvato G, Scarpa P, Francione S, Scarano E, Mai R, Tassi L, Lo Russo G, **Bottini G** (2016). Declarative long-term memory and the temporal lobe: insights from refractory epilepsy. *Journal of Alzheimers Disease*, 53, S66-S67.

- Ciricugno A, Basilico S, Gelosa G, Ambrogio T, **Bottini G** (2016). Dr Jekyll and Mr Hyde: the diagnosis disclosure. *Journal of Alzheimers Disease*, 53, S45-S46.
- De Santis C, Berlingeri M, Tettamanti M, **Bottini G**, Sberna M, Paulesu E (2016). All for one and one for all: a novel approach to single case studies with VBM. *Journal of Alzheimers Disease*, 53, S22-S23.
- Bottini G**, Gandola M. (2015). Beyond the Non-Specific Attentional Effect of Caloric Vestibular Stimulation: Evidence from Healthy Subjects and Patients. *Multisens Res.*, 28(5-6), 591-612.
- Ovadia D, **Bottini G**. (2015). Neuroethical implications of deep brain stimulation in degenerative disorders. *Curr Opin Neurol*, 28(6), 598-603.
- Ferrè ER, Haggard P, **Bottini G**, Iannetti GD (2015). Caloric vestibular stimulation modulates nociceptive evoked potentials. *Experimental brain research* 233 (12), 3393-3401.
- Berlingeri M, Ravasio A, Cranna S, Basilico S, Sberna M, **Bottini G**, Paulesu E. (2015). Unrealistic representations of "the self": A cognitive neuroscience assessment of anosognosia for memory deficit. *Conscious Cogn.*, 19 (37), 160-177.
- Romano D, Sedda A, Brugger P, **Bottini G** (2015). Body ownership: When feeling and knowing diverge. *Consciousness and cognition* 34, 140-148.
- Salvato G, Gandola M, Veronelli L, Agostoni EC, Sberna M, Corbo M, **Bottini G**. (2015). The spatial side of somatoparaphrenia: a case study. *Neurocase*, 14, 1-7.
- Bottini G**, Sedda A, Ovadia D (2015). Past present and future of neuroscience and law. *Italian Journal of Criminology*, 7 (1), 17-22.
- Gandola M, Sedda A, Manera M, Pingue V, Salvato G, Spitoni GF, Pistarini C, Giorgi I, Pizzamiglio L, **Bottini G**. (2014). Selective improvement of anosognosia for hemiplegia during transcranial direct current stimulation: A case report. *Cortex*, 61, 107-119.
- Sedda, A., **Bottini, G**. (2014). Apotemnophilia, body integrity identity disorder or xenomelia? Psychiatric and neurologic etiologies face each other. *Neuropsychiatric Disease and Treatment*, 10, 1255-1265.
- Passoni, S., Toraldo, A., Villa, B., **Bottini, G**. (2014). Prolonged grief in caregivers of community-dwelling dementia patients. *Am J Alzheimers Dis Other Demen*.
- Salvato, G., Sedda, A., & **Bottini, G**. (2014). In Search of the Disappeared Half of It: 35 Years of Studies on Representational Neglect. *Neuropsychology*.
- Romano, D., Sedda, A., Dell'aquila, R., Dalla Costa, D., Beretta, G., Maravita, A., & **Bottini, G**. (2014). Controlling the alien hand through the mirror box. A single case study of alien hand syndrome. *Neurocase*, 20(3), 307-316.

- Romano, D., Gandola, M., **Bottini**, G., & Maravita, A. (2014). Arousal responses to noxious stimuli in somatoparaphrenia and anosognosia: clues to body awareness. *Brain*, 137(Pt 4), 1213-1223.
- Passoni, S., Moroni, L., Toraldo, A., Mazza, M. T., Bertolotti, G., Vanacore, N., & **Bottini**, G. (2014). Cognitive Behavioral Group Intervention for Alzheimer Caregivers. *Alzheimer Dis Assoc Disord*.
- Gandola, M., **Bottini**, G., Zapparoli, L., Invernizzi, P., Verardi, M., Sterzi, R., Santilli, I., Sberna, M., & Paulesu, E. (2014). The physiology of motor delusions in anosognosia for hemiplegia: Implications for current models of motor awareness. *Conscious Cogn*, 24, 98-112.
- Bottini**, G., Brugger, P., & Sedda, A. (2014). Is the desire for amputation related to disturbed emotion processing? A multiple case study analysis in BIID. *Neurocase*.
- Zapparoli, L., Invernizzi, P., Gandola, M., Verardi, M., Berlingeri, M., Sberna, M., De Santis, A., Zerbi, A., Banfi, G., **Bottini**, G., & Paulesu, E. (2013). Mental images across the adult lifespan: a behavioural and fMRI investigation of motor execution and motor imagery. *Exp Brain Res*, 224(4), 519-540.
- Sedda, A., Rivolta, D., Scarpa, P., Burt, M., Frigerio, E., Zanardi, G., Piazzini, A., Turner, K., Canevini, M. P., Francione, S., Lo Russo, G., & **Bottini**, G. (2013). Ambiguous emotion recognition in temporal lobe epilepsy: the role of expression intensity. *Cogn Affect Behav Neurosci*, 13(3), 452-463.
- Sedda, A., Ferre, E. R., Striemer, C. L., & **Bottini**, G. (2013). Neglect's perspective on the Ponzo illusion. *Exp Brain Res*, 227(4), 487-496.
- Sedda, A., Borghese, N. A., Ronchetti, M., Mainetti, R., Pasotti, F., Beretta, G., & **Bottini**, G. (2013). Using virtual reality to rehabilitate neglect. *Behav Neurol*, 26(3), 183-185.
- Ross, J., Sharma, S., Winston, J., Nunez, M., **Bottini**, G., Franceschi, M., Scarpini, E., Frigerio, E., Fiorentini, F., Fernandez, M., Sivilia, S., Giardino, L., Calza, L., Norris, D., Cicirello, H., Casula, D., & Imbimbo, B. P. (2013). CHF5074 reduces biomarkers of neuroinflammation in patients with mild cognitive impairment: a 12-week, double-blind, placebo-controlled study. *Curr Alzheimer Res*, 10(7), 742-753.
- Ross J, Sharma S, Chatterjee A, Winston J, Bottini G, Franceschi M, Fernandez M, Giardino L, Calzà L, Norris D, Cicirello H, Imbimbo B (2013). Sustained cognitive benefit in patients with mild cognitive impairment (MCI) upon prolonged treatment with CHF5074. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, 9 (4), 530.
- Romano, D., **Bottini**, G., & Maravita, A. (2013). Perceptual effects of the mirror box training in normal subjects. *Restor Neurol Neurosci*, 31(4), 373-386.
- Mainetti, R., Sedda, A., Ronchetti, M., **Bottini**, G., & Borghese, N. A. (2013). Duckneglect: video-games based neglect rehabilitation. *Technol Health Care*, 21(2), 97-111.

- Invernizzi, P., Gandola, M., Romano, D., Zapparoli, L., **Bottini**, G., & Paulesu, E. (2013). What is mine? Behavioral and anatomical dissociations between somatoparaphrenia and anosognosia for hemiplegia. *Behav Neurol*, 26(1-2), 139-150.
- Sedda A, Ferrè ER, Striemer CL, **Bottini G** (2013). Neglect's perspective on the Ponzo illusion. *Experimental brain research* 227 (4), 487-496.
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- Gandola, M., Toraldo, A., Invernizzi, P., Corrado, L., Sberna, M., Santilli, I., **Bottini**, G., & Paulesu, E. (2013). How many forms of perseveration? Evidence from cancellation tasks in right hemisphere patients. *Neuropsychologia*, 51(14), 2960-2975.
- Fiori, F., Sedda, A., Ferre, E. R., Toraldo, A., Querzola, M., Pasotti, F., Ovadia, D., Piroddi, C., Dell'aquila, R., Redaelli, T., & **Bottini**, G. (2013). Motor imagery in spinal cord injury patients: Moving makes the difference. *J Neuropsychol*.
- Fiori, F., Sedda, A., Ferre, E. R., Toraldo, A., Querzola, M., Pasotti, F., Ovadia, D., Piroddi, C., Dell'aquila, R., Lunetta, C., Corbo, M., & **Bottini**, G. (2013). Exploring motor and visual imagery in Amyotrophic Lateral Sclerosis. *Exp Brain Res*, 226(4), 537-547.
- Ferre, E. R., Day, B. L., **Bottini**, G., & Haggard, P. (2013). How the vestibular system interacts with somatosensory perception: a sham-controlled study with galvanic vestibular stimulation. *Neurosci Lett*, 550, 35-40.
- Ferre, E. R., **Bottini**, G., Iannetti, G. D., & Haggard, P. (2013). The balance of feelings: vestibular modulation of bodily sensations. *Cortex*, 49(3), 748-758.
- Danelli, L., Berlinger, M., **Bottini**, G., Ferri, F., Vacchi, L., Sberna, M., & Paulesu, E. (2013). Neural intersections of the phonological, visual magnocellular and motor/cerebellar systems in normal readers: implications for imaging studies on dyslexia. *Hum Brain Mapp*, 34(10), 2669-2687.
- Bottini**, G., Gandola, M., Sedda, A., & Ferre, E. R. (2013). Caloric vestibular stimulation: interaction between somatosensory system and vestibular apparatus. *Front Integr Neurosci*, 7, 66.
- Borghese, N. A., **Bottini**, G., & Sedda, A. (2013). Videogame based neglect rehabilitation: a role for spatial remapping and multisensory integration? *Front Hum Neurosci*, 7, 116.

- Berlingeri, M., Danelli, L., **Bottini**, G., Sberna, M., & Paulesu, E. (2013). Reassessing the HAROLD model: is the hemispheric asymmetry reduction in older adults a special case of compensatory-related utilisation of neural circuits? *Exp Brain Res*, 224(3), 393-410.
- Derada Troletti I, Danelli L, Scarpa P, Francione S, Lo Russo G, Paulesu E, **Bottini G** (2013). Il disturbo di lettura nei pazienti con epilessia farmaco-resistente (EFFR). *Bollettino-Lega Italiana contro l'Epilessia*, 145, 240-242.
- Sedda, A., Passoni, S., & **Bottini**, G. (2012). Perseverations and non-verbal confabulations on the Rey-Osterrieth Complex Figure Test in a fronto-temporal dementia single case study. *Neurocase*, 18(5), 366-376.
- Sedda, A., Manfredi, V., **Bottini**, G., Cristani, M., & Murino, V. (2012). Automatic human interaction understanding: lessons from a multidisciplinary approach. *Front Hum Neurosci*, 6, 57.
- Gandola, M., Invernizzi, P., Sedda, A., Ferre, E. R., Sterzi, R., Sberna, M., Paulesu, E., & **Bottini**, G. (2012). An anatomical account of somatoparaphrenia. *Cortex*, 48(9), 1165-1178.
- Ferre, E. R., **Bottini**, G., & Haggard, P. (2012). Vestibular inputs modulate somatosensory cortical processing. *Brain Struct Funct*, 217(4), 859-864.
- Bottini**, G., Berlingeri, M., Basilico, S., Passoni, S., Danelli, L., Colombo, N., Sberna, M., Franceschi, M., Sterzi, R., & Paulesu, E. (2012). GOOD or BAD responder? Behavioural and neuroanatomical markers of clinical response to donepezil in dementia. *Behav Neurol*, 25(2), 61-72.
- Arduino, L. S., Marinelli, C. V., Pasotti, F., Ferre, E. R., & **Bottini**, G. (2012). Representational neglect for words as revealed by bisection tasks. *J Neuropsychol*, 6(1), 43-64.
- Cascardo B, Pelle F, Scarpa P, Piroddi C, **Bottini G** (2011). exploring cognitive functions during insular stimulation by means of intracerebral electrodes in patients with drug-resistant epilepsy. *Epilepsia* 52, 227-227.
- Sedda, A., Monaco, S., **Bottini**, G., & Goodale, M. A. (2011). Integration of visual and auditory information for hand actions: preliminary evidence for the contribution of natural sounds to grasping. *Exp Brain Res*, 209(3), 365-374.
- Ferre, E. R., Sedda, A., Gandola, M., & **Bottini**, G. (2011). How the vestibular system modulates tactile perception in normal subjects: a behavioural and physiological study. *Exp Brain Res*, 208(1), 29-38.
- Ferre, E. R., **Bottini**, G., & Haggard, P. (2011). Vestibular modulation of somatosensory perception. *Eur J Neurosci*, 34(8), 1337-1344.
- Sedda, A., Manfredi, V., Parente, A., & **Bottini**, G. (2010). Motion influences emotion, but also structural facial features recognition. *Behav Neurol*, 23(4), 253-254.

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- Passoni, S., Mazza, M., Zanardi, G., & **Bottini, G.** (2010). [Levels of burden of Alzheimer disease caregivers]. *G Ital Med Lav Ergon*, 32(3 Suppl B), B37-42.
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