

## *Veronica Mazza ( February 2019)*

---

### **PERSONAL DATA**

Affiliations                      Center for Mind/Brain Sciences (CIMEC)  
University of Trento

Contacts                            C.so Bettini 31 – 38068 Rovereto (TN), Italy  
Telephone: +39 0464-808664  
Email: [veronica.mazza@unitn.it](mailto:veronica.mazza@unitn.it)  
<https://r1.unitn.it/apa/>

---

### **EDUCATION**

2003- 2006                        PhD in Cognitive Science, University of Padova, Italy. Supervisors: Dr. Carlo Umiltà, Dr. Martin Eimer

2003- 2004                        Visiting post-graduate student, Birkbeck College, University of London, UK. Supervisor: Dr. Martin Eimer

2001-2002                        Training in Experimental and Clinical Neuropsychology- University of Padova and Treviso Hospital, Italy

2001                                 Degree (with honors) in Experimental Psychology (five years degree), University of Padova, Italy. Supervisor: Dr. Carlo Umiltà

---

### **PROFESSIONAL POSITIONS and ACHIEVEMENTS**

2018-present                      National Scientific Habilitation for full professorship (M-PSI/02)

2015-present                      Associate Professor of Psychobiology, Center for Mind/Brain Sciences (CIMEC), University of Trento.

2008- 2014                        Assistant Professor of Psychobiology, Faculty of Cognitive Science and Center for Mind/Brain Sciences (CIMEC), University of Trento.

2006-2008  
(March)                            Post-Doctoral Research Fellow, Department of Cognitive Sciences and (April- Education and CIMEC, University of Trento, Italy.

### **Other Professional Experience**

2014                                Visiting fellow, Center for Advanced Studies, Ludwig-Maximilian (October-November) University of Munich, Germany.

2008                                Visiting scientist, Cognitive Neuropsychology Lab, Harvard University, (April-July) USA.

2005 –2006                      Research contract to set up EEG Laboratory, Department of Cognitive  
(November-March)          Sciences and Education, University of Trento, Italy.

2005                                Research fellow, Birkbeck College, University of London, UK.  
(October-November)

---

## **RESEARCH INTERESTS**

### **Areas**

Visual Perception, Attention, Aging and Human Electrophysiology

### **Specific Topics**

In my research I try to understand how the visual system selectively individuates and identifies the relevant objects presented in a cluttered scene. I address this question mainly through electrophysiological and behavioral measures in human adults. Some specific questions I am currently addressing:

- How does the visual system selectively individuate the relevant objects in a cluttered scene? Does selection occur through target enhancement or distractor suppression?
- How does multiple object processing change in aging? Can we improve this ability in healthy aging? If so, how?
- Does multiple target individuation operate in a mandatory fashion, or is it a flexible mechanism that depends on task demands? What is the impact of perceptual factors on this mechanism?
- What is the interplay between the individuation and identification mechanisms during the execution of different tasks? What are their spatio-temporal brain dynamics?

### **Current Collaborations**

- IRCSS Fatebenefratelli Brescia, Italy- Dr. Debora Brignani
- University of Leipzig, Germany- Dr. Matthias Muller
- University of Birmingham, UK- Dr. Sara Asseondi
- National Research University Higher School of Economics, Moscow, Russia- Dr. Elena Gorbunova
- Lyon Neuroscience Center, University Claude Bernard Lyon I, France-Dr. Emiliano Macaluso

---

## **PUBLICATIONS**

Mazza, V, & Zampini, M. (2018). Percezione e Attenzione. In M. Turatto (Ed) *Manuale di Psicologia Generale*. Mondadori: Milano.

Brignani, D., Bagattini, C, & Mazza, V. (2018). Pseudoneglect is maintained in aging but not in mild Alzheimer's disease: new insights from an enumeration task. *Neuropsychologia*, 11, 276-283. Doi: 10.1016/j.neuropsychologia.2018.02.008.

Perna, F., Pavani, F., Zampini, M., & Mazza, V. (2018). Behavioral Dynamics of Rhythm and Meter Perception: The Effect of Musical Expertise in Deviance Detection. *Timing and Time Perception*, 6, 32-53. Doi: 10.1163/22134468-00002100.

Bagattini, C., Mazza, V., Panizza, L., Ferrari, C., Bonomini, C., & Brignani, D. (2017). Neural Dynamics of Multiple Object Processing in Mild Cognitive Impairment and Alzheimer's Disease:

Future Early Diagnostic Biomarkers? *Journal of Alzheimer's disease*, 59, 643-654. doi: 10.3233/JAD-161274.

Mazza, V. (2017). Simultanagnosia and object individuation. *Cognitive Neuropsychology*, 34, 430-439. DOI: 10.1080/02643294.2017.1331212

Mazza, V., & Pagano, S. (2017). Electroencephalographic asymmetries in human cognition. In G. Vallortigara and L. Rogers (Eds) *Lateralized Brain Functions: Methods in Human and Non-Human Species* (pp.407-439). Neuromethods Series, Springer: New York City.

Poncet, M., Caramazza, A., & Mazza, V. (2016). Individuation of objects and object parts rely on the same neuronal mechanism. *Scientific Reports*, 6, 38434.

Pagano, S., Fait, E., Brignani, D., & Mazza, V. (2016). Object individuation and compensation in healthy aging. *Neurobiology of Aging*, 40, 145-54.

Ruzzoli, M., Pirulli, C., Mazza, V., Miniussi, C., & Brignani, D. (2016). The mismatch negativity as an index of cognitive decline for the early detection of Alzheimer's disease. *Scientific Reports*, 6, 33167. doi: 10.1038/srep33167.

Tollner, T., Conci, M., Muller, H.J., & Mazza, V. (2016). Attending to Multiple Objects Relies on Both Feature- and Dimension-based Control Mechanisms: Evidence from Human Electrophysiology. *Attention, Perception & Psychophysics*, 78, 2079-2089.

Mazza, V., & Brignani, D. (2016). Electrophysiological advances on multiple object processing in aging. *Frontiers in Aging Neuroscience*, 8, 46, doi:10.3389/fnagi.2016.00046.

Porter, K.B., Mazza, V. Garofalo, A., & Caramazza, A. (2016). Visual object individuation occurs over object wholes, parts, and even holes. *Attention, Perception & Psychophysics*, DOI 10.3758/s13414-016-1064-0.

Pagano, S., & Mazza, V. (2016). Individual differences in perceptual abilities predict target visibility during masking. *European Journal of Neuroscience*, 43, 933-941.

Pagano, S., Fait, E., Monti, A., Brignani, D., & Mazza, V. (2015). Electrophysiological correlates of subitizing in healthy aging. *PLoS ONE*, 10, e0131063.

Mazza, V., & Caramazza, A. (2015). Multiple object individuation and subitizing in enumeration: a view from electrophysiology. *Frontiers in Human Neuroscience*, 9, 162.

Pagano, S., Lombardi, L., & Mazza, V. (2014). Brain dynamics of attention and working memory engagement in subitizing. *Brain Research*, 1543, 244-252.

Munneke, J., Fait, E., & Mazza, V. (2013). Attentional processing of multiple targets and distracters. *Psychophysiology*, 50, 1104-8.

Mazza, V., Pagano, S., & Caramazza, A. (2013). Multiple object individuation and exact enumeration. *Journal of Cognitive Neuroscience*, 25, 697-705.

Pagano, S., & Mazza, V. (2013). Multiple object individuation during numerical Stroop. *Psychophysiology*, 50, 292-296.

Mazza, V., & Caramazza, A. (2012). Perceptual grouping and visual enumeration. *PLoS ONE*, 7, e50862.

Pagano, S., & Mazza, V. (2012). Individuation of multiple targets during visual enumeration: new insights from electrophysiology. *Neuropsychologia*, 50, 754–761.

Mazza, V., Dallabona, M., Chelazzi L., & Turatto, M. (2011). Cooperative and Opposing Effects of Strategic and Involuntary Attention. *Journal of Cognitive Neuroscience*, 23, 2838-51.

Mazza, V., & Caramazza, A. (2011). Temporal brain dynamics of multiple object processing: the flexibility of individuation. *PLoS ONE*, 6, e17453.

Mazza, V., Turatto, M., & Caramazza, A. (2009). Attention selection, distractor suppression and N2pc. *Cortex*, 45, 879-890.

Mazza, V., Turatto, M., & Caramazza, A. (2009). An electrophysiological assessment of distractor suppression in visual search. *Psychophysiology*, 46, 771-775.

Mazza, V. (2008). Correlati elettrofisiologici dei meccanismi attentivi in compiti di ricerca visiva (Electrophysiological correlates of attention mechanisms during visual search tasks). In R. Nicoletti, E. Ladavas, & P. Tabossi, *Attenzione e Cognizione* (pp. 93-101). Il Mulino (Bologna), Italy.

Galfano, G., Mazza, V., Tamè, L., Umiltà, C., & Turatto, M. (2008). Change detection evokes a Simon-like effect. *Acta Psychologica*, 127, 186-196.

Mazza, V., Turatto, M., Umiltà, C., & Eimer, M. (2007). Attentional selection and identification of visual objects are reflected by distinct electrophysiological responses. *Experimental Brain Research*, 181, 531-536.

Mazza, V., Turatto, M., Rossi, M., & Umiltà, C. (2007). How automatic are audiovisual links in exogenous spatial attention? *Neuropsychologia*, 45, 514-522.

Mazza, V., Turatto, M., & Sarlo, M. (2005). Rare stimuli or rare changes: what really matters for the brain? *NeuroReport*, 16, 1061-1064.

Eimer, M., & Mazza, V. (2005). Electrophysiological correlates of change detection. *Psychophysiology*, 42, 328-342.

Mazza, V., Turatto, M., & Umiltà, C. (2005). Foreground-background segmentation and attention: A change blindness study. *Psychological Research*, 69, 201-210.

Turatto, M., Mazza, V., & Umiltà, C. (2005). Crossmodal object-based attention: Auditory objects affect visual processing. *Cognition*, 96, B55-B64.

Mazza, V., & Turatto, M. (2005). I potenziali evento-relati (Event-related Potentials). In C. Bonfiglioli & U. Castiello, *Metodi di indagine in neuroscienze cognitive* (pp. 1-29). Piccin (Padova), Italy.

Turatto, M., & Mazza, V. (2004). Behavioral and electrophysiological correlates of change blindness. *International Journal of Computational Cognition*, 2, 85-113.

Turatto, M., Mazza, V., Savazzi, S., & Marzi, C.A (2004). The role of the magnocellular and parvocellular systems in the redundant target effect. *Experimental Brain Research*, 158, 141-150.

Galfano, G., Mazza, V., Angrilli, A., & Umiltà, C. (2004). Electrophysiological correlates of stimulus-driven multiplication facts retrieval. *Neuropsychologia*, 42, 1370-1382.

Mazza, V., & Turatto, M. (2003). Change blindness e organizzazione figura-sfondo. *Giornale Italiano di Psicologia*, 30, 355-368.

Turatto, M., Angrilli, A., Mazza, V., Umiltà, C., & Driver, J. (2002). Looking without seeing the background change: electrophysiological correlates of change detection versus change blindness. *Cognition*, 84, B1-B10.

---

**CONFERENCE PRESENTATIONS (2010-present): talks, invited talks and posters**

- Bagattini, C., Mazza, V., Ferrari, C., and Brignani, D. (2018). Connectivity alterations underlying the breakdown of pseudoneglect in Alzheimer's disease. SIFP, Società Italiana di Psicofisiologia 2018.
- Brignani, D., Piercarli, M., Panizza, L., Mazza, V., & Miniussi, C. (2018). tES and alertness in aging. SIFP, Società Italiana di Psicofisiologia 2018.
- Tagliabue, C.F., Cristoforetti, G., Brignani, D., & Mazza V. (2018) Age-related redistribution of processing resources influences visual working memory content. Sepex, Sepneca and AIP Experimental Joint Conference.
- Tagliabue, C.F., Mazza, V. (2018) Bilateral field presentation modulates subitizing. 41th European Conference on Visual Perception (ECVP).
- Vaes, J., Cristoforetti, G., Ruzzante, D., Cogoni, C., & Mazza V. (2018). Sexual objectification beyond the metaphor: Comparing neural responses between objectified human targets and real objects. Association for Psychological Science 2018 (talk at symposium).
- Perna, F., Pavani, F., & Mazza, V. (2017). Musical long-term training and auditory detection. International Convention of Psychological Science 2017.
- Tagliabue, C.F., Cristoforetti, G., Brignani, D., & Mazza, V (2017). Age-related influences of distractor processing on visual working memory content. European Conference on Visual Perception.
- Bogdanov, V.B., Bordier, C., Mazza, V., & Macaluso, E. (2017). Fronto-parietal EEG inter-subjects synchronization during watching of naturalistic videos predicts subsequent memory recall. Society for Neuroscience.
- Perna, F., Pavani, F., & Mazza, V. (2017). Orienting attention in time: cue modality and musical expertise. Rhythm Production and Perception Workshop 2017.
- Perna, F., Zampini, M., & Mazza, V. (2016). Rhythm perception and musical expertise. Cognition and Evolution Workshop 2016.
- Mazza, V. (2016). Multiple object individuation and aging. International Meeting of the Psychonomic Society 2016 (**talk at symposium**).
- Perna, F., Zampini, M., & Mazza, V. (2016). Behavioral dynamics of rhythm perception: the effect of musical expertise. International Meeting of the Psychonomic Society 2016.
- Perna, F., Zampini, M., Pavani, F., & Mazza, V. (2016). Deviance detection in musicians. Cognitive Science Arena 2016 (**talk**).
- Bagattini C., Panizza L., Miniussi C., Mazza V, Brignani, D. (2015). Multiple object processing in Alzheimer's disease: behavioural and electrophysiological evidence. Rovereto Attention Workshop 2015.

- Pagano, S., Fait, E., Brignani, D., & Mazza, V. (2015). Object individuation and compensation in healthy aging. Rovereto Attention Workshop 2015.
- Bagattini, C., et al. (2015). Multiple object processing in Alzheimer's disease: behavioural and electrophysiological evidence. Italian Society for Psychophysiology Meeting.
- Poncet, M., Caramazza, A., & Mazza, V. (2015). Individuation of objects and object parts rely on the same neuronal mechanism. European Conference of Visual Perception (**talk**).
- Pagano, S., Fait, E., Brignani, D., & Mazza, V. (2015). Brain plasticity in healthy aging during multiple object perception. Human Brain Mapping 2015.
- Mazza, V., Pagano, S., Fait, E., Monti, A., Brignani, D. (2015). Enumeration in the old brain. Human Brain Mapping 2015.
- Pagano, S., Fait, E., Monti, A., Brignani, D., & Mazza, V. (2015). Multiple object processing in healthy aging. Workshop on lateralized attention in the brain. Center for Advanced Studies, Ludwig Maximilians University of Munich.
- Mazza, V., & Pagano, S. (2014). Individual differences in masking sensitivity predict enumeration abilities. European Conference on Visual Perception 2014.
- Pagano, S., Fait, E., Monti, A., Brignani, D., & Mazza, V. (2014) Neural correlates of age-related changes during multiple object processing. SIPF, Società Italiana di Psicofisiologia 2014.
- Pagano, S., & Mazza, V. (2014). Enumeration abilities in healthy aging. European Conference on Visual Perception 2014 (**talk**).
- Pagano, S., Fait, E., Monti, A., Brignani, D., & Mazza, V. (2014). Neural correlates of multiple object processing in healthy aging. FENS 2014 Forum of Neuroscience.
- Mazza, V., Pagano, S., & Caramazza, A. (2014). Multiple levels of representation in multiple target processing. ESCAN 2014 – European Society for Cognitive and Affective Neuroscience (**invited talk at symposium**).
- Fait, E., Pagano, S., Brignani, D., & Mazza, V. (2014). Object individuation and plasticity in aging. Cognition and Evolution Workshop 2014.
- Pagano, S., Lombardi, L., & Mazza, V. (2013). An electrophysiological assessment of the role of visual working memory in subitizing. 53rd Annual Meeting of the Society for Psychophysiological Research.
- Mazza, V., Pagano, S., & Caramazza, A. (2013). N2pc and multiple target individuation. 53rd Annual Meeting of the Society for Psychophysiological Research (**invited talk at symposium**).
- Pagano, S., Fait, E., Monti, A., Brignani, D., & Mazza, V. (2013). Brain dynamics of multiple object processing in healthy aging. Rovereto Attention Workshop 2013.
- Munneke, J., Fait, E., & Mazza, V. (2013). Attentional processing of multiple targets and distracters. 53rd Annual Meeting of the Society for Psychophysiological Research.
- Fait, E., Pagano, S., Caramazza, A., & Mazza, V. (2013). Subitizing within and between objects. Rovereto Attention Workshop 2013.
- Porter, K.B., Garofalo, A., Mazza, V., & Caramazza, A. (2013). Subitizing occurs across features of a single object. 2013 meeting of the Vision Sciences Society.
- Pagano, S., & Mazza, V. (2012). Electrophysiological correlates of multiple object processing in the absence of awareness. European Conference on Visual Perception 2012.
- Pagano, S., & Mazza, V. (2012). Do you see what I mean? Electrophysiological assessment of semantic interference during multiple target individuation. Rovereto Workshop on Concepts, Actions and Objects 2012.
- Pagano, S.\*, & Mazza, V. (2012). Neural correlates of multiple object individuation in the absence of awareness. 2012 meeting of the Vision Sciences Society.
- Mazza, V., Pagano, S., & Caramazza, A. (2012). Multiple target individuation with and without distracters. 2012 meeting of the Vision Sciences Society.
- Pagano, S., & Mazza, V. (2011). Electrophysiological evidence for the role of individuation and visual working memory in quantity estimation. Cognitive Neuroscience Society meeting 2011.

- Mazza, V., & Caramazza, A. (2011). The flexibility of individuation in multiple object processing. Cognitive Neuroscience Society meeting 2011 (**talk**).
- Assecondi, S., Bianchi, A.M., Buiatti, M., Ferrari, P., Mazza, V., Schwarzbach, J., & Jovicich, J. (2010). A nonlinear template-based approach for BCG artifact removal in EEG-fMRI recordings at high fields. Human Brain Mapping meeting.
- Pagano, S., & Mazza, V. (2010). Correlati elettrofisiologici dei meccanismi di individuazione ed identificazione. Congresso Nazionale dell'Associazione Italiana di Psicologia, Sezione di Psicologia Sperimentale.
- Assecondi, S., Bianchi, A.M., Ferrari, P., Mazza, V., Schwarzbach, J., & Jovicich, J. (2010). Optimization of BCG artifact removal for single-trial EEG-fMRI recordings at 4 T. IV European Conference of Medical Physics.

*\*Winner of the 2012 VSS Student Award*

---

## **TEACHING AND SUPERVISION**

### **Teaching- Main courses**

#### Undergraduate

2008-present	Perception and Attention (9 CFU) Department of Psychology and Cognitive Science, University of Trento, Italy
2015-present	Advanced Topics in Perception and Attention (6 CFU); co-teaching CIMEC, University of Trento
2016-2017	Independent Studies (6 CFU); co-teaching CIMEC, University of Trento
2015-2017	Cognitive Psychology (6 CFU); co-teaching CIMEC, University of Trento

#### Graduate

2009-present	EEG Methods in Cognitive Neuroscience (1.5 CFU) PhD School in Cognitive and Brain Sciences, University of Trento, Italy
--------------	--

### **Supervision**

#### Undergraduate students

**University of Trento:**  
 Alberto Morandi (2008-2009)  
 Eugenio Chiappa (2009-2010)  
 Veronica Cerquettini (2009-2010)  
 Fatma Zehra Keskin (2011-2013)  
 Francesca Perna (2013-2014)  
 Manuela Bosetti (2013-2014)  
 Elisa Santuliana (2013-2014)  
 Giulio Pilotto (2014-2015)  
 Anna Mirto (2014)  
 Elisa Turrini (2014-2015)  
 Francesco De Benedetto (2014-2015)  
 Alessia Giordani (2014-2015)

Giulia Poletti (2014-2015)  
 Romina Esposito (2015)  
 Desiree Ciresola (2015)  
 Sara Boci (2015-2016)  
 Camilla Basso (2015-2017)  
 Anita Lovatini (2016-2017)  
 Federica Platania (2016-2017)  
 Pietro Mingardi (2016-2017)  
 Samuele Ghezzi (2017-2018)  
 Giulia Mastrodomenico (2017-present)  
 Denise Tarantino (2017-2018)  
 Giulia Despini (2017-2018)  
 Luca Filippo (2018)  
 Joseph Gabriele (2018-present)  
 Annamaria Rizzinelli (2018-2019)

**Other Universities:**

Philippe Katz, University of Brest, France (2010-2011)  
 Julio Cesar Nieto Hernández, Un. del Estado de Morelos, México (2015)  
 Max Paulus, Universität des Saarlandes, Germany (co-supervision, 2016-2017)

Research Assistants Anna Dal Molin (2009-2011)  
 Elisa Fait (2011-2015)

Internships Giulia Cristoforetti (2016-2017)

PhD students Silvia Pagano, University of Trento (2009-2012)\*  
 Shady Rahayel, Université du Québec à Montréal (visiting- 2013)  
 Francesca Perna, University of Trento (2014-2017)

*\*Winner of the “2014 Best Doctorate Award” of the University of Trento*

Post-doctoral fellows Silvia Pagano, University of Trento (2013-2015)  
 Chiara Bagattini, IRCSS Fatebenefratelli Brescia (co-supervision; 2014-2015)  
 Marlene Poncet, University of Trento (co-supervision: 2015)  
 Chiara Tagliabue, University of Trento (2016-present)

---

***PROFESSIONAL ACTIVITIES***

**University Service**

2016-present Vice Coordinator of the PhD Program in Cognitive and Brain Sciences, CIMEC, University of Trento

2013-present Coordinator of the Experimental Psychology Labs, CIMEC, University of Trento

2013-present Member of the CIMEC Executive Board, University of Trento

2012-present CIMEC delegate for Internship activities, University of Trento



2012-2018	Faculty Coordinator of the Doctoral School Day (1 CFU) PhD School in Cognitive and Brain Sciences, University of Trento, Italy
2010-present	Member of the Executive Committee of the PhD School in Cognitive and Brain Sciences, CIMEC, University of Trento
2011-2016	Co-organizer of the Educational Labs (co-funded by the Autonomous Province of Trento, Rovereto), University of Trento. Research Laboratories dedicated to high-school students
2010-2016	Member of the “Premio Graziola” evaluation committee, University of Trento and FBK, Trento
2008-present	Contact researcher for the EEG Laboratory, CIMEC, University of Trento
2008-present	Member of the PhD School in Cognitive and Brain Sciences, CIMEC, University of Trento
2019	Member of the PhD examination committee, University of Verona
2018	External reviewer, PhD examination committee, University of Auckland
2018	Member of the PhD dissertation committee, University of Padova
2018	Member of the PhD dissertation committee, University of Verona
2013	Member of the PhD dissertation committee, University of Padova

### **Grant review panels**

2014 Marie Curie Actions- Incoming Fellowship Programme

### **Editorial activity**

Reviewing Editor

2016-present Frontiers in Psychology

Ad-hoc Journal

Reviewing Advances in Cognitive Psychology, Attention Perception and Psychophysics, Behavioral and Brain Functions, Biological Psychology, Brain Research, Brain Sciences, Brain Topography, Brain and Cognition, British Journal of Developmental Psychology, Cognitive Neuropsychology, Cognition, Cognitive Science, Cortex, Experimental Brain Research, Frontiers in Psychology, Frontiers in Systems Neuroscience, Human Brain Mapping, Journal of Cognitive Neuroscience, Journal of Experimental Psychology: Human Perception and Performance, Journal of Neuroscience, Journal of Numerical Cognition, Journal of Psychophysiology, Laterality, Neurobiology of Aging, Neuroimage, Neuropsychologia, Neuroscience Letters, PLoS ONE,

Psychological Research, Psychophysiology, Scientific Reports, The Open Behavioral Science Journal, Trends in Cognitive Sciences.

Conference reviewing XII Mediterranean Conference on Medical and Biological Engineering and Computing (MEDICON) 2010, Greece.

### **Organization of Scientific Events**

2010-present Member of the Scientific Committee of RAW (Rovereto Attention Workshop <https://www.cimec.unitn.it/en/118/workshops>), CIMEC, University of Trento

2017 Co-organizer of the workshop “Ten years of Mind/Brain Sciences at the University of Trento” <https://www.cimec.unitn.it/en/118/workshops>

2016 Symposium (co-chair: Thomas Tollner) “Relationship between selective attention and working memory: New insights from event-related EEG lateralizations”, International Meeting of the Psychonomic Society 2016

2007-2009 Co-organizer of the CIMEC Colloquia Series, University of Trento

### **Society Membership (past and present)**

Cognitive Neuroscience Society (CNS), Society for Psychophysiological Research (SPR), Vision Sciences Society (VSS), European Society for Cognitive and Affective Neuroscience (ESCAN), Human Brain Mapping (HBM), Psychonomic Society, Italian Association of Psychology (AIP).

---

### **HONORS, AWARDS AND FELLOWSHIPS**

2014 Center for Advanced Studies (CAS) fellowship, Ludwig Maximilians University of Munich (Germany).

2006-2008 Post-doctoral fellowship, Autonomous Province of Trento (Rovereto), Italy.

2003-2005 Pre-doctoral fellowship, Italian Ministry of Research.

2003-2004 Pre-doctoral fellowship for mobility, Italian Ministry of Research.

2004 “Young Researcher Award” of the Italian Association of Psychology.

---

### **GRANTS**

Strategic projects, University of Trento, 2018-2020 (role: Principal Investigator). “The RARE (Reversing Aging and Resilience in the Elderly) Net”.

ITPAR (India-Trento Program for Advanced Research), 2018-present (role: vice-coordinator for the Neuroscience area- UniTN unit).

Post-doctoral funding, Autonomous Province of Trento (Comune di Rovereto), 2016-2018 (role: Principal Investigator). “Cognitive training, plasticity and active aging”.

Giovani Ricercatori, Italian Ministry of Health, 2012-2016 (role: Principal Investigator). “Brain and cognitive dynamics of multiple-object processing in normal aging, MCI and Alzheimer disease”.

MIUR-PRIN, Italian Ministry of Research, 2006-2007 (role: member of Research Unit). “Functional and neural mechanisms of visual attention in profound deaf individuals and patients with cochlear implant: an integrated behavioural, EEG and high-resolution fMRI approach”.

---

## COMMUNITY SERVICE

- 2018 Member of the organizing committee of a workshop on healthy aging open to the public (“Invecchiamento e ricerca: prospettive per il territorio”, <https://webmagazine.unitn.it/evento/cimec/43206/invecchiamento-e-ricerca-prospettive-per-il-territorio>)
- 2018 “Fare rete per studiare l’invecchiamento attivo”, UniTrentoMag (university magazine).
- 2017 “Si può davvero invecchiare bene?” Article in Trentino (local newspaper).
- 2017 Tutor for high-school students (learning and working training system).
- 2016-present Consulting scientist for Wired (Italian edition).
- 2013 “Aspettando le Olimpiadi delle Neuroscienze” (Waiting for the Neuroscience Olympics). Lecture on Cognitive Neuroscience. The Tridentine Museum of Natural Sciences (MUSE), Trento.
- 2012 CIMEC at Robocup, Riva del Garda. Exhibit on visual perception at the 2012 Edition of Robocup JR.
- 2011-2012 Trento Researchers’ Night (funded by the European Commission- Research and Innovation). Co-organization of exhibits of electrophysiological experiments on human cognition.
- 2011 Neuroscientific caffè, Rovereto. Lecture to the general public on visual perception and illusions.
- 2011 Civic Museum, Rovereto. Guest on the round-table “Women and Science”.