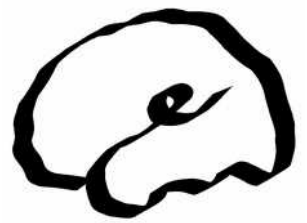
Curriculum Vitae



Personal information

First name & last name	• Marco Tettamanti
Academic degree	• PhD, Associate Professor
Date of birth	• 30.10.1972
Place of birth	• Bellinzona, Switzerland
Nationality	• Swiss
Civil status	• Married, 2 children

Current position	• Associate Professor
Department	• Department of Psychology
Institution	• University of Milano-Bicocca
Address	• Piazza dell'Ateneo Nuovo 1, I-20126 Milano (MI), Italy
Telephone	• +39-02-64483738
Email	• marcodante.tettamanti@unimib.it
Website	• https://scholar.google.it/citations?user=x4qQl4AAAAAJ
ORCID	• http://orcid.org/0000-0003-3039-1500
WoS Researcher ID	• K-1510-2016

Language portfolio

Mother tongue • Italian

Other languages
Self-assessment (European level)*

	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
English	C1	Proficient	C2	Proficient	C1	Proficient	C2	Proficient	C2	Proficient
French	C2	Proficient	C2	Proficient	C1	Proficient	C2	Proficient	C2	Proficient
German	C2	Proficient	C2	Proficient	C1	Proficient	C1	Proficient	C2	Proficient
Spanish	B1	Independent	B1	Independent	A2	Basic	A2	Basic	A2	Basic
Portuguese	A2	Basic	A2	Basic	A1	Basic	A1	Basic	A1	Basic

*Common European Framework of Reference (CEF) level

Education

PhD

• 2000-2003: Ph.D. Neuroscience Program of the Neuroscience Center of the University of Zurich, Switzerland.

• PhD thesis: "Language Acquisition and Processing – Hierarchically Organized Cognitive Processes". Internal supervisors: Prof. Rüdiger Wehner, Dr. Dorothea Weniger, Prof. Spyros Kollias, and Prof. Peter Brugger. External supervisor: Prof. Stanislas Dehaene (Inserm, Paris, France).

• PhD degree (2004, February 10): PhD (Dr. sc. nat.), Natural Sciences Faculty, University of Zurich.

M.Sc.

• Courses (1991-1996): Molecular biology ("Biologie II"), Biozentrum of the University of Basel, Switzerland. The curriculum included intensive theoretical and practical courses in biophysics, biochemistry, microbiology, and cell-biology.

• M.Sc. thesis (1994-1995): "Development of the Mushroom Bodies of *Drosophila melanogaster*". Supervisors: Prof. Heinrich Reichert (Zoologisches Institut, University of Basel), Prof. John. G. Nicholls (Biozentrum).

	• M.Sc. degree (1996, April): M.Sc. in “Biologie II”, with specialization in Neurobiology and mention *cum laude* (Final mark: 5.1/6).
Habilitations	
Full Professor level	• 2023, December 12: “Abilitazione Scientifica Nazionale come Professore di I fascia nel settore concorsuale 11/E1”, corresponding to the Full Professor level. A previous habilitation was also awarded on 2017, April 10. The current habilitation has validity until 2035, December 12.
Associate Professor level	• 2014, February 25: “Abilitazione Scientifica Nazionale come Professore di II fascia nel settore concorsuale 11/E1”, corresponding to the Associate Professor level.
Research and academic positions	
2022-present	• Associate Professor in Neuropsychology and Cognitive Neuroscience, Department of Psychology, University of Milano-Bicocca, Italy.
2018-2022	• Associate Professor in Psychobiology and Psychophysiology, CIMeC - Center for Mind/Brain Sciences, University of Trento, Italy.
2006-2018	• Tenured full-time IRCCS research fellow, San Raffaele Scientific Institute, Milan, Italy.
2003-2006	• Tenure-track full-time IRCCS research fellow, San Raffaele Scientific Institute, Milan, Italy
2000-2003	• Research fellow (borsista), San Raffaele Scientific Institute MIlan, Italy; laboratory of Prof. Stefano F. Cappa and Prof. Daniela Perani.
1997-2000	• Training and Mobility of Researchers (EU-FP4) Grant Fellow, San Raffaele Scientific Institute, Milan, Italy.
Teaching	
2022-present	• Professor, Department of Psychology, University of Milano-Bicocca, Italy, M.Sc. Courses in: “Cognitive Neuroscience of Language [56h/8ECTS]”, “Neuroimaging [28h/4ECTS]”, “Laboratory: Neuroimaging in Cognitive Neurosciences [28h/4ECTS]”.
2023-present	• Professor, Advanced Specialization School in Neuropsychology, University of Milano-Bicocca, Italy, Course in “Language deficits in neurological diseases [4h/1ECTS]”.
2024-present	• Professor, Ph.D. Program in Psychology, Linguistics, and Cognitive Neurosciences, University of Milano-Bicocca, Italy, Course in “Exploring the mind-brain relationship: Theory and Practice in FMRI studies [4h/1ECTS]”.
2022-2024	• Professor, Department of Psychology, University of Milano-Bicocca, Italy, M.Sc. Course: “Laboratory: Psychopy [16h/2ECTS]”.
2011-2024	• Lecturer at the post-graduate Master Course in Clinical Neurosciences. Catholic University of Milan & Brescia, Italy.
2022-2024	• Lecturer at the post-graduate Master Course in Neuroimaging. Università degli Studi Gabriele d'Annunzio, Chieti, Italy.
2019-2022	• Professor, M.Sc. Course in Cognitive Science, CIMeC, University of Trento, Italy, Courses in: “Psycholinguistics [42h/6ECTS]”, “Advanced Topics in Memory [42h/6ECTS]”.
2019-2022	• Professor, M.Sc. Course in Data Science, CIMeC, University of Trento, Italy, Course in “Neuroimaging for Data Science [22h/3ECTS]”.
2019-2022	• Professor, Ph.D. Program in Cognitive Neuroscience, CIMeC, University of Trento, Italy, Course in “Neurobiology for Beginners [6h/1ECTS]”.
2001-2002, 2012-2017	• Contract Professor, Degree Programme in Physiotherapy, Medicine

Faculty, Vita-Salute San Raffaele University, Milano, Italy. Course modules in “Neurophysiology of cognitive processes (2001-2002)” and “Neurolinguistics (2012-2017)”.

2005-2015

- Contract Professor, Faculty of Psychology, Vita-Salute San Raffaele University, Milano, Italy. Courses in “Cognitive Neuropsychology (2005-2006)”, “Neurobiology of Memory (2006-2010)”. Course modules in “Experimental Psychology: Neuroimaging (2011-2013)”, “Experimental Psychology Neuroimaging: Excercises (2013-2015)”, “Neurobiology of Language: Exercises (2009-2010)”, “Neurobiology of Language: Excercises (2013-2015)”.

2004-2018

- Teaching assistant (“cultore della materia”) and examiner, Faculty of Psychology, Vita-Salute San Raffaele University, Milano, Italy. Courses in “Psychophysiology”, “Neuroscience”, “Cognitive Neuroscience”.

2007, October 9,10,11 and 2009, February 23,24

- Visiting Lecturer at the M.Sc. Course in Human Cognitive Neuropsychology, Edinburgh University, U.K.

2016, September 1

- Lecturer at Federation European Societies Neuropsychology’s summer school, Berlin.

2015, March 30

- Visiting Lecturer at the B.Sc. Course in Psychology: Course in “Instrumental Methods”, University of Milano-Bicocca, Italy.

Student supervision

- Current supervisions: 1 post-doctoral student, 3 PhD students, 12M.Sc. students, 0 B.Sc. students, and 1 internship fellows.
- Past supervisions: 3 post-doctoral student, 7 PhD students, 51 M.Sc. students, 11 B.Sc. students, and 19 internship fellows.

List of past students:

- Birgit Keisker, post-doctoral student (2009)
- Marta Ghio, post-doctoral student (2019-2021), M.Sc. student (2009) (website)
- Tudor Popescu, post-doctoral student (2021-2022)
- Matilde Taddei, PhD student (2010-2013) (website)
- Francesca Forlè, PhD student (2012-2015)
- Naima Rüther, visiting PhD student (2013)
- Clara Soberats-Garau, visiting PhD student (2021)
- Cara Cristina, PhD student (2019-2024), M.Sc. student (2018)
- Beber Sabrina, PhD student (2019-2024)
- Ryan J. Slaby, PhD student (2022-2025)
- Giulia Loca, pre-doctoral fellow (2023)
- Irene Rotondi, M.Sc. student (2006), B.Sc. student (2004)
- Marilù Lo Stimolo, M.Sc. student (2008)
- Eleonora Bartoli, M.Sc. student (2009), B.Sc. student (2007) (website)
- Alessandro Gerardi, M.Sc. student (2009)
- Elisa Marchetta, M.Sc. student (2009) (website)
- Riccardo Cafiero, M.Sc. student (2010)
- Krizia Maggioni, M.Sc. student (2011), B.Sc. student (2008)
- Matilde Vaghi, M.Sc. student (2012), B.Sc. student (2010) (website)
- Danilo Rubicondo, M.Sc. student (2013)
- Alice Martinelli, M.Sc. student (2015) (website)
- Arianna Sala, M.Sc. student (2015) (website)
- Francesco Caprini, M.Sc. student (2015) (website)
- Francesca Conca, M.Sc. student (2016) (website)

- Philipp Silbernagl, M.Sc. student (2017) (website)
- Riccardo Verni, M.Sc. student (2017)
- Lisa Wright, M.Sc. student (2017), internship fellow (2013)
- Federico Calesella, M.Sc. student (2019)
- Dhyana Menon, M.Sc. student (2019)
- Maria Chiara De Pasquale, M.Sc. student (2019)
- Hülya Aldemir, external M.Sc. student, (2020)
- Barbara Cassone, M.Sc. student (2021), internship fellow (2019-2020)
- Alice Guerrini, M.Sc. student (2021), internship fellow (2019-2020)
- Giorgia Bontempi, M.Sc. student (2021), internship fellow (2021, 2022)
- Sara Carta, external M.Sc. student (2021), internship fellow (2020-2021)
- Duygu Buga, external M.Sc. student (2021)
- Giulia Zantonello, M.Sc. student (2022), internship fellow (2021-2022)
- Rosaria Lorenzano, M.Sc. student (2022)
- Irene Bellin, M.Sc. student (2022-2023)
- Elena Pane, M.Sc. student (2022-2023)
- Elisa Radicioni, M.Sc. student (2022-2023)
- Alessia Bianchi, M.Sc. student (2022-2023)
- Lucia Giorgione, M.Sc. student (2022-2023)
- Alessia Bianchi, M.Sc. student (2022-2023)
- Carola Giorchino-Ghio, M.Sc. student (2023-2024)
- Carola Parisi, M.Sc. student (2023-2024), research assistant (2025)
- Ennio Lauretta, M.Sc. student (2024-2025)
- Chiara Marino, M.Sc. student (2024-2025)
- Giulio Biscardi, M.Sc. student (2024-2025)
- Ester Corigliano, M.Sc. student (2024-2025)
- Rebecca Lupi, M.Sc. student (2024-2025)
- Carolina Sassi, M.Sc. student (2024-2025)
- Camilla Defendi, M.Sc. student (2024-2026)
- Eleonora Orsetti, M.Sc. student (2025-2026)
- Maria Cicirello, M.Sc. student (2025-2026)
- Chiara Cassarino, M.Sc. student (2025-2026)
- Beatrice Mento, M.Sc. student (2025-2026)
- Marta Vettore, M.Sc. student (2025-2026)
- Ruggero Bettinardi, B.Sc. student (2009) (website)
- Armanda Caporizzo, B.Sc. student (2009)
- Paolo Farronato, B.Sc. student (2010)
- Matteo Locatelli, B.Sc. student (2011)
- Clara Salmoiraghi, B.Sc. student (2012)
- Elisa Zanetti, B.Sc. student (2013)
- Federica Colombo, B.Sc. student (2018)
- Sofia Tranchina, B.Sc. student (2025-2026)
- Hellen Mathei Della Justina, internship fellow (2006)
- Giacomo Novembre, internship fellow (2007) (website)
- Marta Florio, internship fellow (2007) (website)
- Laura Verga, internship fellow (2010) (website)
- Chiara Banfi, internship fellow (2014) (website)
- Laura Muzzarelli, internship fellow (2015-2016) (website)
- Anna Santini, internship fellow (2019)
- Giacomo Tomezzoli, internship fellow (2019)
- Toni Polonjio, Erasmus internship fellow (2019-2020)
- Ricardo De Haro Mancha, internship fellow (2021)
- Polina Stulova, internship fellow (2021-2022)
- Giulio Sesini, internship fellow (2025-2026)

Institutional responsibilities

- 2025-present: Member of the Executive Board of the Milan Center for Neuroscience (NeuroMI, https://neuromi.it/).
- 2025-present: Psychology Department delegate member of the "Bicocca Bioinformatics Biostatistics Bioimaging (B4)" inter-departmental centre.
- 2025-present: Deputy for laboratorial teaching in the M.Sc. degree program in Neuropsychology and Cognitive Neuroscience, Department of Psychology, University of Milano-Bicocca, Italy.
- 2026-present: President of the Joint Education Committee (Commissione Paritetica Docenti-Studenti) of the Department of Psychology, University of Milano-Bicocca, Italy.
- 2024-present: Member of the Joint Education Committee (Commissione Paritetica Docenti-Studenti) of the Department of Psychology, University of Milano-Bicocca, Italy.
- 2023-present: Member of the Governance Group for the "Dipartimenti di Eccellenza" Project 2023-2027, Department of Psychology, University of Milano-Bicocca, Italy.
- 2026-present: Quality Assurance Deputy for the Doctoral Program in Psychology, Linguistics, and Cognitive Neurosciences, University of Milano-Bicocca, Italy.
- 2023-present: Faculty member of the Doctoral Program in Psychology, Linguistics, and Cognitive Neurosciences, University of Milano-Bicocca, Italy.
- 2023-present: Faculty member of the Doctoral Program in Cognitive Brain Sciences, IUSS, Pavia, Italy, conjointly with University of Pavia, Italy.
- 2022-present: Faculty member of the Specialization School in Neuropsychology, University of Milano-Bicocca, Italy.
- 2024: PhD thesis defense committee member, University of Milano-Bicocca, Italy.
- 2023: PhD thesis defense committee member, University of Salento, Italy.
- 2021: PhD thesis defense committee member, University of Urbino, Italy.
- 2019-2023: Faculty member of the Doctoral Program in Cognitive and Brain Sciences, CIMeC, University of Trento, Italy.
- 2019-2022: Deputy for safety and health in the working place, CIMeC, University of Trento, Italy.
- 2019: Vice-coordinator and committee member of the Doctoral Program in Cognitive and Brain Sciences, CIMeC, University of Trento, Italy.
- 2016-2019: Faculty member of the Specialization School in Neuropsychology, Vita-Salute San Raffaele University, Milan, Italy.
- 2010-2018: Faculty member of the PhD Program in Cognitive Neuroscience and Philosophy of the Mind, IUSS, Pavia, Italy.
- 2017: Committee Member for 1 Habilitation Thesis, University of Poitiers, France.
- 2015-2016: PhD thesis defense committee member, International School for Advanced Studies (SISSA), Trieste, Italy.
- 2010-2013: External supervisor of a PhD student in Linguistics & Neurolinguistics, Scuola Normale Superiore, Pisa, Italy.
- 2005-2010: Assistant tutor for the students in the Cognitive Neuroscience Program at the Psychology Faculty, Vita-Salute San Raffaele University, Milan, Italy.

Commissions of trust

- 2024: Scientific evaluator: European Research Council (ERC) Consolidator Grants.
- 2022: Scientific evaluator, Université Franco-Italienne, France/Italy.
- 2021: Scientific evaluator, University of Zurich, Switzerland.
- 2021: Scientific evaluator, Institut Universitaire de France.

- 2016, 2021: Scientific evaluator, Israel Science Foundation (ISF), Israel.
- 2019: Scientific evaluator, Swiss National Science Foundation (SNSF).
- 2019: Scientific evaluator, French National Research Agency (ANR).
- 2016: Scientific evaluator, International School for Advanced Studies (SISSA), Trieste, Italy.
- 2015: Scientific evaluator, German Research Foundation (DFG), Germany.
- 2015: Scientific evaluator, German Academic Exchange Service (DAAD), Germany.
- 2012: Scientific evaluator, Best PhD Thesis Prize, Italian Psychology Association, Italy.
- 2011: Scientific evaluator, Romanian National Council for Scientific Research, Romania.

Academic memberships

- 2015-present: Elected member of the International Neuropsychology Symposium (http://ins-1951.org).

Open scientific collaborations

- Marco Battaglia, University of Toronto, Canada.
- Christian Bellebaum, University of Dusseldorf, Germany.
- Manuela Berlingeri, University of Urbino, Italy.
- Cristina Baldoli, Pasquale A. Della Rosa, OSR, Milan, Italy.
- Valentina Bambini, IUSS, Pavia, Italy.
- Simona Brambati, Université de Montréal, Canada.
- Nicola Canessa, IUSS, Pavia, Italy.
- Zaira Cattaneo, University of Bergamo, Italy.
- Andrea Facoetti, University of Padova, Italy.
- Marta Ghio, University of Dusseldorf, Germany.
- Maria Teresa Guasti, University of Milano-Bicocca, Italy.
- Sara Mascheretti, University of Pavia, Italy.
- Gabriele Miceli, CIMeC, University of Trento, Italy.
- Costanza Papagno, CIMeC, University of Trento, Italy.
- Eraldo Paulesu, University of Milano-Bicocca, Italy.
- Arianna Sala, University of Liège, Belgium.

Grants and funding

- 2026-2028: Role of dynamic network-level interactions in consciousness states (Department of Psychology, University of Milano-Bicocca. Funds to support a post-doctoral researcher for 24 months, awarded through an internal competitive process, amount: 60369€). PI: Alberto Pisoni. Role: collaborator.
- 2025-2027: DIMMI! (Regione Lombardia, “Collabora & Innova” Grant, id. 6098388, amount: 300000 €). PI: Franca Garzotto. Role: collaborator.
- 2023-2026: Longitudinal assessment of multidomain reading-free neurocognitive markers for early detection of Developmental Dyslexia (FREE-DD) (id. PRIN2022 2022TA92HS, Italian Ministry of University and Research, amount: 212500€). Role: principal investigator and project coordinator. https://free-dd.psicologia.unimib.it/
- 2023: Longitudinal assessment of multidomain reading-free neurocognitive markers for early detection of Developmental Dyslexia (University of Milano-Bicocca, id. 2022-ATEQC-0017, funds for a 1-year post-doc fellowship, amount: 25000 €). PI: Natale Stucchi. Role: collaborator.
- 2023: The Posterior Cerebellum’s Causal Role in the Appreciation and Affectual Evaluation of Visual Art (id. IRIS 2022-INTERNAZ-0075, Society for the Psychology of Aesthetics, American Psychological Association, amount: 2975€). Recipient: Ryan J. Slaby, Role: supervisor.

• 2021-2022: University of Trento, post-doc fellowship for Seal of Excellence Marie Skłodowska-Curie Actions MSCA-IF-2020 applicants, amount: 41846€. Recipient: Tudor C. Popescu, Role: supervisor.

• 2019-2021: A multimodal investigation on the embodiment of emotion concepts under subliminal lexical-semantic processing conditions (id. University of Trento, Decree No. 48, 23.05.2019: CIMeC funds to support a post-doctoral researcher for 24 months, awarded through an internal competitive process with peer review of an external committee, amount: 65100€). Role: principal investigator.

• 2016-2018: Aspects of language variability: Socio-pragmatics and typology (id. 2016-PISASNS-0003599, Scuola Normale Superiore, Pisa, Italy). Role: collaborator.

• 2014-2015: The neural bases of corporeal awareness (id. PRIN 2010ENPRYE_2006, Italian Ministry of University and Research). Role: collaborator.

• 2012-2015: The neural mechanisms of social interactions (id. PRIN 2010XPMFW4_008, Italian Ministry of University and Research). Role: collaborator.

• 2008-2010: The neural correlates of ambiguity processing (id. PBZHP1-123315, Swiss National Science Foundation, amount: 64000€). Recipient: Birgit Keisker, Role: supervisor.

• 2006-2010: The Origins, Representation and Use of Abstract Concepts (ABSTRACT, id. 28714, STREP, FP6-2004-NEST-PATH-HUM, European Community). Role: collaborator.

• 2006-2008: A fMRI and genetic study of cerebral responses to social-emotional stimuli in children followed-up for social shyness (NARSAD Independent Investigator Award, amount: 83000€). Recipient: Marco Battaglia, Role: leader of the fMRI unit.

• 2006-2009: Tuning the Brain for Music (BRAINTUNING, id. 28570, Funding: STREP, FP6-2004-NEST-PATH-IMP, European Community). Role: collaborator.

• 2005-2006: Lexical-semantic and syntactic processing: imaging and patient studies (id. FIRB 2005119758-001, Italian Ministry of University and Research, amount: 224000€). Recipient: Stefano Cappa, Role: collaborator.

• 2003-2004: The role of the theory of syntax in elaborating experimental paradigms for the search of neural correlates of syntactic competence (id. FIRB 2003119330-009, Italian Ministry of University and Research, amount: 50000€). Recipient: Andrea Moro, Role: collaborator.

• 2000-2003: Network for efficiency and standardization of dementia diagnosis (NEST-DD) - EU-FP5-LIFE QUALITY (id. QLK6-CT-1999-02178). Role: collaborator.

• 1997-2000: Functional brain anatomy of Setting Lemma Diacritic Parameters (Training and Mobility of Researchers (TMR) Grant of the European Community (EU-FP4) through the Swiss National Science Foundation, id. 83EU-050204, amount: 128000€). Role: principal investigator.

Peer reviewing activity
Scientific journals

Web of Science Dashboard: https://www.webofscience.com/wos/author/record/1103877

• Advances in Cognitive Psychology
• Artificial Intelligence Review
• Behavioral and Brain Functions
• Bilingualism: Language and Cognition
• Biolinguistics
• Brain and Cognition
• Brain and Language

- Brain Research
- Brain Research Bulletin
- Brain Structure and Function
- Brain Topography
- Cambridge University Press
- Cerebral Cortex
- Child Development
- Cognition
- Cognitive, Affective, and Behavioral Neuroscience
- Communications Biology
- Cortex (Certificate of Reviewing Excellence 2013)
- Experimental Brain Research
- Frontiers in Bioscience
- Frontiers in Psychology
- Giornale Italiano di Psicologia
- Human Brain Mapping
- Imaging Neuroscience
- Journal of Clinical and Experimental Neuropsychology
- Journal of Cognitive Neuroscience
- Journal of Neurolinguistics
- Journal of Neuropsychology
- Journal of Neuroscience
- Journal of Psycholinguistic Research
- Language and Cognition
- Language, Cognition and Neuroscience
- Memory and Cognition
- MIT Press, Linguistics and Language Section
- Nature Communications
- Nature Human Behaviour
- Neurobiology of Language
- NeuroImage
- Neuropsychologia
- Neuropsychology Review
- PLoS Biology
- PloS ONE
- Proceedings of the National Academy of Sciences, U.S.A.
- Psychological Science
- Psychophysiology
- Scientific Reports
- Social Cognitive and Affective Neuroscience

Editorial activities

- Section Editor: Neuropsychologia, 2026-present.
- Reviewing Editor: Frontiers in Psychology, 2012-2022.
- Guest Editor: Perani D., Abutalebi J., **Tettamanti M.** Bilingualism: Acquisition of Linguistic and non-Linguistic Skills in Bilinguals. Brain and Language 109(2-3):51-156 (2009).

h-index *(2026, November 5)*

- Scopus: 38
- Web of Science:
- Google Scholar: 47
  (https://scholar.google.it/citations?user=x4qQl4AAAAAJ)

Peer-reviewed

1. **Tettamanti M.**, Armstrong J.D., Yang M.Y., Endo K., Furukubo-

publications
[I.F. = Impact Factor]

Tokunaga K., Kaiser K., Reichert H. Early development of the Drosophila mushroom bodies, brain centres for associative learning and memory. *Development Genes & Evolution* 207: 242-252 (1997). [I.F. 1.231]

2. Cappa S.F., Perani D., Schnur T., **Tettamanti M.**, Fazio F. The effects of semantic category and knowledge type on lexical-semantic access: A PET Study. *Neuroimage* 8: 350-359 (1998). [I.F. 5.611]
3. Perani D., Schnur T., **Tettamanti M.**, Gorno-Tempini M., Cappa S.F., Fazio F. Word and Picture Matching: a PET Study of Semantic Category Effects. *Neuropsychologia* 37:293-306 (1999). [I.F. 2.687]
4. Perani D., Cappa S.F., Schnur T., **Tettamanti M.**, Collina S., Rosa M., Fazio F. The neural correlates of verb and noun processing: a PET study. *Brain* 122 (12): 2337-2344 (1999). [I.F. 7.374]
5. Moresco R.M., **Tettamanti M.**, Gobbo C., Del Sole A., Ravasi L., Messa C., Paulesu E., Lucignani G., Perani D., Fazio F. Acute effects of 3-(4-acetamido)-butyrril-lorazepam (DDS2700) on brain function assessed by PET at rest and during attentive task. *Nuclear Medicine Communications* 22(4): 399-404 (2001). [I.F. 1.190]
6. Moro A., **Tettamanti M.**, Perani D., Cappa S.F., Donati C., Forbice V., Fazio F. Syntax and the brain: disentangling grammar by selective anomalies. *Neuroimage* 13(1):110-118 (2001). [I.F. 7.879]
7. Perani D.. Brunelli G.A., **Tettamanti M.**, Scifo P., Tecchio F., Rossini P.M., Fazio F. Remodelling of sensorimotor maps in paraplegia: a functional magnetic resonance imaging study after a surgical nerve transfer. *Neuroscience Letters* 303(1): 62-66 (2001). [I.F. 2.021]
8. Perani D., Fazio F., Borghese A., **Tettamanti M.**, Ferrari S., Decety J., Gilardi M.C. Different brain correlates for watching real and virtual hand actions. *Neuroimage* 14(3): 749-758 (2001). [I.F. 7.879]
9. **Tettamanti M.**, Paulesu E., Scifo P., Maravita A., Fazio F., Perani D., Marzi C.A. Interhemispheric transmission of visuomotor information in humans: fMRI evidence. *Journal of Neurophysiology* 88: 1051-1058 (2002). [I.F. 3.743]
10. **Tettamanti M.**, Alkadhi H., Moro A., Perani D., Kollias S., Weniger D. Neural correlates for the acquisition of natural language syntax. *NeuroImage* 17: 700-709 (2002). [I.F. 5.624]
11. Perani D., Cappa S.F., **Tettamanti M.**, Rosa M., Scifo P., Miozzo A., Basso A., Fazio F. A fMRI study of word retrieval in aphasia. *Brain and Language* 85(3): 357–368 (2003). [I.F. 1.317]
12. **Tettamanti M.**, Weniger D. The acquisition of natural language syntax: an fMRI study. *Bulletin suisse de linguistique appliquée* 78: 79-92 (2004).
13. Vitali P., **Tettamanti M.** La récupération de l'anomie: le chemin neurobiologique pour retrouver ses mots. *Rééducation orthophonique* 219: 95-106 (2004).
14. **Tettamanti M.,** Buccino G., Saccuman M.C., Gallese V., Danna M., Scifo P., Fazio F., Rizzolatti G., Cappa S.F., Perani D. Listening to action-related sentences activates fronto-parietal motor circuits. *Journal of Cognitive Neuroscience* 17(2): 273-281 (2005). [I.F. 4.533]
15. Vitali P., Abutalebi J., **Tettamanti M.**, Rowe J., Scifo P., Fazio F., Cappa S.F., Perani D. Generating animal and tool names: an fMRI study of effective connectivity. *Brain and Language* 93(1): 32-45 (2005). [I.F. 2.129]
16. **Tettamanti M.**, Moro A., Messa C., Moresco R.M., Rizzo G., Carpinelli A., Matarrese M., Fazio F., Perani D. Basal ganglia and language: phonology modulates dopaminergic release. *NeuroReport* 16(4): 397-401 (2005). [I.F. 1.995]
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Conference organization

• **Tettamanti M.** Member of the Programme Committee and Discussant, 1st Embodied and Situated Language Processing (ESLP) Conference (www.embodiedlanguage.org). University of Saarland, Saarbruecken, Germany. August 17-19, 2007.

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Situated Language Processing (ESLP) Conference (www.embodiedlanguage.org), University of Northumbria, Newcastle Upon Tyne, U.K. August 28-30, 2012.

• **Tettamanti M.** Member of the Scientific Committee and Discussant, 1st MODELACT Conference on Action, Language and Cognition, Rome, Italy. June 6-7, 2016.

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• **Tettamanti M.**, Grammatica e Cervello: Studio con tecniche di neuroimmagine (PET e fMRI), VI Congresso Nazionale della Società Italiana di Psicopatologia, Roma, 2001. Oral presentation.

• **Tettamanti M.**, Moro A., Weniger D., Alkadhi H., Crelier G., Perani D., Kollias S., Fazio F. Neural correlates of learning new grammatical rules: a fMRI study. Abstract presented at the 7th Annual OHBM Conference, Neuroimage 13(6/2): S616 (2001).

• Abutalebi J., Perani D., Scifo P., **Tettamanti M.**, Cappa S.F., Fazio F. Generating animal and tool names: a fMRI study of semantic fluency. Abstract presented at the 7th Annual OHBM Conference, Neuroimage 13(6/2): S492 (2001).

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• Abutalebi J., Keim K., Brambati S.M., **Tettamanti M.**, Danna M., Cappa S.F., De Bleser R., Perani D. Learning to read a dialect ErfMR evidence from Südtirol. Abstract presented at the 10th Annual OHBM Conference, Neuroimage, Poster MO1 (2004).

• Scifo P., **Tettamanti M.**, Blasi V., Gilardi M.C., Falini A., Perani D., Fazio F. SENSE fMRI at 3Tesla for the study of memory tasks. Abstract presented at the Second International Workshop on Parallel MRI, Zurich, 2004.

• **Tettamanti M.**, Rotondi I., Perani D., Scotti G., Fazio F., Cappa S.F., Moro A. Universal Grammar without language. Abstract presented at the 11th Annual OHBM Conference, Neuroimage 26(S1), e1-1035 (2005).

• Canessa N., Borgo F., Cappa S.F., Perani D., **Tettamanti M.**, Buccino G., Falini A., Buccino G., Rizzolatti G., Shallice T. The different neural correlates of action and functional knowledge in semantic memory: an ER-fMRI study. Abstract presented at the 11th Annual OHBM Conference, Neuroimage 26(S1), e1-402 (2005).

• **Tettamanti M.**, Rotondi I., Perani D., Scotti G., Fazio F., Cappa S.F., Moro A. Universal Grammar without language. Abstract presented at the San Raffaele Scientific Retreat, Bardolino (2006). Oral presentation.

• **Tettamanti M.**, Manenti R., Della Rosa P.A., Falini A., Perani D., Cappa S.F., Moro A. The Effects of Sentential Negation on Action Representation. Abstract presented at the San Raffaele Scientific Retreat, Bardolino (2006).

• **Tettamanti M.**, Manenti R., Della Rosa P.A., Falini A., Perani D., Cappa S.F., Moro A. The Effects of Sentential Negation on Action Representation. Abstract presented at the 12th Annual OHBM Conference, Neuroimage 31(S1), e1-303 (2006).

• Romero L., **Tettamanti M.**, Papagno C., Cappa S.F. The neural correlates of idiom comprehension: an fMRI study. Abstract presented at the 12th Annual OHBM Conference, Neuroimage 31(S1), e1-340 (2006).

• Vitali P., **Tettamanti M.**, Abutalebi J., Cappa S.F., Joanette Y. Generalisation of training for anomia in two aphasic patients: evidence from changes in cortical connectivity. Abstract presented at the 12th Annual OHBM Conference, Neuroimage 31(S1), e1-375 (2006).

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• Abutalebi J., Della Rosa P.A., Scifo P., Tognonato C., Daccò S., **Tettamanti M.**, Cappa S.F. A new approach to study differential recovery in bilingual aphasia: the combination of er-fMRI, DCM and DTI. Abstract presented at the 13th Annual OHBM Conference, Neuroimage 36(S1), e1-134 (2007).

• Enrici I., Adenzato M., Bara B.G., Cappa S.F., **Tettamanti M.**, The role of the posterior superior temporal sulci in understanding linguistic and extralinguistric communicative intentions. Abstract presented at the 14th Annual OHBM Conference, Neuroimage 41(S1), e1-391 (2008).

• Ghio M., **Tettamanti M.** Semantic domain-specific functional integration for action-related vs. abstract concepts. Abstract presented at the 2nd Annual Meeting of the Embodied & Situated Language Processing, Rotterdam (2009).

• Bartoli E., Caporizzo A., Tettamanti A., Gatti R., Moro A., Perani D., **Tettamanti M.** Better forelimb motor performance when listening to negative vs affirmative action-related sentences. Abstract presented at the 4th Workshop on Concepts, Actions, and Objects: Functional and Neural Perspectives, Rovereto (2010).

• Keisker B., Cappa S., Kollias S., **Tettamanti M.** The neural correlates of lexical and figural ambiguity processing. Abstract presented at the 16th Annual OHBM Conference, Abstract book, p. 9 (2010).

• Consonni M., Cafiero R., Marin D., **Tettamanti M.**, Iadanza A., Fabbro F., Perani D. The Role of Language Age of Acquisitilon and Proficiency In and Noun and Verb Processing in Bilinguals. Abstract presented at the 17th

Annual OHBM Conference, Abstract book, p. 70 (2011).

- Bara B., Enrici I., Cappa S.F., **Tettamanti M.**, Adenzato, M. Processing communicative intentions recruits a common neural network regardless of the expressive modalities. Abstract presented at the European Conference on Cognitive Science 2011.
- Romero Lauro L.J., Mattavelli G., Cappa S.F., Papagno C., **Tettamanti M.** La ragazza corre. La mente corre. La strada corre. Rappresentazioni sensorimotorie per verbi motori in senso letterale e figurato: uno studio con risonanza magnetica funzionale. Abstract presented at the Spring Meeting of the Società Italiana di Neuropsicologia, May 2011.
- Albertini S., **Tettamanti M.**, Moro A. Imposed disorder: syntax resistance in a task of voluntary sentence distortion. Abstract presented at the Fall Meeting of the Società Italiana di Neuropsicologia, November 2011.
- Romero Lauro L.J., Mattavelli G., Papagno C., **Tettamanti M.** Sensorimotor Representation for Motion Verbs in Literal vs Figurative Context: A fMRI Study. Abstract presented at the 50th Annual Meeting of the Academy of Aphasia, Procedia: Social & Behavioral Sciences 61: 224-225 (2012).
- Albertini S., **Tettamanti M.**, Moro A. Sintassi e working memory: un nuovo paradigma di valutazione. In *Atti del Convengno, AISC 2013* (Vol. 2, pp. 23 –28). Napoli, Italy: Giornale Italiano di Neuroscienze, Psicologia e Riabilitazione (2013).
- Ghio M., Vaghi M.M.S., **Tettamanti M.** fMRI mapping and decoding of fine-grained categories across abstract and concrete semantic domains. Abstract presented at the 20th Annual OHBM Conference (2014).
- Zapparoli L., **Tettamanti M.**, Porta M., Zerbi A., Servello D., Banfi G., Paulesu E. A push-pull cortico-subcortical effective connectivity pattern in Gilles de la Tourette Syndrome: an fMRI Dynamic Causal Modelling study. Abstract presented at the 1st World Congress on Tourette Syndrome and Tic Disorders, London, UK (2015).
- Muzzarelli L., **Tettamanti M.**, Taddei M., Battaglia M. The emotional processing network at the onset of social anxiety disorder: a combined diffusion tensor imaging and functional connectivity study. Abstract presented at the 29th ECNP Congress, Vienna. *European Neuropsychopharmacology* 26 (Suppl. 2) s328-s329 (2016).
- Conca F., **Tettamanti M.**, Perani D. Unaware processing in the neural system for action representation: evidence from a fMRI study. European Workshop on Cognitive Neuropsychology 2017, Brixen, January 2017.
- Ghio M., Conca F., Bellebaum C., Perani D., Tettamanti M. Effective connectivity in the action representation system during aware and unaware tool processing. Abstract presented at the 25th Annual OHBM Conference (2019).
- Bambini V., Bertinetto P.M., Codas Thompson J., **Tettamanti M.** Guaraní in the scanner: fMRI experiments on temporality and person reference. Abstract accepted for the Crosslinguistic Perspectives on Processing and Learning (X-PPL 2019) Conference, Zurich, Switzerland, 2019.
- Sacheli L., Verga C., Arcangeli E., Banfi G., **Tettamanti M.**, Paulesu E. Task interactivity shapes the premotor predictive coding of a partner's action. Poster presentation at the European Workshop on Cognitive Neuropsychology 2019, Brixen, Italy.
- Sacheli L., Verga C., Arcangeli E., Banfi G., **Tettamanti M.**, Paulesu E. Task interactivity shapes action observation. Poster presentation at the 8th Joint Action Meeting 2019, Genoa, Italy.
- Bas-Hoogendam J.M., Bernstein R., Benson B., …, Battaglia M., **Tettamanti M.**, …, Thompson P.M., Westenberg P.M., van der Wee N.J.A., Groenewold N.A., Stein D.J., Winkler A.M., Pine D.S., on behalf of the ENIGMA-Anxiety Working Group. Structural brain correlates of childhood inhibited temperament: rationale and methodology for an ENIGMA-Anxiety

mega-analysis. Online poster presentation at the 34th ECNP Congress 2021, Lisbon, Portugal.

• Beber S., Bontempi G., **Tettamanti M.**, Miceli G. Behavioral and neuroimaging evidence on semantically reversible sentence processing: focus on morphosyntactic processing and thematic role assignment. Online poster presentation at the European Workshop on Cognitive Neuropsychology 2022, Brixen, Italy.

• Ghio M., Cassone B., **Tettamanti M.** Processing emotion words in the absence of subjective awareness: an fMRI study. Poster presented at the 47th Annual Conference of Psychology and the Brain (PuG) 2022, Freiburg, Germany.

• Beber S., Bontempi G., Miceli G., **Tettamanti M.** The crucial role of left temporal regions in assigning thematic roles during sentence processing: A meta-analysis and review. Poster presented at the European Workshop on Cognitive Neuropsychology 2023 Brixen, Italy.

• Cara C., Zantonello G., Ghio M., **Tettamanti M.** Functional investigation of multiple neurocognitive deficits underlying dyslexia in adulthood. Poster presented at the 29th Annual OHBM Conference, Montreal, July 2023.

• Sala A., Ok B.A., Alnagger N., Abagnale S., Meys M., Wang Z., Bardiau M., Eickhoff S., **Tettamanti M.**, Laureys S., Gosseries O., Thibaut A., Annen J. A coordinate-based meta-analysis of brain alterations in disorders of consciousness. Poster presented at the 29th Annual OHBM Conference, Montreal, July 2023.

• Beber S., Bontempi G., Miceli G., **Tettamanti M.** Neurofunctional correlates of morphosyntactic processing and thematic role assignment. Poster presented at the 15th Annual Meeting of the Society for the Neurobiology of Language, Marseille, France, October 24-26, 2023. https://www.neurolang.org/2023/presentation/?id=1499.

• Beber S., Beyh A., Foulon C., Tomasi P., Terruzzi S., Bonavita J., **Tettamanti M.**, Miceli G., Forkel S. White matter correlations of sentence processing in individuals with post-stroke aphasia. Poster presented at the 30th Annual OHBM Conference, Seoul, June 2024.

• Carioti D., Loca G., Parisi C., Corigliano E., Basso G., Arosio F., Stucchi N.A., Guasti M.T., Della Rosa P.A., Berlingeri M., **Tettamanti M.** Searching for cognitive and neural biomarkers of Developmental Dyslexia: a longitudinal study on children with familial risk. Oral communication at the Annual Meeting of the Italian Society for Neuropsychology (SINP), Bologna, Italy, December 13th, 2024.

• Cara C., Canini M., Oprandi C., Pecco N., Cavoretto P.I., Candiani M., Falini A., Baldoli C, **Tettamanti M.‡**, Della Rosa P.A.‡ Resting-state functional connectivity in foetuses coupled with familial risk and prenatal speech exposure predicts early postnatal language abilities. In preparation. ‡Authors with equal contribution. Poster presented at the European Workshop on Cognitive Neuropsychology 2025 Brixen, Italy. https://drive.google.com/file/d/18KiljkL8bdRcTJmqlseNj8lPg5WFpmDV/view.

• Carioti D., Loca G., Parisi C., Corigliano E., Basso G., Arosio F., Stucchi N.A., Guasti M.T., Della Rosa P.A., Berlingeri M., **Tettamanti M.** Searching for cognitive and neural biomarkers of Developmental Dyslexia: a longitudinal study on children with familial risk. Poster presented at the European Workshop on Cognitive Neuropsychology 2025 Brixen, Italy. https://drive.google.com/file/d/1JJx7V3NbzAExAos6n0xnRYpONphB79VQ/view.

• Bonandrini R., **Tettamanti M.**, Luzzatti C. Probabilistic projection of cognitive functions through the human callosum. Poster presented at the European Workshop on Cognitive Neuropsychology 2026 Brixen, Italy.

• Bechtold L., Cara C., Tettamanti M., Bellebaum C., Ghio M. Context-dependent experiential grounding of ambiguous mathematical concepts.

Abstract presented at the 32th Annual OHBM Conference, Bordeaux, June 2026.

Honors & Awards

- Bonandrini R., **Tettamanti M.**, Luzzatti C. Probabilistic projection of cognitive functions through the human callosum. NeuroMI, Milan, Italy, October 16, 2025. *Best poster award*.

Invited talks & keynote lectures

- **Tettamanti M.**, The neural correlates of learning new syntactic rules. University Hospital, Zurich, May 3, 2000.
- **Tettamanti M.**, Different brain correlates for watching real and virtual hand actions. University Hospital, Zurich, March 26, 2001.
- **Tettamanti M.**, Interhemispheric transmission of visuomotor information in humans: fmri evidence. University Hospital, Zurich, April 3, 2002.
- **Tettamanti M.**, Esperimenti cognitivi con fMRI: Introduzione clinica, Corso ECM di “Imaging funzionale”, Como, October 15-17, 2003.
- **Tettamanti M.,** Modelli cognitivi del linguaggio ed imaging, Corso ECM di “Modelli cognitivi e programmi riabilitativi in relazione ai deficit afasici, aprassici e delle funzioni cognitive”, Trieste, May 20-21, 2005.
- **Tettamanti M.**, Neural correlates of action semantics and motor representations, National Congress of the Italian Society for Neuroscience and Joint Italian-Swedish Neuroscience Meeting, Ischia, Italy, October 1, 2005. Abstract book, p. 58.
- **Tettamanti M.**, Action semantics: I did, I do, I don't & fMRI, Guest lecture, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany, March 1, 2006.
- **Tettamanti M.**, fMRI and Effective Connectivity, International Conference Science of Aphasia (European Science Foundation), VII Meeting, Alghero, Italy, September 8, 2006.
- **Tettamanti M.** Le rappresentazioni neurali della struttura del linguaggio, Corso ECM di “Neuropsicologia e Neuroimaging”, Trieste, May 25-26, 2007.
- **Tettamanti M.** Supramodal responses to linguistic and non-linguistic structural properties in the inferior frontal cortex, International Neuropsychological Symposium, Mati, Greece, June 19-23, 2007.
- **Tettamanti M.** I did, I do, I don't. Invited Speaker at the Workshop on Embodied and Situated Language Processing (ESLP), Saarland University, Saarbruecken, Germany, August 17-19, 2007. Abstract book, p. 27.
- **Tettamanti M.** Supramodal Responses in the Inferior Frontal Cortex. Cognition, Perceptual and Brain Sciences Seminars, University College London, U.K., December 4, 2007.
- **Tettamanti M.**, Moro A., Affermazione e negazione: modulazione sintattica delle rappresentazioni cerebrali dell'azione. Invited talk of the “Seminario di Neurobiologia e Filosofia” Series, University of Milan, Italy, June 4, 2008.
- **Tettamanti M.** I do, I do not. Symposium “Language and the Motor System” at the 1st Meeting of the Federation of the European Societies of Neuropsychology, Edinburgh, UK, September 3, 2008. Abstract book, p. 62.
- **Tettamanti M.** Mappaggio delle aree del linguaggio con fMRI. Invited Speaker at the XXIV Congresso Nazionale dell' Associazione Italiana di Neuroradiologia, Roma, Italy, October 1, 2008. *The Neuroradiology Journal* 21(2): 33 (2008).
- **Tettamanti M.** Neuroimmagini e linguaggio: struttura supramodale e contenuto modale. Scuola Normale Superiore; Pisa, Italy, December 19, 2008.
- **Tettamanti M.** I do, I do not: semantic domain-specific functional

integration. Research colloquium, Department of Neuropsychology of the Institute for Cognitive Neuroscience, Ruhr-University Bochum, Germany , May 7, 2009.

- **Tettamanti M.** I do, I do not: Modulatory effects of syntax on semantic representations. Cognition, Perceptual and Brain Sciences Seminars, University College London, U.K., May 10, 2011.
- **Tettamanti M.** I do, I do not: Modulatory effects of syntax on semantic representations. Workshop on Neurobiology of Embodied Language (NOEL 2011), Bielefeld University, Germany, October 7, 2011.
- **Tettamanti M.** Risonanza magnetica funzionale, strutturale e del tensore di diffusione nello studio del recupero dall'afasia. Workshop on Language and Communication Disorders, Scuola Normale Superiore; Pisa, Italy, December 16, 2011.
- **Tettamanti M.** Embodiment versus Disembodiment: conceptual-semantic representations and their modulation by syntactic negation. IUSS, Pavia, Italy, May 21, 2013.
- **Tettamanti M.** Embodiment versus Disembodiment: conceptual-semantic representations and their modulation by syntactic negation. IGSN Symposium “Action semantics in the Brain”, Ruhr-University Bochum, Germany , December 2, 2013.
- **Tettamanti M.** An introduction to Dynamic Causal Modelling / Testing competing models with Dynamic Causal Modelling. University of Milano-Bicocca, Italy, December 9 and 16, 2013.
- **Tettamanti M.** Embodiment versus Disembodiment: conceptual-semantic representations and their modulation by syntactic negation. Associazione Italiana per le Scienze Cognitive (AISC) 2014 Conference, Roma, Italy, December 5, 2014.
- **Tettamanti M.** Experience-grounded conceptual-semantic representations and their modulation by linguistic context. MODELACT 2015 Workshop, Firenze, Italy, June 11, 2015.
- **Tettamanti M.** Experience-grounded conceptual-semantic representations and their modulation by linguistic context. Colloquium of the Psychology Department, University of Dusseldorf, Germany, February 9, 2016.
- **Tettamanti M.** Artificial Grammars as a formal account to study language processing, development, and evolution: a general overview. IUSS, Pavia, Italy, July 14, 2016.
- **Tettamanti M.** Functional Connectivity. Federation European Societies Neuropsychology, Berlin, September 1, 2016.
- **Tettamanti M.** Conceptual semantics as grounded in personal experience. San Raffaele Spring School of Philosophy 2017, Milan, May 24, 2017.
- **Tettamanti M.** Semantics as grounded in sensorimotor and personal experience. Humanitas Research Hospital and University, Milan, June 27, 2017.
- **Tettamanti M.** Functional Magnetic Resonance Imaging and its applications to the cognitive neuroscience of language, Institute Codas Thompson, Asunción, Paraguay, May 3, 2018.
- **Tettamanti M.** Brain dynamics for linguistic context processing: neuroimaging evidence, XPRAG.it 2018 Conference, Pavia, Italy, May 31, 2018. https://doi.org/10.3389/conf.fpsyg.2018.73.00010. https://osf.io/vgup3/.
- **Tettamanti M.** Brain dynamics of semantics grounded in personal experience. CIMeC Doctoral Day 2019, Rovereto, Italy, January 15, 2019.
- **Tettamanti M.** Hierarchical syntactic structures in language processing, development and evolution: an overview. IDEALAB PhD Winter School 2019. Rovereto, Italy, January 31, 2019.

• **Tettamanti M.** Brain dynamics of semantic processing grounded in personal experience. Conversazioni Linguistiche 2019-2020, University of Trento, Italy, November 22, 2019.

• **Tettamanti M.** Early typical and atypical development of language processing abilities. CReSCo Seminars, University of Trento, Italy, December 14, 2021.

• **Tettamanti M.** The neurodevelopmental brain readiness for language processing. Current Topics and Frontiers in Neurolinguistics, University of Pavia, Italy, May 11, 2023.

• **Tettamanti M.** Syntax and supramodality. Syntax meets the brain symposium, IUSS, Pavia, Italy, July 14, 2023.

• **Tettamanti M.** Tracking prenatal brain development for the early prediction of postnatal language abilities. DIMET Workshop, Ph.D. Program in Translational and Molecular Medicine, University of Milano-Bicocca, Monza, Italy, January 18, 2024.

• **Tettamanti M.** Tracking prenatal brain development for the early prediction of postnatal language abilities. LALP Lab Seminar, NTNU, Trondheim, Norway, April 24, 2024.

• **Tettamanti M.** Early prediction of reading and language abilities from prenatal and postnatal neurocognitive development. 6th Workshop of the Edulang Network, NTNU, Trondheim, Norway, April 11, 2025.

• **Tettamanti M.** Machine learning and multivariate techniques for neuroimaging data analysis. Summer school in Explainable, Trustworthy and Robust Artificial Intelligence, Como, Italy, September 10, 2025.

• **Tettamanti M.** The role of AI for fMRI data interpretation. NeuroMI, Milan, Italy, October 16, 2025.

• **Tettamanti M.** Early prediction of language abilities from prenatal and postnatal neurocognitive developmental trajectories. ConSOLE34, Pavia, Italy, January 28, 2026. *Keynote speaker.*

• **Tettamanti M.** Identification of neurocognitive markers for the early diagnosis of developmental dyslexia: a longitudinal study. XXXIV Congresso Nazionale AIRIPA, Cremona, Italy, September 17, 2026.

Outreach / Impact on Media

• **Tettamanti M.** Il linguaggio: Le recenti scoperte nel campo della neurobiologia. TV interview on Radiotelevisione Svizzera, broadcasted on April 27, 2014 (https://www.rsi.ch/la1/programmi/cultura/il-giardino-di-albert/Il-giardino-di-Albert-422167.html).

• **Tettamanti M.** Settimana del Cervello: i progressi fatti nell'ambito della ricerca sul cervello. Radio interview on Radiotelevisione Svizzera, broadcasted on March 17, 2015 (http://www.rsi.ch/rete-due/programmi/cultura/attualita-culturale/Ledizione-2015-della-ricerca-sul-cervello-4072439.html).

• **Tettamanti M.** Studioso di cervello e linguaggio nella Milano dell'Expo. Radio interview on Radiotelevisione Svizzera, broadcasted on April 30, 2015 (http://www.rsi.ch/rete-uno/programmi/intrattenimento/albachiara/gli-espatriati/Studioso-di-cervello-e-linguaggio-nella-Milano-dellExpo-4496320.html).

• Repubblica.it, November 25, 2017: Il cervello pianifica in modo automatico le azioni su alcuni oggetti. (http://www.repubblica.it/salute/ricerca/2017/11/25/news/cervello_reagisce_oggetti_intorno_inconsciamente-181815395/?refresh_ce).

• Featured in the "MIND, Mente & Cervello, Le Scienze" magazine, April, 2020: "E il cervello creò il verbo" by Campagna I. (https://www.lescienze.it/mind/articoli/2020/03/31/news/e_il_cervello_creo_il_verbo-4702575/).

• **Tettamanti M.** L'importanza del linguaggio per la plasticità cerebrale nel corso di vita. CIMeC's cycle "Che ti passa per la testa? Le neuroscienze a

casa tua". Broadcasted on March 30 and April 2, 2020. (https://www.youtube.com/watch?v=46gmOgTRRaU&feature=youtu.be).

• **Tettamanti M.** Il Cervello Sintattico. Lingua Italiana, Treccani Magazine, April 1, 2021. https://www.treccani.it/magazine/lingua_italiana/articoli/scritto_e_parlato/cervello3.html

• **Tettamanti M.** Contributor of "Penne Amiche della Scienza" (https://sites.google.com/view/penne-amiche-della-scienza/home), since 2021.

• TV RAI 1 "Uno Mattina", Featuring of the articicle "Beber S., Capasso R., Maffei C., **Tettamanti M.**, Miceli G. Distinct neural correlates of morphosyntactic and thematic comprehension processes in aphasia. Brain Communications, 7(2), fcaf093 (2025)", broadcasted on April 9, 2025.

Techiniques and skills in molecular biology

• Drosophila classical and molecular genetics.
• P[GAL4] enhancer-trapping.
• Hystological preparations.
• Immunohystochemistry.
• In-situ hybridization.
• Light- and fluorescence-microscopy, confocal-microscopy.
• Computed image processing.
• Invertebrate neurophysiology.

Techiniques and skills in neuroimaging and cognitive neuroscience

• Psycholinguistic and neuropsychological evaluations.
• Implementation of neuroimaging experiments.
• Positron Emission Tomography (PET) data acquisition: GE-Advance.
• Multimodal Magnetic Resonance Imaging (MRI) data acquisition: GE-Signa Horizon 1.5 T, Philips Intera/Achieva/Ingenia 3T.
• Trasncranial Magnetic Stimulation (TMS).
• Electroencephalography (EEG) and Event Related Potentials (ERPs).
• Analyze, MIPAV, ImageJ, and MRIcro(n) software.
• Statistical Parametric Mapping software (SPM) and extensions.
• Dynamic Causal Modelling, Structural Equation Modelling, Psycho-physiological interactions, (Resting State-) Functional Connectomics, Graph Theory.
• Independent Component Analysis and other model-free analyses.
• Multi-voxel pattern analysis and representation similarity analysis (PyMVPA, CoSMo, PRoNTo).
• Voxel-based morphometry, lesion-symptom mapping, and cortical surface analysis.
• FSL (FMRIB Software Library) software, including TBSS.
• Diffusion Weighted Imaging, Diffusion Tensor Imaging.
• Trackvis software, deterministic and probabilistic Tractography.
• Connectome Workbench / Caret and Freesurfer software for cortical segmentation, inflating and flattening.
• NiPpreps tools: MRIQC, fMRIPrep.
• Programming with Psychopy, Cogent (Matlab toolbox), Neurobehavioral Presentation, and Praat software.
• Programming with Matlab software.
• Programming with Python, IPython, and IPython Notebooks.
• Programming and statistical analysis with R software and R Markdown.
• Linux, Unix, MacIntosh, and Windows operating system platforms.
• Linux Debian system administration.