

CURRICULUM VITAE



INFORMAZIONI PERSONALI

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POSIZIONE RICOPERTA

Responsabile Struttura Semplice Dipartimentale “Centro di Neuropsicologia Cognitiva” dell’ASST Grande Ospedale Metropolitano Niguarda - Milano

ESPERIENZA LAVORATIVA

2019 – attuale
Delegato alla terza missione – Università degli studi di Pavia

2023 – attuale
Coordinatrice del programma di Dottorato in “Psychology”, Università di Pavia

2012-attuale
Professore Ordinario – Dipartimento di Scienze del Sistema Nervoso e del Comportamento, Università di Pavia

2001 - attuale
Direttore del Centro di Neuropsicologia Cognitiva – ASST Grande Ospedale Metropolitano Niguarda

2016 – 2023
Coordinatrice del programma di Dottorato in “Psychology, Neuroscience and Data Science”, Università di Pavia

2000-2011
Professore Associato – Università di Pavia

1994-2000
Neurologa – Unità Operativa di Neurologia, Ospedale Niguarda – Milano

1992-1994
Assegnista di ricerca – MRC Cyclotron Unit, Hammersmith Hospital, Londra

1990-1992
Neurologa – Unità Operativa di Neurologia, Ospedale Niguarda – Milano

FORMAZIONE

1991
PhD in Neurological Sciences, Università Statale di Milano

1986

Specializzazione in Neurologia, Università Statale di Milano

1982

Laurea in Medicina (110/110 e lode) Università Statale di Milano

PUBBLICAZIONI
(ultimi 4 anni)

2024

Pasotti, F., Aiello, E. N., Bollani, A., Querzola, M., Cozzi, S., Manfrin, F., Bruno, S., Poletti, B., Ticozzi, N., Silani, V., & Bottini, G. (2024). The Single-Matrix Digit Cancellation Test, a Screener for Selective Attention Deficits: Standardization in an Italian Population Sample and Clinical Usability in Acute Stroke Patients. *Cerebrovascular diseases (Basel, Switzerland)*, 53(1), 62–68.

Cataldo, A., Crivelli, D., Bottini, G., Gomi, H., & Haggard, P. (2024). Active self-touch restores bodily proprioceptive spatial awareness following disruption by 'rubber hand illusion'. *Proceedings. Biological sciences*, 291(2015), 20231753.

2023

Salvato, G., De Maio, G., Francescon, E., Fiorina, M. L., Fazia, T., Grecucci, A., ... & **Bottini, G.** (2023). "I feel your fear": superior fear recognition in organised crime members. *Cognition and emotion*, 1-9.

Crivelli, D., Crotti, D., Crottini, F., Peviani, V., Gandola, M., Bottini, G., & Salvato, G. (2023). Skin temperature changes in response to body ownership modulation vary according to the side of stimulation. *Physiology & behavior*, 265, 114142.

Ferroli, P., Schiavolin, S., Mariniello, A., Acerbi, F., Restelli, F., Schiariti, M., LA Corte, E., Falco, J., Levi, V., Dimeco, F., Assietti, R., Bongetta, D., Colombo, E. V., Bellocchi, S., Sangiorgi, S., Bistazzoni, S., Polosa, M., Orru, M. I., Spena, G., Bernucci, C., ... Broggi, M. (2023). Towards a common language in neurosurgical outcome evaluation: the NEON (NEurosurgical Outcome Network) proposal. *Journal of neurosurgical sciences*, 67(3), 263–272.

Salvato, G., Inglese, E., Fazia, T., Crottini, F., Crotti, D., Valentini, F., Palmas, G., Bollani, A., Basilico, S., Gandola, M., Gelosa, G., Gentilini, D., Bernardinelli, L., Stracciari, A., Scaglione, F., Agostoni, E. C., & Bottini, G. (2023). The Association between Dysnatraemia during Hospitalisation and Post-COVID-19 Mental Fatigue. *Journal of clinical medicine*, 12(11), 3702.

Danesin, L., Oliveri, M., Semenza, C., Bottini, G., Burgio, F., & Giustiniani, A. (2023). Prism adaptation in patients with unilateral lesion of the parietal or cerebellar cortex: A pilot study on two single cases using a concurrent exposure procedure. *Neuropsychologia*, 184, 108557. <https://doi-org.unimib.idm.oclc.org/10.1016/j.neuropsychologia.2023.108557>

2022

Bonfiglio, N. S., Renati, R., & **Bottini, G.** (2022). Decoding emotion in drug abusers: evidence for face and body emotion recognition and for disgust emotion. *European Journal of Investigation in Health, Psychology and Education*, 12(9), 1427-1440.

Sacheli, L. M., Tomasetig, G., Musco, M. A., Pizzi, S., **Bottini, G.**, Pizzamiglio, L., & Paulesu, E. (2022). The unexplored link between aesthetic perception and

- creativity: a theory-driven meta-analysis of fMRI studies in the visual domain. *Neuroscience & Biobehavioral Reviews*, 104768.
- Schiavolin, S., Mariniello, A., Broggi, M., Abete-Fornara, G., Bollani, A., **Bottini, G.**, ... & Leonardi, M. (2022). Patient-reported outcome and cognitive measures to be used in vascular and brain tumor surgery: proposal for a minimum set. *Neurological Sciences*, 43(8), 5143-5151.
- Fazia, T., Bubbico, F., Nova, A., Riggi, E., Caimi, G., Calgan, B., ... **Bottini, G.**, & Bernardinelli, L. (2022). Online Short-Term Mindfulness-Based Intervention During COVID-19 Quarantine in Italy: Effects on Wellbeing, Stress, and Anxiety. *Frontiers in psychology*, 13.
- Messina, A., Basilico, S., **Bottini, G.**, & Salvato, G. (2022). Exploring the role of interoception in autobiographical memory recollection. *Consciousness and cognition*, 102, 103358.
- Saetta, G., Ruddy, K., Zapparoli, L., Gandola, M., Salvato, G., Sberna, M., ... & Lenggenhager, B. (2022). White matter abnormalities in the amputation variant of body integrity dysphoria. *Cortex*, 151, 272-280.
- Pasotti, F., Serranò, S., Aiello, E. N., Gramegna, C., Querzola, M., Gallucci, M., ... & **Bottini, G.** (2022). Assessing mood and cognitive functioning in acute stroke: clinical usability of a Visual Analogue Mood Scale (VAMS). *Neurological Sciences*, 43(3), 1741-1745.
- Salvato, G., Zapparoli, L., Gandola, M., Sacilotto, E., Ludwig, N., Gargano, M., ... & **Bottini, G.** (2022). Attention to body parts prompts thermoregulatory reactions in Body Integrity Dysphoria. *Cortex*, 147, 1-8.
- Pasotti, F., De Luca, G., Aiello, E. N., Gramegna, C., Di Gangi, M., Foderaro, G., ... & **Bottini, G.** (2022). A multi-component, adaptive Working Memory Assessment battery (WoMAB): validation and norms in an Italian population sample. *Neurological Sciences*, 43(2), 985-992.
- Sacilotto, E., Salvato, G., Villa, F., Salvi, F., & **Bottini, G.** (2022). Through the Looking Glass: A Scoping Review of Cinema and Video Therapy. *Frontiers in Psychology*, 6103.

2021

- Salvato, G., Peviani, V., Scarpa, P., Francione, S., Castana, L., Gallace, A., ... & **Bottini, G.** (2021). Investigating visuo-spatial neglect and visual extinction during intracranial electrical stimulations: The role of the right inferior parietal cortex. *Neuropsychologia*, 162, 108049
- De Maio, G., **Bottini, G.**, & Ferré, E. R. (2021). Galvanic Vestibular Stimulation influences risk-taking behaviour. *Neuropsychologia*, 160, 107965.
- Gandola, M., Zapparoli, L., Saetta, G., Reverberi, C., Salvato, G., Squarza, S. A. C., ... & Paulesu, E. (2021). Brain Abnormalities in Individuals with a Desire for a Healthy Limb Amputation: Somatosensory, Motoric or Both? A Task-Based fMRI Verdict. *Brain sciences*, 11(9), 1248
- Basilico, S., Ciricugno, A., Gelosa, G., Magnani, F. G., Mosca, L., Popescu, C., ... & **Bottini, G.** (2021). Clinical Characterization of Atypical Primary Progressive Aphasia in a 3-Year Longitudinal Study: A Case Report. *Cognitive and Behavioral Neurology*, 34(3), 233-244.
- Salvato, G., Ovadia, D., Messina, A., & **Bottini, G.** (2021). Health emergencies and interoceptive sensibility modulate the perception of non-evidence-based drug use: Findings from the COVID-19 outbreak. *Plos one*, 16(8), e0256806.
- Pasotti, F., Serranò, S., Aiello, E. N., Gramegna, C., Querzola, M., Gallucci, M., ... & **Bottini, G.** (2021). Assessing mood and cognitive functioning in acute stroke: clinical usability of a Visual Analogue Mood Scale (VAMS). *Neurological Sciences*, 1-5.
- Paulesu, E., Bonandrini, R., Zapparoli, L., Rupani, C., Mapelli, C., Tassini, F., ... & Zorzi, M. (2021). Effects of Orthographic Consistency on Bilingual Reading: Human and Computer Simulation Data. *Brain sciences*, 11(7), 878.

- Pasotti, F., De Luca, G., Aiello, E. N., Gramegna, C., Di Gangi, M., Foderaro, G., ... & **Bottini, G.** (2021). A multi-component, adaptive Working Memory Assessment battery (WoMAB): validation and norms in an Italian population sample. *Neurological Sciences*, 1-8.
- Stracciari, A., **Bottini, G.**, Guarino, M., Magni, E., & Pantoni, L. (2021). Cognitive and behavioral manifestations in SARS-CoV-2 infection: not specific or distinctive features?. *Neurological Sciences*, 1-9.
- Crivelli, D., Polimeni, E., Crotti, D., **Bottini, G.**, & Salvato, G. (2021). Bilateral skin temperature drop and warm sensibility decrease following modulation of body part ownership through mirror-box illusion. *Cortex*, 135, 49-60.
- Saetta, G., Ruddy, K., Zapparoli, L., Gandola, M., Salvato, G., Sberna, M., ... & Lenggenhager, B. (2021). White Matter Abnormalities in Body Integrity Dysphoria. *medRxiv*.
- Crivelli, D., Peviani, V., Salvato, G., & **Bottini, G.** (2021). Exploring the interaction between handedness and body parts ownership by means of the Implicit Association Test. *Frontiers in human neuroscience*, 15.
- Peviani, V., Scarpa, P., & **Bottini, G.** (2021). The Mini-Mental State Pediatric Examination: a cognitive screening test for Italian children. In *Diagnosis, Management and Modeling of Neurodevelopmental Disorders* (pp. 345-354). Academic Press.
- Peviani, V., Magnani, F. G., **Bottini, G.**, & Melloni, L. (2021). Metric biases in body representation extend to objects. *Cognition*, 206, 104490

2020

- Bottini, G.**, & Salvato, G. (2020). In medio stat virtus: Integrating two functional models of vestibular cognition. *Cognitive neuropsychology*, 37(7-8), 427-429.
- Peviani, V., & **Bottini, G.** (2020). Proprioceptive errors in the localization of hand landmarks: What can be learnt about the hand metric representation?. *Plos one*, 15(7), e0236416
- Saetta, G., Hänggi, J., Gandola, M., Zapparoli, L., Salvato, G., Berlinger, M., ... & Brugger, P. (2020). Neural correlates of body integrity dysphoria. *Current Biology*, 30(11), 2191-2195.
- Salvato, G., Fiorina, M. L., De Maio, G., Francescon, E., Ovadia, D., Bernardinelli, L., ... & **Bottini, G.** (2020). Pathological risk-propensity typifies Mafia members' cognitive profile. *Scientific reports*, 10(1), 1-9.
- Salvato, G., Romano, D., De Maio, G., & **Bottini, G.** (2020). Implicit mechanisms of body image alterations: The covert attention exposure effect. *Attention, Perception, & Psychophysics*, 82(4), 1808-1817
- Peviani, V., Liotta, J., & **Bottini, G.** (2020). The motor system (partially) deceives body representation biases in absence of visual correcting cues. *Acta psychologica*, 203, 103003.
- Salvato, G., Richter, F., Sedeño, L., **Bottini, G.**, & Paulesu, E. (2020). Building the bodily self-awareness: Evidence for the convergence between interoceptive and exteroceptive information in a multilevel kernel density analysis study. *Human brain mapping*, 41(2), 401-418.
- Pasotti, F., Magnani, F. G., Gallucci, M., Salvato, G., Ovadia, D., Scotto, M., ... & **Bottini, G.** (2020). Neuropsychological assessment in acute stroke patients. *Neurological Sciences*, 1-8.
- Peviani, V., Scarpa, P., Vedovelli, S., & **Bottini, G.** (2020). Mini-Mental State Pediatric Examination (MMSPE) standardization and normative data on Italian children aged 36 to 72 months. *Applied Neuropsychology: Child*, 9(1), 92-96.
- Fazia, T., Bubbico, F., Salvato, G., Berzuini, G., Bruno, S., **Bottini, G.**, & Bernardinelli, L. (2020). Boosting Psychological Well-Being through a Social Mindfulness-Based Intervention in the General Population. *International journal of environmental research and public health*, 17(22), 8404.

- Salvato, G., Berlingeri, M., De Maio, G., Curto, F., Chieragato, A., Magnani, F. G., ... & **Bottini, G.** (2020). Autonomic responses to emotional linguistic stimuli and amplitude of low-frequency fluctuations predict outcome after severe brain injury. *NeuroImage: Clinical*, 28, 102356
- Redolfi, A., De Francesco, S., Palesi, F., Galluzzi, S., Muscio, C., Castellazzi, G., ... & D'Angelo, E. (2020). Medical Informatics Platform (MIP): A pilot study across clinical Italian cohorts. *Frontiers in neurology*, 11.
- Salvato, G., Fiorina, M. L., Ovadia, D., De Maio, G., Francescon, E., & **Bottini, G.** (2020). Investigating the Psychological Profile of Organized Crime Members. In *Understanding Recruitment to Organized Crime and Terrorism* (pp. 269-275). Springer, Cham.

ULTERIORI INFORMAZIONI

APPARTENENZA A SOCIETA' SCIENTIFICHE

- | | |
|--------------|--|
| 2022-present | Member Academia Europaea. |
| 2014-present | Member of Milan Center for Neuroscience (NeuroMi), Milan, Italy. |
| 2013-present | Member of "European Center for Law, Science, and New Technologies", University of Pavia, Pavia, Italy. |
| 2006-present | Member of the International Neuropsychological Symposium. |
| 1995-present | Member of the Lega Italiana Contro l'Epilessia (LICE), Italy. |
| 1994-present | Member of the British Neuropsychology Society (BNS), UK. |
| 1990-present | Member of the Società Italiana di Neuropsicologia (SINP), Italy. |
| 2015-present | Member of the Società Italiana di Neurologia (SIN), Italy. |
| 2015-present | Member of the International Society of Neuropsychology (INS). |
| 2015-present | Member of the Associazione Italiana Psicologia (AIP), Italy. |
| 2015-present | Member of the Società Italiana di Neurologia Demenze (SINdem), Italy. |
| 2014-present | Proboviro of the Associazione Italiana Malattia di Alzheimer (AIMA), Italy. |
| 2015-present | Member of the Osservatorio Alzheimer Comune di Milano, Italy. |

FINANZIAMENTI

- | | |
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| 2023-2025 | Italian Ministry of Research and Education Grants - MUR PRIN (PI): "Exploring the relation between tactile perception and body ownership in healthy and pathological brains". |
| 2023-2026 | Project MNESYS (PE0000006) – "A Multiscale integrated approach to the study of the nervous system in health and disease" (DN. 1553 11.10.2022) (Spoke 4 co-PI), NEXTGENERATIONEU (NGEU), funded by the Ministry of University and Research (MUR), National Recovery and Resilience Plan (NRRP) |
| 2023-2026 | Transforming Health and Care Systems (THCS), co-funded by the European Union (co-investigator): "Democratising access to an innovative, evidence-based model of care |

2016-2019	for neurological disorders in Europe". European Union - Horizon 2020 (Task Leader- Local coordinator UNIPV; 242.250 Euros): "Modelling the PRocesses leading to Organised crime and TerrOrist Networks — PROTON"
2011-2014	Italian Ministry of Research and Education Grants - Miur PRIN (Unit coordiantor): Neural basis of bodily-awareness.
2009-2012	Italian Ministry of Health Grants – Ricerca Finalizzata (co-Investigator): “MAPS: Studio multicentrico per la standardizzazione di un nuovo strumento informatico per la valutazione delle funzioni cognitive e comportamentali nell’ictus acuto”(RF-2009-1549303).
2007-2010	Italian Ministry of Research and Education Grants - Miur PRIN (co-Investigator): Functional anatomical explorations of motor awareness in patients with anosognosia for hemiplegia and hemiplegic patients aware of their motor deficit.
2007-2010	Italian Ministry of Health Grants – Ricerca Finalizzata (co-Investigator): “TUTOR: sistema integrato per il supporto della rete ospedale-territorio nella gestione multidisciplinare del paziente mieloleso”.
2003-2006	Italian Ministry of Research and Education Grants - Miur PRIN (co-Investigator PI): Neural mechanisms underlying the modulation of spatial representation induced by vestibular stimulation: fMRI studies in normal subjects and patients with spatial neglect.
2001-2004	Italian Ministry of Research and Education Grants - Miur PRIN (co-Investigator): Anatomical and functional anatomical bases of aware tactile perception and of the hemispheric asymmetry of body schema representation.

Il sottoscritto è a conoscenza che, ai sensi dell’art. art. 76 del DPR 445/2000, le dichiarazioni mendaci, la falsità negli atti e l’uso di atti falsi sono puniti ai sensi del codice penale e delle leggi speciali. Inoltre, Autorizzo al trattamento dati ai sensi del GDPR 2016/679 del 27 aprile 2016 (Regolamento Europeo relativo alla protezione delle persone fisiche per quanto riguarda il trattamento dei dati personali).

CITTA’ MILANO

DATA 28/02/2024

F.to Gabriella Bottini