CURRICULUM VITAE

Veronica Mazza (November 2023)

PERSONAL DATA

Affiliation	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
Personal webpage	https://webapps.unitn.it/du/en/Persona/PER0034681/Curriculum
Lab webpage	https://r1.unitn.it/apa/
Rare Net	https://rarenet.unitn.it/

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 (11/E1, 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	Post-Doctoral Research Fellow, Department of Cognitive Sciences and Education and CIMeC, University of Trento, Italy.

Other Professional Experience

2019 (May)	Visiting fellow, Erasmus+ teaching mobility, Department of Psychology, University of Leipzig, Germany
2014 (October-November)	Visiting fellow, Center for Advanced Studies, Ludwig-Maximilian University of Munich, Germany.
2008 (April-July)	Visiting scientist, Cognitive Neuropsychology Lab, Harvard University, USA.
2005 –2006 (November-March)	Research contract to set up EEG Laboratory, Department of Cognitive Sciences and Education, University of Trento, Italy.
2005 (October-November)	Research fellow, Birkbeck College, University of London, UK.

RESEARCH INTERESTS

Areas
Visual Perception, Attention, Aging, Working Memory, Cognitive training and Human Electrophysiology

Specific Topics
In my research I try to understand how the visual system selectively attends to, perceives and memorizes the relevant objects presented in a cluttered scene. I address this question within a lifespan perspective, which includes young and older individuals, and through electrophysiological and behavioral measures. 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 aging impact on the processing of multiple relevant objects? Can we improve this ability in healthy older individuals? 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 attention and working memory during the execution of different tasks? What are their spatio-temporal brain dynamics?

Main collaborations (past and present)
- University of Leipzig, Germany- Matthias Muller, Matthew Oxner
- University of Birmingham, UK- Andrew Bagshaw
- Ludwig Maximillian University, Germany- Thomas Tollner
-University of Padova- Camillo Porcaro
- University of Brescia, Italy- Debora Brignani
- University of Birminghan, UK- Sara Assecondi
- Harvard University, USA- Alfonso Caramazza and Lorella Battelli
- Indian Institute for Science Bangalore, India- Sridharan Devarajan
- National Research University Higher School of Economics, Moscow, Russia- Elena Gorbunova
- University Claude Bernard Lyon I, France- Emiliano Macaluso
- Birkbeck College, University of London, UK- Martin Eimer
- University of Padova, Italy- Carlo Umiltà and Giovanni Galfano

PUBLICATIONS

Buzi, G., Fornari, C., Perinelli, A., & Mazza, V. (2023). Functional connectivity changes in mild cognitive impairment: A meta-analysis of M/EEG studies. *Clinical Neurophysiology*, *156*, 183-195. 10.1016/j.clinph.2023.10.011.

Cogoni, C., Monachesi, B., Mazza, V., Grecucci, A., & Vaes, J. (in press). Neural dynamics of vicarious physical pain processing reflect impaired empathy toward sexually objectified vs non-sexually-objectified women. *Psychophysiology,60:e14400.* 10.1111/psyp.14400.

Tagliabue, C.F., Bissig, D., Kaye, J, Mazza, V., & Assecondi, S. (2023). Evaluation of remote unsupervised cognitive screening with SATURN in older adults. *Journal of Applied Gerontology, 42*(9) *1903–1910.* 10.1177/0733464823116.

Tagliabue, C.F., Varesio, G., Assecondi, S., Vescovi, M., & Mazza, V. (2023). Age-related effects on online and offline learning in visual working memory. *Aging, Neuropsychology and Cognition. 30, 486-503.* 10.1080/13825585.2022.2054926.

Perinelli, A., Tagliabue, C.F., Assecondi, S., & Mazza, V. (2022). Connectivity in the aging brain at rest. *Neuroimage. 256*, 119247. 10.1016/j.neuroimage.2022.119247.

Holcomb, A.N., Tagliabue, C.F., & Mazza, V. (2022). Aging and Feature Binding in Visual Working Memory. *Frontiers in Psychology, 13, 977565*. 10.3389/fpsyg.2022.977565.

Tagliabue, C.F., Varesio, G., & Mazza, V. (2022). Training Attentive Individuation Leads to Visuo-Spatial Working Memory Improvement in Low-Performing Older Adults: an Online Study. *Attention, Perception & Psychophysics*. 10.3758/s13414-022-02580-6.

Bagattini, C., Esposito, M., Ferrari, C., Mazza, V., & Brignani, D (2022). Connectivity alterations underlying the breakdown of pseudoneglect: new insights from healthy and pathological aging. *Frontiers in Aging Neuroscience. 14,* 930877. 10.3389/fnagi.2022.930877.

Sovrano, VA, Baratti, G., Potrich, D., Rosà, T, & Mazza, V. (2022). "Classifying-together" phenomenon in fish (Xenotoca eiseni): Simultaneous exposure to visual stimuli impairs subsequent discrimination learning. PLOS ONE, *17*, e0272773. 10.1371/journal.pone.0272773.

Tagliabue, C.F., Varesio, G., & Mazza, V. (2022). Inter- and Intra-Hemispheric Age-Related Remodeling in Visuo-Spatial Working Memory. *Frontiers in Aging Neuroscience, 13*. 10.3389/fnagi.2021.807907.

Tagliabue, C.F., & Mazza, V. (2021). What can neural activity tell us about cognitive resources in aging? *Frontiers in Psychology*, *4773*. 10.3389/fpsyg.2021.753423.

Esposito, M., Mauri, P., Panizza, L., Mazza, V., Miniussi, C., & Brignani D. (2021). Baseline levels of alertness influence tES effects along different age-related directions. *Neuropsychologia*. 10.1016/j.neuropsychologia.2021.107966

Wurm, M.F., Tagliabue, C.F., & Mazza, V. (2021). Decoding location-specific and location-invariant stages of numerosity processing in subitizing. *European Journal of Neuroscience*. 10.1111/ejn.15352.

Perinelli, A., Castelluzzo, M., Tabarelli, D., Mazza, V., & Ricci, L. (2021). Relationship between mutual information and cross-correlation time scale of observability as measures of connectivity strength. *Chaos*, 31, 073106. 10.1063/5.0053857.

Tagliabue, C.F., Assecondi, S., Cristoforetti, G., & Mazza, V. (2020). Learning by task repetition enhances object individuation and memorization in the elderly. *Scientific Reports, 10,* 19957. 10.1038/s41598-020-75297-x

Tagliabue, C.F., Lombardi, L., & Mazza, V. (2020). Individuation of object parts in aging. *Attention, Perception & Psychophysics, 82,* 2703–2713. 10.3758/s13414-020-01996-2

Tagliabue, C.F., Brignani, D, & Mazza, V. (2019). Does numerical similarity alter age-related distractibility in working memory? PLoS ONE. 14(9): e0222027. 10.1371/journal.pone.0222027

Vaes, J., Cristoforetti, G., Ruzzante, D., Cogoni, C., & Mazza, V. (2019). Assessing neural responses towards objectified human targets and objects to identify processes of sexual objectification that go beyond the metaphor. *Scientific Reports*, *9*, 6699. 10.1038/s41598-019-42928-x.

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. 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). Electroencephalografic 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. 10.1038/srep38434.

Pagano, S., Fait, E., Brignani, D., & Mazza, V. (2016). Object individuation and compensation in healthy aging. *Neurobiology of Aging*, *40*, 145-54. 10.1016/j.neurobiolaging.2016.01.013

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. 10.3758/s13414-016-1152-1

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. 10.1111/ejn.12948.

Pagano, S., Fait, E., Monti, A., Brignani, D., & Mazza, V. (2015). Electrophysiological correlates of subitizing in healthy aging. *PLoS ONE*, 10, e0131063. 10.1371/journal.pone.0131063

Mazza, V., & Caramazza, A. (2015). Multiple object individuation and subitizing in enumeration: a view from electrophysiology. *Frontiers in Human Neuroscience*, 9, 162. 10.3389/fnhum.2015.00162

Pagano, S., Lombardi, L., & Mazza, V. (2014). Brain dynamics of attention and working memory engagement in subitizing. *Brain Research*, 1543, 244-252. https://doi.org/10.1016/j.brainres.2013.11.025

Munneke, J., Fait, E., & Mazza, V. (2013). Attentional processing of multiple targets and distracters. *Psychophysiology, 50,* 1104-8. 10.1111/psyp.12123

Mazza, V., Pagano, S., & Caramazza, A. (2013). Multiple object individuation and exact enumeration. *Journal of Cognitive Neuroscience*, 25, 697-705. 10.1162/jocn_a_00349

Pagano, S., & Mazza, V. (2013). Multiple object individuation during numerical Stroop. *Psychophysiology, 50,* 292-296. 10.1111/psyp.12014

Mazza, V., & Caramazza, A. (2012). Perceptual grouping and visual enumeration. *PLoS ONE*, 7, e50862. 10.1371/journal.pone.0050862

Pagano, S., & Mazza, V. (2012). Individuation of multiple targets during visual enumeration: new insights from electrophysiology. *Neuropsychologia*, *50*, 754– 761. 10.1016/j.neuropsychologia.2012.01.009

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. 10.1162/jocn.2011.21634

Mazza, V., & Caramazza, A. (2011). Temporal brain dynamics of multiple object processing: the flexibility of individuation. *PLoS ONE*, *6*, e17453. 10.1371/journal.pone.0017453

Mazza, V., Turatto, M., & Caramazza, A. (2009). Attention selection, distractor suppression and N2pc. *Cortex*, *45*, 879-890. 10.1016/j.cortex.2008.10.009

Mazza, V., Turatto, M., & Caramazza, A. (2009). An electrophysiological assessment of distractor suppression in visual search. *Psychophysiology*, *46*, 771-775. 10.1111/j.1469-8986.2009.00814.x

Galfano, G., Mazza, V., Tamè, L., Umiltà, C., & Turatto, M. (2008). Change detection evokes a Simon-like effect. *Acta Psychologica*, *127*, 186-196. 10.1016/j.actpsy.2007.04.004

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. 10.1007/s00221-007-1002-4

Mazza, V., Turatto, M., Rossi, M., & Umiltà, C. (2007). How automatic are audiovisual links in exogenous spatial attention? *Neuropsychologia, 45*, 514-522. 10.1016/j.neuropsychologia.2006.02.010

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. 10.1111/j.1469-8986.2005.00285.x

Mazza, V., Turatto, M., & Umiltà, C. (2005). Foreground-background segmentation and attention: A change blindness study. *Psychological Research, 69*, 201-210. 10.1007/s00426-004-0174-9

Turatto, M., Mazza, V., & Umiltà, C. (2005). Crossmodal object-based attention: Auditory objects affect visual processing. *Cognition*, *96*, B55-B64. 10.1016/j.cognition.2004.12.001

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. 10.1007/s00221-004-1884-3

Galfano, G., Mazza, V., Angrilli, A., & Umiltà, C. (2004). Electrophysiological correlates of stimulus-driven multiplication facts retrieval. *Neuropsychologia*, *42*, 1370-1382. 10.1016/j.neuropsychologia.2004.02.010

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. 10.1016/S0010-0277(02)00016-1

In Italian

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

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.

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.

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

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

o Holcomb, A., Vescovi, M., & Mazza, V. (2023). Visual Search and real-world objects in aging. Rovereto Attention Workshop.

o Fornari, C., Tagliabue, CF., Varesio, G., & Mazza, V. (2023). Multiple Object Processing Flexibility across Training of Different Tasks. Rovereto Attention Workshop.

o Assecondi, S., Moreel, L., & Mazza, V. (2023). Resting-state electroencephalographic change in response to combined tDCS and working memory training in healthy older adults. European Conference on Visual Perception, Cyprus.

o Holcomb, A., Tagliabue, CF., Vescovi, M., & Mazza, V. (2023). Visual Search and real-world object representations in aging. European Conference on Visual Perception, Cyprus.

o Moreel, L., Villa-Sánchez, B., Fornari, C., Mazza, V., & Assecondi, S. (2023). Working Memory Training and Transcranial Direct Current Stimulation in older adults: A resting-state EEG analysis. Rotman Research Institute Conference – Aging and the brain health, virtual, Canada.

o Tagliabue CF, Varesio G, Mazza V. (2022). Can Training Attentive Individuation Improve Visuo-Spatial Working Memory Capacity in Healthy Aging? 2022 Rotman Research Institute Conference.

- o Villa-Sánchez, B., Hu, R., Eskes, G., Kroeker, J, Shapiro K., Mazza V., & Assecondi, S. (2022). Exploring the effect of expectation in working memory training combined with transcranial direct current stimulation. Learning and Plasticity meeting, Marzo 2022, Ylläs, Lapland, Finland.
- o Tagliabue, C.F., Varesio, G., & Mazza, V. (2021). Age-Related Inter- and Intra-Hemispheric Neural Changes in Visuo-Spatial Working Memory. Virtual European Conference on Visual Perception (ECVP, talk).
- o Tagliabue, C.F., Varesio, G., & Mazza, V. (2021). Age-Related Neural Changes of Inter- and Intra-Hemispheric EEG Activity in Visuo-Spatial Working Memory. Società Italiana di Psicofisiologia (SIPF).
- o Tagliabue, C.F., Varesio, G., & Mazza, V. (2021). Memoria di lavoro visuo-spaziale e cambiamenti neurali inter- ed intra-emisferici nell'invecchiamento. AIP Experimental Annual Meeting (talk).
- o Tagliabue CF, Assecondi S, Cristoforetti G, Mazza V. (2020). L'apprendimento per ripetizione migliora l'individuazione e la memorizzazione di oggetti negli anziani. AIP Experimental Annual Meeting. Virtual edition (talk).
- o Tagliabue CF, Assecondi S, Cristoforetti G, Mazza V. (2020). Enhanced object individuation and memorization in the elderly after working memory practice. V-VSS.
- o Fornari C, Tagliabue CF, Mazza V. Gli effetti del training a breve termine in un compito di enumerazione sulla prestazione di memoria di lavoro negli anziani sani. AIP Experimental Annual Meeting. Virtual edition (talk).
- o Tagliabue, C.F., Assecondi, S., & Mazza, V (2019) Working memory practice enhances object individuation and memorization in the elderly. European Conference on Visual Perception (ECVP, talk).
- o Bagattini, C., Mazza, V., Ferrari, C., & Brigani, D. (2018). Connectivity alterations underlying the breakdown of pseudoneglect in Alzheimer's disease. SIPF, Società Italiana di Psicofisiologia.
- o Brignani, D., Piercarli, M., Panizza, L., Mazza, V., & Miniussi, C. (2018). tES and alertness in aging. SIPF, Società Italiana di Psicofisiologia.
- o 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.
- o Tagliabue, C.F., Mazza, V. (2018) Bilateral field presentation modulates subitizing. 41th European Conference on Visual Perception (ECVP).
- o 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 (talk at symposium).
- o Perna, F., Pavani, F., & Mazza, V. (2017). Musical long-term training and auditory detection. International Convention of Psychological Science.
- o 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.
- o 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.
- o Perna, F., Pavani, F., & Mazza, V. (2017). Orienting attention in time: cue modality and musical expertise. Rhythm Production and Perception Workshop.
- o Perna, F., Zampini, M., & Mazza, V. (2016). Rhythm perception and musical expertise. Cognition and Evolution Workshop.
- o Mazza, V. (2016). Multiple object individuation and aging. International Meeting of the Psychonomic Society (talk at symposium).
- o Perna, F., Zampini, M., & Mazza, V. (2016). Behavioral dynamics of rhythm perception: the effect of musical expertise. International Meeting of the Psychonomic Society.

- Perna, F., Zampini, M., Pavani, F., & Mazza, V. (2016). Deviance detection in musicians. Cognitive Science Arena (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.
- Pagano, S., Fait, E., Brignani, D, & Mazza, V. (2015). Object individuation and compensation in healthy aging. Rovereto Attention Workshop.
- 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.

o Pagano, S.*, & Mazza, V. (2012). Neural correlates of multiple object individuation in the absence of awareness. 2012 meeting of the Vision Sciences Society.
o Mazza, V., Pagano, S., & Caramazza, A. (2012). Multiple target individuation with and without distracters. 2012 meeting of the Vision Sciences Society.
o Pagano, S., & Mazza, V. (2011). Electrophysiological evidence for the role of individuation and visual working memory in quantity estimation. Cognitive Neuroscience Society meeting 2011.
o Mazza, V., & Caramazza, A. (2011). The flexibility of individuation in multiple object processing. Cognitive Neuroscience Society meeting 2011 (talk).
o 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.
o Pagano, S., & Mazza, V. (2010). Correlati elettrofisiologici dei meccanismi di individuazione ed identificazione. Congresso Nazionale dell'Associazione Italiana di Psicologia, Sezione di Psicologia Sperimentale.
o 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
<u>Undergraduate</u>

2015-present	Advanced Topics in Perception and Attention (6 CFU, 36 hours, 5-10 students) CIMeC, University of Trento
2008-present	Perception and Attention (9 CFU, 63 hours, 200-250 students) Department of Psychology and Cognitive Science, University of Trento
2016-2017	Independent Studies (6 CFU); co-teaching CIMeC, University of Trento
2015-2017	Cognitive Psychology (6 CFU, 16 hours); co-teaching CIMeC, University of Trento

<u>Graduate</u>

2009-present	EEG Methods in Cognitive Neuroscience (1.5 CFU, 5 students) PhD School in Cognitive and Brain Sciences, University of Trento, Italy

Supervision
<u>Undergraduate</u>

2010-present	University of Trento: 40 students Other Universities: 6 students (University of Osnabruck; University of Ghent, Belgium; Trier University, Germany; University of Brest, France; Un. del Estado de Morelos, México; Universität des Saarlandes, Germany)

<u>Research Assistants</u>	Chiara Fornari (2021-2023) Greta Varesio (2021-2023) Maddalena Flaim (2019-2021) Elisa Fait (2011-2015) Anna Dal Molin (2009-2011)
<u>Internships</u>	Giulia Buzi (2021-2022) Eleonora Malloggi (2020-2021) Greta Varesio (2020)

Giulia Cristoforetti (2016-2017)

PhD students	Alessandra Barbon, University of Trento (2023-present)
	Alexandria Holcomb, University of Trento (2019-present)
	Francesca Perna, University of Trento (2014-2017)
	Shady Rahayel, Université du Québec à Montréal (visiting- 2013)
	Silvia Pagano, University of Trento (2009-2012)*

Winner of the "2014 Best Doctorate Award" of the University of Trento

Post-doctoral fellows	Matt Oxner, University of Leipzig (2021-present; co-supervision)
	Alessio Perinelli, University of Trento (2021-2022)
	Chiara Tagliabue, University of Trento (2016-2022)
	Marlene Poncet, University of Trento (2015; co-supervision)
	Chiara Bagattini, IRCSS Fatebenefratelli Brescia (2014-2015; co-supervision)
	Silvia Pagano, University of Trento (2013-2015)

PROFESSIONAL ACTIVITIES

University Service

University of Trento

2023-present	CIMeC delegate for Communication, University of Trento
2022-present	Responsible for Local Security-CIMeC, University of Trento
2016-2019	Vice Coordinator of the PhD Program in Cognitive and Brain Sciences, CIMeC, University of Trento
2013-present	Coordinator of the Experimental Psychology Labs, CIMeC,
2013-2022	Member of the CIMeC Executive Board, University of Trento
2012-2022	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
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
2010-2021	Member of the Executive Committee of the PhD School in Cognitive and Brain Sciences, CIMeC, University of Trento
2010-2016	Member of the "Premio Graziola" evaluation committee, University of Trento and FBK, Trento
2008-present	Contact researcher for the EEG Laboratory, CIMeC
2008-present	Member of the PhD School in Cognitive and Brain Sciences, CIMeC

Other universities

2022	Member of the PhD dissertation committee, University of Verona, IT
2022	External reviewer, PhD examination committee, Un. of Bologna, IT
2021	External reviewer, PhD examination committee, Un. of Milano-Bicocca, IT
2021	Member of selection committee for an assistant professor position (type-b researcher), University of Padova, IT
2019	External reviewer, PhD examination committee, LMU, DE
2019	Member of the PhD dissertation committee, University of Verona, IT
2018	External reviewer, PhD examination committee, University of Verona, IT
2018	External reviewer, PhD examination committee, University of Auckland, NZ

2018	Member of the PhD dissertation committee, University of Padova, IT
2018	Member of the PhD dissertation committee, University of Verona, IT
2013	Member of the PhD dissertation committee, University of Padova, IT

Grant review panels

2023	Dutch Research Council (NWO), Vici
2014	Marie Curie Actions- Incoming Fellowship Programme

Editorial activity

2023-present	Associate Editor, Scientific Reports
2023-present	Reviewing Editor, Frontiers in Psychology- Emotion Science
2022-present	Associate Editor, Frontiers in Psychology- Cognition
2021-2022	Topic Editor, Symmetry
2016-2021	Reviewing Editor, Frontiers in Psychology- Cognition

Ad-hoc Journal
Reviewing   Archives of Clinical Neuropsychology, 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, European Journal of Neuroscience, Experimental Brain Research, Frontiers in Human Neuroscience, Frontiers in Neurology, 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, Neuropsychology, Neuroscience Letters, PLoS ONE, Psychological Research, Psychophysiology, Quartely Journal of Experimental Psychology, Scientific Reports, Trends in Cognitive Sciences.

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).

GRANTS

2021-2023	Deutsche Forschungsgemeinschaft- DFG (role: Co-PI). "Stress test of the signal suppression hypothesis". Euro 392.000.

2019-2024	Caritro Foundation, Trento e Rovereto (role: Co-PI). "Strategies to improve cognition in the elderly". Euro 600.000.
2018-2022	Strategic projects, University of Trento (role: Principal Investigator). "The RARE (Reversing Aging and Resilience in the Elderly) Net". Euro 133.500
2018-2020	ITPAR-India-Trento Program for Advanced Research (role: vice-coordinator for the Neuroscience area- UniTN unit). Euro 120.000
2016-2018	Post-doctoral funding, Autonomous Province of Trento, Comune di Rovereto (role: Principal Investigator). "Cognitive training, plasticity and active aging". Euro 48.000
2012-2016	Giovani Ricercatori, Italian Ministry of Health (role: Principal Investigator). "Brain and cognitive dynamics of multiple-object processing in normal aging, MCI and Alzheimer disease". Euro 362.000
2006-2007	MIUR-PRIN, Italian Ministry of Research (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".

HONORS, AWARDS AND FELLOWSHIPS

2019	Erasmus+ funds for teaching mobility
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.

COMMUNITY SERVICE

2023	Radio interview, Obiettivo Salute, Radio24 https://www.radio24.ilsole24ore.com/programmi/obiettivo-salute-weekend/puntata/il-cervello-cabina-regia-nostra-vita--diretta-festival-economia-trento-120500-AEIEuLYD
2022	Regional Radio interview on the cognitive neuroscience of aging ("Alla sorgente del sapere" with Francesca Mazzalai)
2022-present	Organization of series of lectures on cognitive aging for the University of the Third Age
2022	Chair-person and inviting scientist for a lectio to the general public on diet and longevity- Valter Longo https://webmagazine.unitn.it/en/evento/cimec/112821/nutrition-longevity-and-health
2022	Member of the Comel Awarding ceremony for master's theses on healthy aging (https://webmagazine.unitn.it/en/evento/cimec/111985/awarding-ceremony-for-master-s-thesis-alvise-comel-foundation).
2022	Official launch and presentation of a cognitive training program for older individuals- Allenare la mente https://webmagazine.unitn.it/en/evento/cimec/112053/training-cognitive-skills-in-healthy-aging
2022	"Invecchiamento e plasticità" Collegio Bernardo Clesio (talk to UniTrento students belonging to the excellence track).
2019	"Il nostro cervello può davvero invecchiare bene?" CIMeC Città (talk to the general public, organized by the City of Rovereto).

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-present	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 cafè, Rovereto. Lecture to the general public on visual perception and illusions.
2011	Civic Museum, Rovereto. Guest on the round-table "Women and Science".