

PERSONAL INFORMATION



Maddalena Beccherle

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Sex F | Date of birth 17/09/1992 | Nationality Italian

PRIVACY

(Art.15 of D.lgs. n. 33/2013)

In compliance with the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize the recipient of this document to use and process my personal details.

SELF-DECLARATION
AFFIDAVIT

(Art.47 and art.19 of D.P.R.
n. 445/2000)

I, the undersigned, Maddalena Beccherle, aware of the consequences of making false statements, falsehood of acts and use of false facts, punishable by law according to art. 76 D.P.R. n. 445/2000 and art. 496 of the Italian Penal Code, under my own responsibility declare that the information in this Curriculum Vitae including the information on the scientific production is true.

Verona, May 24th, 2023

WORK AND RESEARCH
EXPERIENCE

Present

Postdoctoral Research Fellowship, University of Verona

NPSY.Lab-VR, Department of Human Sciences, University of Verona, Verona (Italy)

05/2023

Orientation Course for Secondary School students, University of Verona

Department of Human Sciences, University of Verona, Verona (Italy)

Course: "Studiare il cervello per scoprire la mente: la neuropsicologia tra neuroscienze, psicologia e filosofia"

Lectures for secondary school students (15 hours)

- 11/2019 – 04/2023 **PhD Program in Cognitive, Social and Affective Neuroscience (CoSAN)**
Department of Psychology, La Sapienza University, Rome
Research Project: *Virtual pleasant touch perception and Interoceptive processes in chronic clinical conditions: Immersive Virtual Reality, behavioural and psychophysiological evidence on Fibromyalgia and Spinal Cord Injured patients.*
- 10/2022 – 11/2022 **Laboratory of Neuropsychology, University of Verona**
Department of Human Sciences, University of Verona (Italy)
Lectures for Bachelor's and Master's degree Courses on clinical neuropsychology (Frontal lessons and practical session; 18 hours)
- 12/2018- 10/2019 **Civil Service with severe acquired brain damages (traumatic brain injuries and stroke), Claudio Santi Medical Centre**
Centro Polifunzionale Don Calabria, Verona (Italy)
- Management, organization and planning of neuropsychological laboratories with acquired brain-injured patients and the rehabilitation unit personnel.
 - Clinical research on traumatic brain injuries and cerebrovascular patients.
- 11/2018- 09/2019 **Research Project (with research grant), University of Verona-NPSY.Lab-VR**
Department of Human Sciences, University of Verona (Italy)
Research Project "In Città in carrozzina" (research grant: 2.000,00 Euro)
Impact of visible and invisible barriers on the exploration of the city in spinal cord Injured patients
Analysis of literature, data collection
- 10/2018- 06/2019 **Research Project, University of Verona-NPSY.Lab-VR**
Department of Human Sciences, University of Verona (Italy)
Italian validation of the Geronto-Psychomotor Exam (Albaret, J. M., Michel, S., Soppelsa, R.)
Data collection in Alzheimer's Disease patients and healthy controls
- 04/2018-07/2018 **Research Project, University of Verona-NPSY.Lab-VR**
Department of Human Sciences, University of Verona (Italy)
Single case study project about Theory of Mind in TBI
Systematic review of the literature and meta-analysis
- 05/2018-07/2018 **Research Project, University of Verona-NPSY.Lab-VR**
Department of Human Sciences, University of Verona (Italy)
Research project investigating the possible integration of different body areas in peripersonal space representations (data collection in healthy participants)

PROFESSIONAL
EXPERIENCE27/04/2023 **PhD Dissertation in Cognitive, Social and Affective Neuroscience (CoSan)**

University of Rome "La Sapienza"

Prof. Salvatore Maria Aglioti, Rome (Italy)

Research project:

Virtual pleasant touch perception and Interoceptive processes in chronic clinical conditions: Immersive Virtual Reality, behavioural and psychophysiological evidence on Fibromyalgia and Spinal Cord Injured patients

Supervisor: Dr. Michele Scandola

10/2017- 10/2018 **Postgraduate Internship**

Laboratory of Neuropsychology (NPSY-Lab.VR), University of Verona (Italy)

Department of Human Sciences, University of Verona (Italy)

- Neuropsychological assessment and rehabilitation in traumatic brain injury, cerebrovascular disease c/o Physic Medicine and Rehabilitation Unit, IRCCS Sacro Cuore -Don Calabria, Negrar, Verona (Italy).
- Neuropsychological laboratories with neurologic patients (traumatic brain injuries, stroke and dementia) and rehabilitation personnel
- Neuropsychological assessment and cognitive stimulation in Alzheimer's Disease and Dementia c/o CEMS Medical Centre, Verona (Italy)
- Data collection for the Italian Validation of a neuropsychological screening test with Alzheimer's Disease patients and healthy controls
- Research activity in clinical and experimental neuropsychology.
- Qualitative and quantitative literature research about Theory of Mind in TBI (seminar held "Theory of Mind in Traumatic brain injury")

Supervisor: Dr. Michele Scandola

10/2015- 02/2016 **Undergraduate Internship – Master's Degree**

Multiple Sclerosis Centre, Department of Neurological Sciences and Movement, Neurology Section, University of Verona (Italy)

UOC Neurologia B, Policlinico G. Rossi Borgo Roma, Verona

Neuropsychological assessment in Multiple Sclerosis patients (MS) and Research activity in clinical and experimental neuropsychology.

Supervisor: Dr. Marco Pitteri

02/2014-09/2014

Undergraduate Internship - Bachelor's Degree

Functional Rehabilitation Unit, Department of Neurological Sciences and Movement, Neurology Section, University of Verona (Italy)

Policlinico G. Rossi di Borgo Roma, Verona

Neuropsychological assessment and rehabilitation in neurodegenerative disease and Cerebrovascular disease

Cognitive stimulation in Alzheimer disease and patients with Mild Neurocognitive disorders.

Research project about the effects of physical and cognitive activity in AD patients and patients with mild NCD.

Supervisor: Dr. Cristina Fonte

EDUCATION AND TRAINING

19/01/2019

Licensed Psychologist

University of Padova, Padova (Italy)

Licensed Psychologist, n. 11283, Ordine degli Psicologi del Veneto, Italy

10/2011- 04/2017

Master's Degree in Neuroscience and Neuropsychological Rehabilitation (110/110 with honour)

School of Psychology, University of Padova, Padova (Italy)

Thesis: False Memories in Multiple Sclerosis Patients: a preliminary investigation.

Supervisor: Prof. Daniela Mapelli

10/2011- 09/2014

Bachelor's Degree in Psychological, Cognitive and Psychobiological Science (109/110)

School of Psychology, University of Padova, Padova (Italy)

Thesis: Effects of physical and cognitive activity in patients with MCI and mild to moderate Alzheimer's Dementia.

Supervisor: Prof. Daniela Mapelli

09/2006- 07/2011

High School Diploma Liceo Classico

Liceo Ginnasio Statale Scipione Maffei, Verona

PERSONAL SKILLS

Mother tongue Italian

Foreign Language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken Interaction	Spoken Production	
B2	B2	B2	B2	B2
FCE-B2 - Cambridge University				

Digital skills

SELF-ASSESSMENT				
Information Processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Independent user

ADDITIONAL INFORMATIONS

Laboratory And Skills

- Independent in neuropsychological assessment and good knowledge of neuropsychological tests
- Management of neuropsychological laboratories and cognitive stimulation sessions with neurologic patients
- Theoretical and practical (laboratories) formative activities with neuropsychology and rehabilitation teams' personnel
- Principles of Matlab and R softwares
- EEG montage and recording
- Psychophysiological recordings
- Basic knowledge of MRICron and BCB-Toolkit
- Good knowledge of OpenSesame software and Python scripting
- Expert knowledge of the Pubmed, Scopus and Google Scholar research engines

Publications

Scandola, M., Beccherle, M., Togni, R., Caffini, G., Ferrari, F., Aglioti, S. M., & Moro, V. (2023, May 24). A study of the observation of pain by spinal cord injured people reveals the topographic mapping of the sensorimotor qualities of empathic reactivity. Retrieved from psyarxiv.com/nx3ps. doi: 10.31234/osf.io/nx3ps

Pyasik M, Beccherle M, Faraoni F, Pezzetta R, Moro V (2023). Effects of the social context on the neurophysiological correlates of observed error monitoring. *Neuropsychologia*, 181, 108503. <https://doi.org/10.1016/j.neuropsychologia.2023.108503>

Pacella V, Scandola M, Bà M, Smania N, Beccherle M, Rossato E, Volpe D, Moro V (2022). Time In Action: Temporal Judgments of Actions Following unilateral brain damage. *Scientific Reports*, 12, 21668 (2022). <https://doi.org/10.1038/s41598-022-26070-9>

Beccherle, M., Facchetti, S., Villani, F., Zanini, M., & Scandola, M. (2022). Peripersonal Space from a multisensory perspective: the distinct effect of the visual and tactile components of Visuo-Tactile stimuli. *Experimental Brain Research*, 10.1007/s00221-022-06324-8. <https://doi.org/10.1007/s00221-022-06324-8>

Moro V, Facci E, Beccherle M, Scandola M, (2022). Una città in carrozzina: fragilità e risorse per la mobilità delle persone con disabilità motoria. *Fragilità contemporanee. Fenomenologie della violenza e della vulnerabilità* (Mimesis Editore)

Pacella V, Scandola M, Beccherle M, Bulgarelli C, Avesani R, Carbognin G, Agostini G, Thiebaut de Schotten M, Moro V (2020). Anosognosia for Theory of Mind deficits: a single case study and a review of the literature. *Neuropsychologia*, 148. <https://doi.org/10.1016/j.neuropsychologia.2020.107641>

Pitteri M, Vannucci, M., Ziccardi, S., Beccherle, M., Semenza, C., & Calabrese, M. (2020). False memories in relapsing remitting multiple sclerosis patients: A preliminary investigation with the DRM paradigm. *Multiple sclerosis and related disorders*, 37, 101418. <https://doi.org/10.1016/j.msard.2019.101418>

Grants

Avvio alla Ricerca 2020, Sapienza, University of Rome, Italy

Talks

07/10/2022 "Rappresentazione visuo spaziale di sé e dell'ambiente nello Spazio", XXXII Congresso Associazione Italiana Medicina Aeronautica e Spaziale -AIMAS, Reggio Calabria

29/09/2022 "Virtual social touch on embodied avatars in patients with Fibromyalgia", XXX Congresso Nazionale Associazione Italiana di Psicologia -AIP, Padova

09/09/2022 "Virtual pleasant touch and pain modulation in patients with Fibromyalgia", Body Representation Network 4 – BRNet4, Sion (poster presentation)

22/08/2022 "Error recognition in stroke patients: the role of perspective and social context", 5th FESN Summer School, Freie Universität Berlin, Berlin (poster presentation)

09/04/2022 "Il riconoscimento dell'errore nel paziente con cerebrolesione", Approccio riabilitativo multidisciplinare al deficit cognitivo nella demenza e nell'ictus, Centro Riabilitativo Veronese, Marzana, Verona

16-18/03/2022 "Virtual social touch on embodied avatars in patients with Fibromyalgia", 9th MindBrainBody (MBB) Symposium 2022, Max Planck Institute, Leipzig, Germany (Virtual)

12/11/2021 "interoception and Corporeal Awareness in Spinal Cord Injury: The Embreathment illusion", 7th Annual Meeting of the SCI – Research group Body awareness and motor representations in SCI rehabilitation, University of Verona, Verona, Italy

12/10/2021 Error recognition in stroke patients: the role of perspective and social context: preliminary behavioural and neurophysiological data. University of Verona, Verona, Italy

22/09/2021 Interoception in chronic diseases. Sapienza University, Rome, Italy

08/09/2021 "Error recognition in stroke patients: the role of perspective and social context", XXII Congresso Nazionale Associazione Italiana Psicologia- Sezione Sperimentale (AIP2021)

02/07/2021 1) The emerging science of interoception: sensing, integrating, interpreting, and regulating signals within the self; 2) Interoception and corporeal awareness in Spinal Cord Injury: The Embreathment illusion, University of Verona, Verona, Italy

25/11/2020 "Understanding the influence of interoception on corporeal awareness in clinical populations: immersive virtual reality, psychophysiological and behavioural studies, Sapienza University, Rome, Italy

Summer School

22/08/2022 – 26/08/2022 5th FESN Summer School, Freie Universität Berlin, Berlin, Germany

31/05/2021 – 05/06/2021 "2nd Bayesian Statistical Analyses for the Human, social and cognitive sciences", University of Verona, Verona, Italy.

03-07/06/2019 "Bayesian Statistical Analyses for the Human, social and cognitive sciences", University of Verona, Verona, Italy.

Conferences and seminars

02/02/2023 8th Annual Meeting of the Spinal Cord Injury Research Group - From the sensorimotor system to cognition, University of Verona, Verona, Italy

27/09/2022 – 29/09/2022: XXX Congresso Nazionale Associazione Italiana di Psicologia -AIP, Padova, Italy

09/09/2022: Body Representation Network 4 – BRNet4, Sion, Switzerland

22/08/2022 – 28/08/2022: 5th FESN Summer School, Freie Universität Berlin, Berlin, Germany

16-18/03/2022: 9th MindBrainBody(MBB) Symposium 2022, Max Planck Institute, Leipzig, Germany (Virtual)

12/11/2021: 7th Annual Meeting of the SCI – Research group Body awareness and motor representations in SCI rehabilitation, University of Verona, Verona, Italy

08/09/2021: XXII Congresso Annuale Associazione Italiana di Psicologia Sperimentale (AIP2021)

16/07/2021: Body Representation: a review of the literature, University of Verona, Verona, Italy

12/07/2021: BRNet 3: the changing body (online)

02/11/2020: 6th Annual Meeting SCI Research Group Platform – *My mind is stronger than my spine: cognition as a rehabilitative tool in SCI*, University of Verona, Verona, Italy

04/09/2020: XXI Congresso Nazionale Associazione Italiana di Psicologia sperimentale (AIP2020)