

## 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)

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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)

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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, October 1<sup>st</sup>, 2021



## CURRENT POSITION

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PhD Program in Cognitive, Social and Affective Neuroscience (CoSAN)

*Department of Psychology, La Sapienza University, Roma*

*Department of Human Sciences, University of Verona, Verona*

## WORK EXPERIENCE

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12/2018- 10/2019 **Civil Service with severe acquired brain damages (TBI and stroke),  
Claudio Santi Medical Centre, Centro Polifunzionale Don Calabria, Verona (Italy)**

## RESEARCH EXPERIENCE

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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 EXPERIENCE

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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, Don Calabria Hospital, Verona (Italy).
- 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
- 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

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

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

12/11/2021 "Interoception and Corporeal Awareness in Spinal Cord Injury: The Embreathment illusion", 7<sup>th</sup> 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

31/05/2021 – 05/06/2021 "2<sup>nd</sup> 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

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

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

13/09/2021: The neglected personal neglect, 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)

05/07/2021: Revermead Behavioural Memory Test 3, University of Verona, Verona, Italy

02/07/2021: Annual NPSY.Lab-VR Update: The emerging science of interoception, University of Verona, Italy

21/06/2021: What's so special about touch? A multidimensional approach to study social touch, University of Verona, Verona, Italy

07/06/2021: The Motor Unawareness Assessment, University of Verona, Verona, Italy

24/05/2021: Complexity analysis in the assessment of dementias. The Dementia Network Project, University of Verona, Verona, Italy

10/05/2021: The neglected personal neglect, University of Verona, Verona, Italy

06/05/2021: The new PRISMA 2020 Guidelines, University of Verona, Verona, Italy

30/04/2021: Neuroscience Goes social 4.0 (Sapienza University, Rome, Italy)

26/04/2021: Prism adaptation intervention in neglect rehabilitation: a review, University of Verona, Italy

12/04/2021: Social cognition deficits as cognitive markers in dementia, University of Verona, Verona, Italy

29/03/2021: Story-based Empathy task (SET): a novel task assessing intention and emotion attribution, University of Verona, Verona, Italy

01/03/2021: Hot and Cold: the relationship between body temperature and body ownership, University of Verona, Verona, Italy

15/02/2021: Using machine learning-based lesion behaviour mapping to identify anatomical networks, University of Verona, Verona, Italy

01/02/2021: Brain networks: a - hopefully - kind introduction, University of Verona, Verona, Italy

18/01/2021: Measuring Neglect: towards a standard statistical procedure. The intricate Accuracy/Speed

problem: bivariate diagnosis in the Tower of London, University of Verona, Verona, Italy

21/12/2020: An introduction to EEG analysis for clinical research: from basic preprocessing to advances methods, University of Verona, Verona, Italy

14/12/2020: The effects of vagus nerve stimulation on vagal pain modulation, University of Verona, Verona, Italy

09/12/2020: Owing my body, moving my body: how body ownership affects motor awareness, University of Verona, Verona, Italy

23/11/2020: New frontiers in lesion analysis, University of Verona, Verona, Italy

02/11/2020: 6<sup>th</sup> 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

12/10/2020: Bayesian Multilevel Single Case Models in Stan, University of Verona, Verona, Italy

28/09/2020: The Brentano Illusion Test, University of Verona, Verona, Italy

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

03/07/2020: Presentation and discussion of papers (Downey et al., 2020; Karunakaran et al., 2020), University of Verona, Verona, Italy

18/06/2020: Somatosensation (presentation and discussion of papers), University of Verona, Verona, Italy

25/05/2020: Body Representation (presentation and discussion of papers), University of Verona, Verona, Italy

15/05/2020: White matter variability, cognition, and disorders: a systematic Review, University of Verona, Verona, Italy

30/04/2020: Sample Size computation, University of Verona, Verona, Italy

21/04/2020: Vestibular contributions to the Sense of Body, Self and Others, Others, University of Verona, Verona, Italy

20/03/2020: Temporal discrimination in stroke, University of Verona, Verona, Italy

28/02/2020: Neuroscience goes Social 3<sup>rd</sup> edition, Sapienza University, Rome

11/02/2020: Women with Fibromyalgia: illness experience, University of Verona, Verona, Italy

23/01/2020: mapping the Premotor Cortex with TMS during grasping movements, University of Verona, Verona, Italy

14-28/01/2020 – 05/02/2020: An updating on new methods for lesional studies: Lesymap, analyses of brain disconnection- BCB Toolkit (theoretical seminar with hands-on sessions), University of Verona, Verona, Italy

23/11/2019: 4<sup>th</sup> Annual meeting SCI-Research Group Platform: Interoception and Rehabilitation in Spinal Cord Injury”, University of Verona, Verona, Italy

16/11/2019 “Ventunesima giornata Nazionale del Trauma Cranico: Anatomia di un ritorno alla vita dopo un grave trauma cranico”, Bergamo, Italy

07/11/2019 : Cognition in SCI, University of Verona, Verona, Italy

25/10/2019 “Mens Sana in corpore sano: comprendere la mente attraverso il corpo”, University of Verona, Italy

24/10/2019 “Updating in PPS”, University of Verona, Verona, Italy

08/04/19 “Opercular Syndrome”, University of Verona, Verona, Italy

18/03/19 “Body and cognition-neuropsychology and brain damage in Spinal Cord Injury”, University of Verona, Verona, Italy