

CURRICULUM VITAE

Veronica Mazza (December 2021)

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
(April-March) Education and CIMEC, University of Trento, Italy.

Other Professional Experience

2019 Visiting fellow, Erasmus+ teaching mobility, Department of
(May) Psychology, University of Leipzig, Germany
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, Working Memory, Cognitive training and Human Electrophysiology

Specific Topics

In my research I try to understand how the visual system selectively attends, 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
- Ludwig Maximilian University, Germany- Thomas Tollner
- University of Brescia, Italy- Debora Brignani
- University of Birmingham, UK- Sara Asseconi
- 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 Galvano

PUBLICATIONS

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

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](https://doi.org/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., Asseconi, 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](https://doi.org/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](https://doi.org/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). 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.
- 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.
- 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.
- 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.

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

- 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).
- 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).
- 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).
- Tagliabue CF, Asseconi 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).
- Tagliabue CF, Asseconi S, Cristoforetti G, Mazza V. (2020). Enhanced object individuation and memorization in the elderly after working memory practice. V-VSS.
- 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).
- Tagliabue, C.F., Asseconi, S., & Mazza, V (2019) Working memory practice enhances object individuation and memorization in the elderly. European Conference on Visual Perception (ECVP, talk).
- 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.
- Brignani, D., Piercarli, M., Panizza, L., Mazza, V., & Miniussi, C. (2018). tES and alertness in aging. SIPF, Società Italiana di Psicofisiologia.
- 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 (talk at symposium).
- Perna, F., Pavani, F., & Mazza, V. (2017). Musical long-term training and auditory detection. International Convention of Psychological Science.
- 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.
- Perna, F., Zampini, M., & Mazza, V. (2016). Rhythm perception and musical expertise. Cognition and Evolution Workshop.
- Mazza, V. (2016). Multiple object individuation and aging. International Meeting of the Psychonomic Society (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.
- 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.
- 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).
- Asseconi, 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.
- Asseconi, 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

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

Graduate

2009-present	EEG Methods in Cognitive Neuroscience (1.5 CFU, 5-10 students) PhD School in Cognitive and Brain Sciences, University of Trento, Italy
--------------	---

Supervision

Undergraduate

2010-present	University of Trento: 37 students Other Universities: 3 students (University of Brest, France; Un. del Estado de Morelos, México; Universität des Saarlandes, Germany)
--------------	---

Research Assistants

Chiara Fornari (2021-present)
Greta Varesio (2021-present)
Maddalena Flaim (2019-2021)
Elisa Fait (2011-2015)
Anna Dal Molin (2009-2011)

Internships

Giulia Buzi (2021-present)
Eleonora Malloggi (2020-2021)
Greta Varesio (2020)
Giulia Cristoforetti (2016-2017)

PhD students

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 (2016-2021)
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

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
2008-present Contact researcher for the EEG Laboratory, CIMEC
2008-present Member of the PhD School in Cognitive and Brain Sciences, CIMEC
2010-2021 Member of the Executive Committee of the PhD School in Cognitive and Brain Sciences, CIMEC, University of Trento
2016-2019 Vice Coordinator of the PhD Program in Cognitive and Brain Sciences, CIMEC, 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
2010-2016 Member of the “Premio Graziola” evaluation committee, University of Trento and FBK, Trento

Other universities

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

2014 Marie Curie Actions- Incoming Fellowship Programme

Editorial activity

2021-2022 Topic Editor, Symmetry

2016-present Reviewing Editor, Frontiers in Psychology

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.

2019-2023 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

- 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.uni.tn.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 caffè, Rovereto. Lecture to the general public on visual perception and illusions.
- 2011 Civic Museum, Rovereto. Guest on the round-table “Women and Science”.