

Curriculum



Nome Name:	Gabriella
Cognome Surname:	BOTTINI

ORCID:	0000-0003-4683-6420
Scopus Author ID:	7003788458
WOS Author ID:	LSK-3564-2024
Sito WEB WEB site:	n.d.

POSIZIONE PROFESSIONALE ATTUALE / CURRENT PROFESSIONAL POSITION:

Posizione attuale Current position:	In Servizio
Qualifica Qualification:	Professore Ordinario
Ateneo/Ente/Azienda University/Institution/Company:	Università degli Studi di PAVIA
Nazione Ateneo/Ente/Azienda University/Institution/Company Country:	ITA
Anno inizio Start Year:	2011
Anno fine End Year:	n.d.

PRECEDENTI ESPERIENZE LAVORATIVE (ULTIMI 10 ANNI) / PREVIOUS WORK EXPERIENCE (LAST 10 YEARS):

Qualifica Qualification:	Professore Associato (L. 240/10)
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Ateneo/Ente/Azienda University/Institution/Company	Università degli Studi di PAVIA
Posizione Sede Lavorativi (indicare Nazione e Città) Workplace Location (specify Country and City):	Pavia, PV, Italia
Anno inizio Start Year:	2000
Anno fine End Year:	2011
Descrizione Description:	

LINGUE / LANGUAGES:

Lingua Language:	Inglese
Scrittura Writing:	C2
Comunicazione Communication:	C2

AREA/SETTORE SCIENTIFICO-DISCIPLINARE / AREA/SECTOR SCIENTIFIC-DISCIPLINARY

Area scientifico-disciplinare Area scientific-disciplinary:	Scienze storiche, filosofiche pedagogiche e psicologiche
Area scientifico-disciplinare codice Area scientific-disciplinary code:	11
Settore scientifico-disciplinare codice Sector scientific-disciplinary code:	-Neuropsicologia e neuroscienze cognitive
Settore scientifico-disciplinare codice Sector scientific-disciplinary code:	-PSIC-01/B

DESCRIZIONE DEI PRINCIPALI RISULTATI SCIENTIFICI CONSEGUITI NEGLI ULTIMI 10 ANNI (CON ANNESSO ELENCO DI MASSIMO 10 PUBBLICAZIONI) / DESCRIPTION OF THE MAIN SCIENTIFIC RESULTS ACHIEVED IN THE LAST 10 YEARS (WITH ATTACHED LIST OF MAXIMUM 10 PUBLICATIONS):

Descrizione Description:	<i>I am a Full Professor of Cognitive Neuroscience at the University of Pavia and serve as the University's Delegate for Third Mission activities. I also direct the Cognitive Neuropsychology Center at Niguarda Hospital in Milan. My research focuses on neuropsychological disorders linked to brain lesions and neurodegenerative diseases, as well as neurocognitive modeling in healthy individuals. Early in my career, I used positron emission tomography to map central vestibular projections</i>
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	<p><i>and their role in modulating tactile imperception, contributing to our understanding of the neural mechanisms underlying phenomenological consciousness. This work was published in Nature and marked the beginning of my long-standing interest in consciousness and awareness. I subsequently published several studies on the effects of vestibular manipulations in both healthy individuals and patients with brain injuries. My research has also explored motor representation and awareness in conditions such as stroke, spinal cord injury, coma, and ALS. In a Science publication, I identified the neural basis of anosognosia for hemiplegia, showing that awareness of action is embedded within the same network responsible for the monitored function. I further examined motor anosognosia resulting from right-hemisphere damage using fMRI and motor imagery tasks. Over the past decade, my work has increasingly focused on bodily self-awareness and its disruptions, both in healthy subjects and in those with neurological and neuropsychiatric conditions. I employ a range of methods, including fMRI, TMS, lesion mapping, and thermal imaging. For example, I investigated structural alterations in Body Integrity Dysphoria (Current Biology) and the role of thermal signals in body ownership disorders (Nature Communications). In parallel, I have studied the cognitive and emotional profiles of organized crime prisoners, identifying features that differentiate them from general prison populations. Most recently, I have explored cognitive outcomes in patients with refractory temporal lobe epilepsy, including investigations using intracranial electrical stimulation.</i></p>
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PUBBLICAZIONI / PUBLICATIONS:

Anno della pubblicazione Year of publication:	2016
Citazione Citation:	SALVATO, GERARDO, SCARPA, PINA, Francione, Stefano, Mai, Roberto, Tassi, Laura, SCARANO, ELISA, Lo Russo, Giorgio, BOTTINI, GABRIELLA (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, vol. 64, p. 102-109, ISSN: 1525-5050, doi: 10.1016/j.yebeh.2016.08.029

Anno della pubblicazione Year of publication:	2017
Citazione Citation:	Salvato G, De Maio G, Bottini G (2017). Exploring biased attention towards body-related stimuli and its relationship with body awareness.. SCIENTIFIC REPORTS, vol. 7, ISSN: 2045-2322, doi: 10.1038/s41598-017-17528-2

Anno della pubblicazione Year of publication:	2018
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Citazione Citation:	Peviani, V., MAGNANI, FRANCESCA GIULIA, CIRICUGNO, ANDREA, Vecchi, T., Bottini, G. (2018). Rubber Hand Illusion survives Ventral Premotor area inhibition: A rTMS study. NEUROPSYCHOLOGIA, vol. 120, p. 18-24, ISSN: 0028-3932, doi: 10.1016/j.neuropsychologia.2018.09.017
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Anno della pubblicazione Year of publication:	2019
Citazione Citation:	Peviani V., Melloni L., Bottini G. (2019). Visual and somatosensory information contribute to distortions of the body model. SCIENTIFIC REPORTS, vol. 9, ISSN: 2045-2322, doi: 10.1038/s41598-019-49979-0

Anno della pubblicazione Year of publication:	2020
Citazione Citation:	Saetta G., Hanggi J., Gandola M., Zapparoli L., Salvato G., Berlinger M., Sberna M., Paulesu E., Bottini G., Brugger P. (2020). Neural Correlates of Body Integrity Dysphoria. CURRENT BIOLOGY, vol. 30, p. 2191-2195, ISSN: 0960-9822, doi: 10.1016/j.cub.2020.04.001

Anno della pubblicazione Year of publication:	2021
Citazione Citation:	Salvato, Gerardo, Peviani, Valeria, Scarpa, Pina, Francione, Stefano, Castana, Laura, Gallace, Alberto, Bricolo, Emanuela, Vallar, Giuseppe, Bottini, Gabriella (2021). Investigating visuo-spatial neglect and visual extinction during intracranial electrical stimulations: The role of the right inferior parietal cortex. NEUROPSYCHOLOGIA, vol. 162, ISSN: 0028-3932, doi: 10.1016/j.neuropsychologia.2021.108049

Anno della pubblicazione Year of publication:	2022
Citazione Citation:	Salvato, Gerardo, Zapparoli, Laura, Gandola, Martina, Sacilotto, Elena, Ludwig, Nicola, Gargano, Marco, Fazia, Teresa, Saetta, Gianluca, Brugger, Peter, Paulesu, Eraldo, Bottini, Gabriella (2022). Attention to body parts prompts thermoregulatory reactions in Body Integrity Dysphoria. CORTEX, vol. 147, p. 1-8, ISSN: 0010-9452, doi: 10.1016/j.cortex.2021.11.016

Anno della pubblicazione Year of publication:	2023
Citazione Citation:	Salvato, Gerardo, De Maio, Gabriele, Francescon, Elisa, Fiorina, Maria L, Fazia, Teresa, Grecucci, Alessandro, Bernardinelli, Luisa, Ovidia, Daniela, Bottini, Gabriella (2023). "I feel your fear": superior fear recognition in organised crime members. COGNITION & EMOTION, p. 1-9, ISSN: 0269-9931, doi: 10.1080/02699931.2023.2170333

Anno della pubblicazione Year of publication:	2024
Citazione Citation:	Salvato, Gerardo, Sellitto, Manuela, Crottini, Francesco, Tarlarini, Patrizia, Tajani, Marcella, Basilico, Stefania, Corradi, Ettore, Bottini, Gabriella (2024). Extreme Weight Conditions impact on the relationship between risky decision-making and interoception. CORTEX, vol. 179, p. 126-142, ISSN: 0010-9452, doi: 10.1016/j.cortex.2024.07.009

Anno della pubblicazione Year of publication:	2025
Citazione Citation:	Salvato, Gerardo, Jenkinson, Paul Mark, Sellitto, Manuela, Crivelli, Damiano, Crottini, Francesco, Fazia, Teresa, Squarza, Silvia Amaryllis Claudia, Piano, Mariangela, Sessa, Maria, Gandola, Martina, Fotopoulou, Aikaterini, Bottini, Gabriella (2025). The contribution of cutaneous thermal signals to bodily self-awareness. NATURE COMMUNICATIONS, vol. 16, ISSN: 2041-1723, doi: 10.1038/s41467-025-55829-7

DESCRIZIONE DEI PRINCIPALI PROGETTI DI RICERCA E PREMI CONSEGUITI NEGLI ULTIMI 10 ANNI (CON ANNESSO ELENCO DI MASSIMO 10 RISULTATI, INCLUDENDO, A TITOLO DI ESEMPIO, PRINCIPAL INVESTIGATOR O COORDINATORE LOCALE DI PROGETTI DI RICERCA COMPETITIVI NAZIONALI O INTERNAZIONALI, SIGNIFICATIVI PREMI CONSEGUITI PER LA PROPRIA ATTIVITÀ DI RICERCA)/ DESCRIPTION OF THE MAIN RESEARCH PROJECTS AND AWARDS AWARDED IN THE LAST 10 YEARS (WITH ATTACHED LIST OF MAXIMUM 10 ACHIEVEMENTS, INCLUDING, FOR EXAMPLE, PRINCIPAL INVESTIGATOR OR LOCAL COORDINATOR OF NATIONAL OR INTERNATIONAL COMPETITIVE RESEARCH PROJECTS, SIGNIFICANT AWARDS AWARDED FOR YOUR RESEARCH ACTIVITY):

Descrizione Description:	<i>In 2016, I was awarded a European Union Horizon 2020 grant for the project "Modelling the Processes Leading to Organised Crime and Terrorist Networks — PROTON." As Task Leader and Local Coordinator for UNIPV, I led efforts to investigate the cognitive and social processes contributing to the formation and persistence of organized crime and terrorist networks. In 2023, I received a MUR PRIN grant as Principal Investigator for the project "Exploring the Relation Between Tactile Perception and Body Ownership in Healthy and Pathological Brains." This research focuses on understanding the integration of tactile perception and body ownership, particularly in pathological conditions like neurological and psychiatric disorders. By employing advanced methods such as fMRI, TMS, and thermal imaging, the study aims to uncover</i>
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	<p><i>the neural mechanisms behind disturbances in body awareness, with the goal of improving diagnostic tools and therapeutic interventions for affected individuals. Also in 2023, I became Co-Investigator for the MNESYS Project (PE000006), funded under the NextGenerationEU framework as part of the National Recovery and Resilience Plan (PNRR). Titled "A Multiscale Integrated Approach to the Study of the Nervous System in Health and Disease," the project aims to connect molecular, cellular, and functional levels of brain research. I specifically focus on neurophysiological and behavioral analyses to further understand brain mechanisms in health and neurological disorders. This initiative contributes to the development of novel diagnostic and therapeutic strategies for diseases affecting the nervous system. Additionally, in 2023, I was appointed Co-Investigator for the Transforming Health and Care Systems (THCS) project, co-funded by the European Union. This initiative aims to democratize access to innovative, evidence-based models of care for neurological disorders across Europe. By enhancing access to advanced diagnostic tools and treatments, the project seeks to reduce healthcare disparities, ensuring that all patients, regardless of their geographic or socio-economic status, benefit from cutting-edge care. My contribution to this project involves integrating neuroscience research to optimize care models for patients with neurological conditions</i></p>
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Descrizione Description:	2016-2019 European Union - Horizon 2020 (Task Leader - Local coordinator UNIPV; 242.250 Euros): "Modelling the PProcesses leading to Organised crime and TerrOrist Networks — PROTON"
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Descrizione Description:	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 for neurological disorders in Europe".
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Descrizione Description:	2023-2026 Project MNESYS (PE000006) - "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)
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Descrizione Description:	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".
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DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI ULTIMI 10 ANNI IN TERMINI DI SVILUPPO DI RETI E RELAZIONI

SCIENTIFICHE NAZIONALI E INTERNAZIONALI (CON ANNESSO ELENCO DI MASSIMO 5 RISULTATI, INCLUDENDO, A TITOLO DI ESEMPIO, PARTECIPAZIONE O ORGANIZZAZIONE DI CONVEGNI NAZIONALI E INTERNAZIONALI; CONTRIBUTI A CONSORZI DI RICERCA) / DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10 YEARS IN TERMS OF DEVELOPMENT OF NATIONAL AND INTERNATIONAL SCIENTIFIC NETWORKS AND RELATIONS (WITH ATTACHED LIST OF MAXIMUM 5 RESULTS, INCLUDING, FOR EXAMPLE, PARTICIPATION OR ORGANIZATION OF NATIONAL AND INTERNATIONAL CONFERENCES; CONTRIBUTIONS TO RESEARCH CONSORTIA):

<p>Descrizione Description:</p>	<p><i>Actively engaged in advancing neuropsychological research and clinical practice, I serve as a Board Member of the Italian Society of Neuropsychology (SINP), contributing to strategic planning and scientific development in the field. I am also a Member of the Scientific Board of NeuroMI - Milan Centre for Neuroscience, where I support interdisciplinary initiatives bridging basic and applied neuroscience. Within the Italian Society of Neurology for Dementias (SINDEM), I coordinate the NEED Study Group (Neuroscience, Ethics, and Law), fostering dialogue and research at the intersection of cognitive neuroscience, medical ethics, and legal responsibility. My leadership extends to the Italian League Against Epilepsy (LICE), where I coordinate the Study Group on Cognitive Neurology and Neuropsychology of Epilepsy in Adulthood, promoting research and clinical best practices focused on adult patients. At the international level, I represent Italy within the International Neuropsychology Symposium (INS), contributing to the global exchange of knowledge and collaboration among senior researchers in neuropsychology.</i></p>
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<p>Descrizione Description:</p>	<p>Member of the Board of Società Italiana di NeuroPsicologia (SINP)</p>
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<p>Descrizione Description:</p>	<p>Member of the Scientific Board of NeuroMI (Milan Centre for Neuroscience)</p>
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<p>Descrizione Description:</p>	<p>Coordinator of the study group SINDEM NEED (Neuroscience, Ethics, and Law)</p>
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<p>Descrizione Description:</p>	<p>Coordinator of the study group Cognitive Neurology and Neuropsychology of Epilepsy in Adulthood - LICE</p>
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Descrizione Description:	Representative of the Italian Constituency of the International Neuropsychology Symposium (INS)
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DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI ULTIMI 10 ANNI IN TERMINI DI SUPPORTO ALLA COMUNITÀ SCIENTIFICA (CON ANNESSO ELENCO DI MASSIMO 5 RISULTATI, INCLUDENDO, A TITOLO DI ESEMPIO, RESPONSABILITÀ DI DIREZIONE DI COMITATI EDITORIALI; INCARICHI DI VALUTAZIONE DELLA RICERCA PRESSO ISTITUZIONI NAZIONALI O INTERNAZIONALI; RESPONSABILITÀ ISTITUZIONALI ALL'INTERNO DELL'ISTITUZIONE DI APPARTENENZA O DI ALTRE ISTITUZIONI) / DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10 YEARS IN TERMS OF SUPPORT TO THE SCIENTIFIC COMMUNITY (WITH ATTACHED LIST OF MAXIMUM 5 RESULTS, INCLUDING, FOR EXAMPLE, MANAGEMENT RESPONSIBILITIES OF EDITORIAL COMMITTEES; RESEARCH EVALUATION ROLES AT NATIONAL OR INTERNATIONAL INSTITUTIONS; INSTITUTIONAL RESPONSIBILITIES WITHIN THE INSTITUTION OF AFFILIATION OR OTHER INSTITUTIONS):

Descrizione Description:	<i>Since 2019, I have served as the Rector's Delegate for Third Mission and Public Engagement at the University of Pavia. In this capacity, I coordinate the university's public engagement initiatives, with the aim of facilitating more effective knowledge transfer from research laboratories to the general public. For several years, I have also been the coordinator of the PhD program in Psychology, Neuroscience, and Data Science at the University of Pavia. Additionally, I serve as Chair of the Ethics Committee of the Department of Brain and Behavioral Sciences. As a neurologist, I have been the Director of the Cognitive Neuropsychology Center at Niguarda Hospital in Milan for over twenty years. The center specializes in the assessment and rehabilitation of cognitive functions impaired by central nervous system disorders. I also serve as a reviewer for numerous scientific journals, including Brain, JAMA, and Nature Communications. Furthermore, I have been an Associate Editor for Neuroscience Letters for many years.</i>
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Descrizione Description:	I am delegate of the Rector for the Third Mission Activities - Public Engagement
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Descrizione Description:	I am associate Editor for Neuroscience Letters
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Descrizione Description:	I am the Director of the Cognitive Neuropsychology Centre at the Niguarda Hospital in Milan
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Descrizione Description:	I am the coordinator of the PhD program in Psychology, Neuroscience and Data Science at the University of Pavia.
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Descrizione Description:	I am the president of the Ethical Committee of the Department of Brain and Behavioral Science at the University of Pavia.
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DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI ULTIMI 10 ANNI IN TERMINI VALORIZZAZIONE DELLE CONOSCENZE (CON ANNESSO ELENCO DI MASSIMO 3 RISULTATI, RELATIVI ALLA PARTECIPAZIONE DEL CANDIDATO ALLE ATTIVITÀ DI VALORIZZAZIONE DELLE CONOSCENZE) / DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10 YEARS IN TERMS OF KNOWLEDGE VALORIZATION (WITH ATTACHED LIST OF MAXIMUM 3 RESULTS, RELATING TO THE CANDIDATE'S PARTICIPATION IN KNOWLEDGE VALORIZATION ACTIVITIES):

Descrizione Description:	
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Informazioni aggiornate alla data di candidatura 16-05-2025

Gabriella BOTTINI

Il presente curriculum costituisce allegato e parte integrante dell'incarico sottoscritto