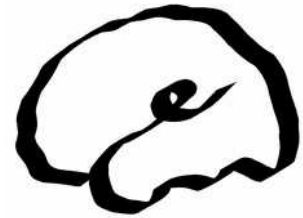


Curriculum Vitae



Personal information

- First & last names* • Marco Tettamanti
- Academic degree* • PhD
- Date of birth* • 30.10.1972
- Place of birth* • Bellinzona, Switzerland
- Nationality* • Swiss
- Civil status* • Married, 2 children
- ORCID* • <http://orcid.org/0000-0003-3039-1500>

Current position

- Associate Professor**
- Departments* • CIMeC - Center for Mind/Brain Sciences
- Institution* • University of Trento
- Address* • Via delle Regole 101, I-38123 Mattarello (TN), Italy
- Telephone* • +39-02-0461-283077
- Email* • marco.tettamanti-1@unitn.it
- Skype name* • mtettamanti
- Website* • <http://scholar.google.it/citations?user=x4qQI4AAAAAJ>

Language portfolio

- Mother tongue* • Italian

Other languages

Self-assessment (European level)*

<i>English</i>
<i>French</i>
<i>German</i>
<i>Spanish</i>
<i>Portuguese</i>

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient	C2	Proficient	C1	Proficient	C2	Proficient	C2	Proficient
C2	Proficient	C2	Proficient	C1	Proficient	C2	Proficient	C2	Proficient
C2	Proficient	C2	Proficient	C1	Proficient	C1	Proficient	C2	Proficient
B1	Independent	B1	Independent	A2	Basic	A2	Basic	A2	Basic
A2	Basic	A2	Basic	A1	Basic	A1	Basic	A1	Basic

*Common European Framework of Reference (CEF) level

Education and training

- Primary school* • 1978-1983: in Bellinzona
- Secondary school* • 1983-1987: in Bellinzona
- High school Matura* • 1987-1991: Scientific high school in Bellinzona. Final mark: 5.3/6
- University* • 1991-1996: Molecular biology (Biologie II) studies, at the Biozentrum of the University of Basel, Switzerland. The curriculum included intensive theoretical and practical courses in biophysics, biochemistry, microbiology and cell-biology.
- Diploma (MSc) thesis* • 1994-1995: Title: "Development of the Mushroom Bodies of *Drosophila melanogaster*". Supervisors: Prof. Heinrich Reichert (Zoologisches Institut, University of Basel), Prof. John. G. Nicholls (Biozentrum).
- Diploma (MSc degree)* • April 1996: Degree in Biologie II, with specialization in Neurobiology and mention *cum laude* (Final mark: 5.1/6)

- PhD training* •2000-2003: Ph.D. Neuroscience Program of the Neuroscience Center of the University of Zurich, Switzerland.
- PhD thesis* •Title: “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* •February 10, 2004: PhD degree (Dr. sc. nat.) from the Natural Sciences Faculty, University of Zurich.
- Habilitation to Associate Professor level* •February 25, 2014: “Abilitazione Scientifica Nazionale come Professore di II fascia nel settore concorsuale 11/E1”, corresponding to the Associate Professor level. The habilitation has validity until February 25, 2020.
- Habilitation to Full Professor level* •April 10, 2017: “Abilitazione Scientifica Nazionale come Professore di I fascia nel settore concorsuale 11/E1”, corresponding to the Full Professor level. The habilitation has validity until April 10, 2023.

Research and academic positions

- 1997-2000* •Training and Mobility of Researchers (EU-FP4) Grant Fellow, San Raffaele Scientific Institute, Milan, Italy.
- 2000-2003* •Research fellow (borsista), San Raffaele Scientific Institute, laboratory of Prof. Stefano F. Cappa and Prof. Daniela Perani.
- 2003-2006* •Tenure-track full-time IRCCS research fellow, San Raffaele Scientific Institute.
- 2006-2018* •Tenured full-time IRCCS research fellow, San Raffaele Scientific Institute.
- 2018-present* •Associate Professor in Psychobiology and Psychophysiology, CIMeC - Center for Mind/Brain Sciences, University of Trento, Italy.

Lectureships

- 2001-2002, 2012-2017* •Contract Professor for the Degree Programme in Physiotherapy, Medicine Faculty, Vita-Salute San Raffaele University, Milano, Italy. Course modules in “Neurophysiology of cognitive processes” and “Neurolinguistics”.
- 2005-2015* •Contract Professor at the 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), “Exp. Psy. Neuroim.: Exercises (2013-2015)”, “Neurobiology of Language: Exercises” (2009-2010), “Neurobiology of Language: Exercises” (2013-2015).
- 2007, October 9,10,11 and 2009, February 23,24* •Visiting Lecturer at the MSc in Human Cognitive Neuropsychology, Edinburgh University, U.K.
- 2011-present* •Visiting Lecturer at the MSc in Clinical Neurosciences. Catholic University of Milan & Brescia, Italy.
- 2015, March 30* •Visiting Lecturer at the BSc in Psychology: course of instrumental methods, University Milano Bicocca, Italy.

Student supervision and Institutional

- 2004-2019: Supervision of 16 BSc Degree Theses, 21 MSc Degree Theses, and 2 PhD Theses at the Faculties of Psychology,

responsibilities

Medicine, and Philosophy, Vita-Salute University.

- 2005-2010: Assistant tutor of the students in the Cognitive Neuroscience Program at the Psychology Faculty, Vita-Salute San Raffaele University, Milan, Italy.
- 2007-2008: Supervision of a MSc Thesis in Linguistics, Faculty of Humanities, University of Siena, Italy.
- 2008-2009: Supervision of a MSc Thesis in Bioengineering, Polytechnic University of Milan, Italy.
- 2008-present: Supervision of the research activity of 2 international visiting post-doc students (1 year stay, each), 1 international visiting PhD student (6 months stay), 1 international internship student, and 7 Italian internship students.
- 2010-2018: Faculty member of the PhD Programme in Cognitive Neuroscience and Philosophy of the Mind, IUSS, Pavia, Italy.
- 2010-2013: Co-supervision of a PhD Thesis in Linguistics, Scuola Normale Superiore, Pisa, Italy.
- 2015-2016: Committee Member for 1 PhD Thesis, International School for Advanced Studies (SISSA), Trieste, Italy.
- 2017: Committee Member for 1 Habilitation Thesis, University of Poitiers, France.
- 2019-present: Vice-coordinator and committee member of the Doctoral Program in Cognitive and Brain Sciences, CIMeC, University of Trento, Italy.

Commissions of trust

- 2019: Scientific evaluator, French National Research Agency (ANR).
- 2016: Scientific evaluator, International School for Advanced Studies (SISSA), Trieste, Italy.
- 2016: Scientific evaluator, Israel Science Foundation (ISF), Israel.
- 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>).
- 2017-2018: member of the Centre for Neurolinguistics and Psycholinguistics, Vita-Salute San Raffaele University, Milano, Italy (www.neurolinguist.net).

Open scientific collaborations

- Christian Bellebaum, Marta Ghio, Psychology Department, University of Dusseldorf, Germany.
- Eraldo Paulesu, Psychology Department, University Milan-Bicocca, Italy.
- Manuela Berlingeri, University of Urbino, Italy.
- Nicola Canessa, Valentina Bambini, IUSS Center for Neurocognition and Theoretical Syntax, Pavia, Italy.

- Pier Marco Bertinetto, Linguistics Laboratory, Scuola Normale Superiore, Pisa, Italy.
- Mauro Adenzato, Ivan Enrici, Center for Cognitive Science, University of Turin, Italy.

Grants and funding

- 1997-2000: Training and Mobility of Researchers (TMR) Grant of the European Community (EU-FP4) through the Swiss National Science Foundation (id. 83EU-050204). Role: principal investigator.
- 2000-2003: Network for efficiency and standardization of dementia diagnosis (NEST-DD) - EU-FP5-LIFE QUALITY (id. QLK6-CT-1999-02178). Role: collaborator.
- 2003-2004: Italian Ministry of University and Research (id. FIRB 2003119330-009). Role: collaborator.
- 2005-2006: Italian Ministry of University and Research (id. FIRB 2005119758-001). Role: collaborator.
- 2006-2009: Tuning the Brain for Music (BRAINTUNING, id. 28570, Funding: STREP, FP6-2004-NEST-PATH-IMP, 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). Role: fMRI team leader.
- 2006-2010: The Origins, Representation and Use of Abstract Concepts (ABSTRACT, id. 28714, STREP, FP6-2004-NEST-PATH-HUM, European Community). Role: collaborator.
- 2008-2010: The neural correlates of ambiguity processing (id. PBZHP1-123315, Swiss National Science Foundation). Role: scientific supervisor.
- 2012-2015: The neural mechanisms of social interactions (id. PRIN 2010XPMFW4_008, Italian Ministry of University and Research). Role: collaborator.
- 2014-2015: The neural bases of corporeal awareness (id. PRIN 2010ENPRYE_2006, Italian Ministry of University and Research). Role: collaborator.
- 2016-2018: Aspects of language variability: Socio-pragmatics and typology (id. 2016-PISASNS-0003599, Scuola Normale Superiore, Pisa, Italy). Role: collaborator.
- 2019-2021: A multimodal investigation on the embodiment of emotion concepts under subliminal lexical-semantic processing conditions (id. University of Trento, Decree n.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). Role: principal investigator.

Peer reviewing activity *Scientific journals & publications*

- Publons: publons.com/a/1188871/
- Advances in Cognitive Psychology
 - Bilingualism: Language and Cognition
 - Biolinguistics
 - Brain and Cognition
 - Brain and Language
 - Brain Research
 - Brain Research Bulletin
 - Brain Topography

- Cerebral Cortex
- Cognition
- Cognitive, Affective, and Behavioral Neuroscience
- Cortex (Certificate of Reviewing Excellence 2013)
- Experimental Brain Research
- Frontiers in Bioscience
- Frontiers in Psychology
- Giornale Italiano di Psicologia
- Human Brain Mapping
- Journal of Clinical and Experimental Neuropsychology
- Journal of Cognitive Neuroscience
- Journal of Neurolinguistics
- Journal of Neuroscience
- Language and Cognition
- Language, Cognition and Neuroscience
- Memory and Cognition
- MIT Press, Linguistics and Language Section
- NeuroImage
- Neuropsychologia
- PloS ONE
- Psychological Science
- Scientific Reports
- Social Cognitive and Affective Neuroscience

Reviewing editor
Scientific journals

- Frontiers in Psychology

Guest editorial activities

- 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 (2019, March 12)

- Scopus: 28
- Web of Science: 27
- Google Scholar: 34

Peer-reviewed publications
[I.F. = Impact Factor]

- Tettamanti M.**, Armstrong J.D., Yang M.Y., Endo K., Furukubo-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]
- 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]
- 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]
- 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]
- 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)-butyryl-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]

•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]

•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]

•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]

•**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]

•**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]

•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]

•**Tettamanti M.**, Weniger D. The acquisition of natural language syntax: an fMRI study. *Bulletin suisse de linguistique appliquée* 78: 79-92 (2004).

•Vitali P., **Tettamanti M.** La récupération de l'anomie: le chemin neurobiologique pour retrouver ses mots. *Rééducation orthophonique* 219: 95-106 (2004).

•**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]

•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]

•**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]

•**Tettamanti M.**, Weniger D. Broca's area: a supramodal hierarchical processor? *Cortex*, 42(4): 491-494 (2006). [I.F. 3.724]

•Abutalebi J., Keim K., Brambati S.M., **Tettamanti M.**, Cappa S.F., De Bleser R., Perani D. Late acquisition of literacy in a native language, *Human Brain Mapping* 28(1): 19-33 (2007). [I.F. 6.151]

•Vitali P., Abutalebi J., **Tettamanti M.**, Danna M., Ansaldo A.I., Perani D., Joannette Y., Cappa S.F. Training-induced brain remapping in aphasia: a pilot study. *Neurorehabilitation and Neural Repair* 21(2): 152-160 (2007). [I.F. 3.823]

•Romero L., **Tettamanti M.**, Cappa S.F., Papagno C. Idiom comprehension: a prefrontal task? *Cerebral Cortex* 18(1): 162-170 (2008). [I.F. 6.519]

•Siri S., **Tettamanti M.**, Cappa S.F., Della Rosa P., Saccuman C., Scifo P., Vigliocco G. The neural substrates of naming events: effects of processing demands but not of grammatical class. *Cerebral Cortex* 18(1): 171-177 (2008). [I.F. 6.519]

•Canessa N., Borgo F., Cappa S.F., Perani D., Falini A., Buccino G., **Tettamanti M.**, Shallice T. The different neural correlates of action and functional knowledge in semantic memory: an fMRI study. *Cerebral Cortex* 18(4): 740-751 (2008). [I.F. 6.519]

•**Tettamanti M.**, Manenti R., Della Rosa P.A., Falini A., Perani D., Cappa

- S.F., Moro A. Negation in the brain: modulating action representations. *Neuroimage* 43(2): 358-367 (2008). [I.F. 5.457]
- **Tettamanti M.**, Rotondi I., Perani D., Scotti G., Fazio F., Cappa S.F., Moro A. Syntax without language: neurobiological evidence for cross-domain syntactic computations. *Cortex* 45(7): 825-838 (2009). [I.F. 3.123]
 - Abutalebi J., **Tettamanti M.**, Perani D. The bilingual brain: linguistic and non-linguistic skills. *Brain and Language* 109(2-3):51-54 (2009). [I.F. 2.973]
 - Abutalebi J., Della Rosa P.A., **Tettamanti M.**, Green D., Cappa S.F. Bilingual aphasia and language control: a follow-up fMRI and effective connectivity study. *Brain and Language* 109(2-3):141-156 (2009). [I.F. 2.973]
 - Ghio M., **Tettamanti M.** Semantic domain-specific functional integration for action-related vs. abstract concepts. *Brain and Language* 112 (3): 223-232 (2010). [I.F. 2.981]
 - Manenti R., **Tettamanti M.**, Cotelli M., Miniussi C., Cappa S.F. The neural bases of word encoding and retrieval: a fMRI-guided transcranial magnetic stimulation study. *Brain Topography* 22(4): 318-332 (2010). [I.F. 3.288]
 - Vitali P., **Tettamanti M.**, Abutalebi J., Ansaldo A.I., Perani D., Cappa S.F., Joannette Y. Generalization of training for anomia: evidence from changes in cortical connectivity. *Neurocase* 16(2): 93-105 (2010). [I.F. 1.069]
 - Enrici I., Adenzato M., Cappa S., Bara B.G., **Tettamanti M.** Intention processing in communication: A common brain network for language and gestures. *Journal of Cognitive Neuroscience* 23: 2415-2431 (2011). [I.F. 5.175]
 - **Tettamanti M.**, Rognoni E., Cafiero R., Costa T., Galati D., Perani D. Distinct pathways of neural coupling for different basic emotions. *Neuroimage* 59(2): 1804-1817 (2012). [I.F. 6.252]
 - Battaglia M., Zanoni A., Taddei M., Giorda R., Bertolotti E., Lampis V., Scaini S., Cappa S., **Tettamanti M.** Cerebral Responses to Expressions of Emotions and the Development of Social Anxiety Disorder: a Longitudinal Study. *Depression and Anxiety* 29(1): 49-61 (2012). [I.F. 4.610]
 - **Tettamanti M.**, Moro A. Can syntax appear in a mirror (system)? *Cortex* 48(7): 923-935 (2012). [I.F. 6.161]
 - Taddei M.[‡], **Tettamanti M.**[‡], Zanoni A., Cappa S., Battaglia M. Brain White Matter Organisation in Adolescence is Related to Childhood Cerebral Responses to Facial Expressions and Harm Avoidance. *Neuroimage* 61(4): 1394-1401 (2012). [‡]Authors with equal contribution. [I.F. 6.252]
 - Marcone A., Garibotto V., Moresco R.M., Florea I., Panzacchi A., Carpinelli A., Virta J.R., **Tettamanti M.**, Borroni B., Padovani A., Bertoldo A., Herholz K., Rinne J., Cappa S., Perani D. ¹¹C-MP4A PET cholinergic measurements in aMCI, pAD and DLB: A Bayesian method and voxel-based analysis. *Journal of Alzheimer Disease* 31(2): 387-399 (2012). [I.F. 4.174]
 - Alemanno F., Houdayer E., Cursi M., Velikova S., Tettamanti M., Cappa S.F., Leocani L. Action-related semantic content and negation polarity modulate motor areas during sentence reading: a mu event-related desynchronization study. *Brain Research* 1484(12): 39-49 (2012). [I.F. 2.879]
 - Locatelli M., Gatti R., **Tettamanti M.** Training of Manual Actions Improves Language Understanding of Semantically-Related Action Sentences. *Frontiers in Psychology* 3(547): 1-10 (2012). [I.F. 2.800]
 - Bellebaum C., **Tettamanti M.**, Marchetta E., Della Rosa P.A., Rizzo G. Daum I., Cappa S.F. Neural representations of unfamiliar objects are modulated by sensorimotor experience. *Cortex* 49(4): 1110-1125 (2013). [I.F. 6.042]
 - Bianchi A.M., Marchetta E., Tana M.G., **Tettamanti M.**, Rizzo G. Frequency-based approach to the study of semantic brain networks

- connectivity. *Journal of Neuroscience Methods* 212(2): 181-189 (2013). [I.F. 1.959]
- Bartoli E., Tettamanti A., Farronato P., Caporizzo A., Moro A., Gatti R., Perani D., **Tettamanti M.** The disembodiment effect of negation: negating sentences related to actions involving proximal or distal arm musculature attenuates their interference with congruent arm movements. *Journal of Neurophysiology* 109(7): 1782-1792 (2013). [I.F. 3.041]
 - Consonni M., Cafiero R., Marin D., **Tettamanti M.**, Iadanza A., Fabbro F., Perani D. Neural convergence for language comprehension and grammatical class production in highly proficient bilinguals is independent of age of acquisition. *Cortex* 49(5): 1252-1258 (2013). [I.F. 6.042]
 - Tettamanti M.** A research program in neuroimaging for an evolutionary theory of syntax. *Language and Cognition* 5(2-3): 57-66 (2013).
 - Ghio M., Vaghi M.M.S., **Tettamanti M.** Fine-grained semantic categorization across the abstract and concrete domains. *PLoS ONE* 8(6): e67090 (2013). [I.F. 3.534]
 - Garibotto V.‡, **Tettamanti M.**‡, Marcone A., Florea I., Panzacchi A., Moresco R., Cappa S.F., Perani D. Cholinergic activity correlates with reserve proxies in Alzheimer's Disease. *Neurobiology of Aging* 34(11): 2694.e13-2694.e18 (2013). ‡Authors with equal contribution. [I.F. 4.853]
 - Romero Lauro L.J., Mattavelli G., Papagno C., **Tettamanti M.** She runs, the road runs, my mind runs, bad blood runs between us: literal and figurative motion verbs. An fMRI study. *Neuroimage* 83: 361-371 (2013). [I.F. 6.132]
 - Canessa N., Crespi C., Motterlini M., Baud-Bovy G., Chierchia G., Pantaleo G., **Tettamanti M.**, Cappa S.F. The functional and structural neural basis of individual differences in loss aversion. *Journal of Neuroscience* 33(36): 14307-14317 (2013). [I.F. 6.747]
 - Tettamanti M.** «Rappresentazioni» come reti neurali distribuite in un'ottica Embodied. *Giornale Italiano di Psicologia* 1: 109–114 (2013).
 - Vigliocco G., Kousta S., Della Rosa P.A., Vinson D., **Tettamanti M.**, Devlin J.T., Cappa S.F. The Neural Representation of Abstract Words: The Role of Emotion. *Cerebral Cortex* 24(7):1767-1777 (2014). [I.F. 8.305]
 - Rüther N.N., **Tettamanti M.**, Cappa S.F., Bellebaum C. Observed Manipulation Enhances left Fronto-Parietal Activations in the Processing of Unfamiliar Tools. *PLoS ONE* 9(6): e99401 (2014). [I.F. 3.534]
 - Spada D., Verga L., Iadanza A., **Tettamanti M.**, Perani D. Melody, accompaniment, and the auditory scene: an fMRI study with professional pianists. *Neuroimage* 102, part 2, 764–775 (2014). [I.F. 6.357]
 - Migliardi M., Merlo A., **Tettamanti M.** Reducing energy consumption in prospective memory support system through hierarchical positioning algorithm. Proceedings - 2014 International Conference on Intelligent Networking and Collaborative Systems, IEEE INCoS 2014, pp. 575–580 (2014).
 - Albertini S., **Tettamanti M.**, Moro A. Sintassi e working memory: un nuovo paradigma di valutazione. *Sistemi Intelligenti XXVII*(1), 27–44 (2015).
 - Danelli L., Marelli M., Berlinger M., **Tettamanti M.**, Sberna M., Paulesu E., Luzzatti C. Framing effects reveal discrete lexical-semantic and sublexical procedures in reading: an fMRI study. *Frontiers in Psychology* 6(1328): 1-18 (2015). [I.F. 2.800]
 - Ghio M. Vaghi M.M.S., Perani D., **Tettamanti M.** fMRI mapping and decoding of fine-grained conceptual categories across abstract and concrete semantic domains. *Neuroimage* 132: 93-103. (2016). [I.F. 5.835]
 - Caminiti S.P.‡, **Tettamanti M.**‡, Sala A.‡, Presotto L., Iannaccone S., Cappa S.F., Magnani G., Perani D., for the A.D.N.I. Metabolic connectomics targeting brain pathology in dementia with Lewy bodies. *Journal of Cerebral Blood Flow & Metabolism* 37(4): 1311-1325 (2017).

‡Authors with equal contribution. [I.F. 6.045]

- **Tettamanti M.**, Vaghi M.M.S., Bara B.G., Cappa S.F., Enrici I., Adenzato M. Effective connectivity gateways to the Theory of Mind network in processing communicative intention. *Neuroimage* 155: 169-176 (2017). [I.F. 5.426]
- Malpetti M., Ballarini T., Presotto L., Garibotto V., **Tettamanti M.**, Perani D. Gender Differences in Healthy Aging and Alzheimer's Dementia: a 18F-FDG-PET study of brain reserve. *Human Brain Mapping* 38(8): 4212-4227 (2017). [I.F. 4.927]
- Zapparoli L., **Tettamanti M.**, Porta M., Zerbi A., Servello D., Banfi G., Paulesu E. A tug of war: antagonistic effective connectivity patterns over motor cortex and the severity of motor symptoms in Gilles de la Tourette syndrome. *European Journal of Neuroscience* 46(6): 2203-2213 (2017). [I.F. 2.832]
- **Tettamanti M.**, Conca F., Falini A., Perani D. Unaware processing of tools in the neural system for object-directed action representation. *Journal of Neuroscience* 37(44): 10712-10724 (2017). [I.F. 5.970]
- Ghio M., Locatelli M., Tettamanti A., Perani D., Gatti R., **Tettamanti M.** Cognitive training with action-related verbs induces neural plasticity in the action representation system as assessed by gray matter brain morphometry. *Neuropsychologia* 114: 186-194 (2018). [I.F. ?]
- Ghio M., Haegert K., Vaghi M.M., **Tettamanti M.** Sentential negation of abstract and concrete conceptual categories: a brain decoding multivariate pattern analysis study. *Philosophical Transactions of the Royal Society of London. Series B, Biological Sciences* 373(1752): 20170124. [I.F. ?]
- Zapparoli L., Seghezzi S., Scifo P., Zerbi A., Banfi G., **Tettamanti M.**, Paulesu E. Dissecting the neurofunctional bases of intentional action. *Proceedings of the National Academy of Sciences, U.S.A.*, 115(28): 7440-7445 (2018). [I.F. ?]
- Conca F., **Tettamanti M.** Conceptual semantics as grounded in personal experience. *Phenomenology and Mind* 14: 98-116 (2018). [I.F. ?]
- Bechtold L., Bellebaum C., Egan S., **Tettamanti M.**, Ghio M. The role of experience for abstract concepts: Expertise modulates the electrophysiological correlates of mathematical word processing. *Brain and Language* 118: 1-10 (2019). [I.F. ?]
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- Sacheli L.M., Verga C., Arcangeli E., Banfi G., **Tettamanti M.**, Paulesu E. Shared goals shape the brain physiology of action observation. *Submitted*.
- Papagno C., Barvas E., **Tettamanti M.**, Gainotti G. Selective defects of face familiarity in a patient with acquired prosopagnosia due to an extensive left temporo-occipital lesion. *Submitted*.
- Zapparoli L., Seghezzi S., Zirone E., Guidali G., **Tettamanti M.**, Banfi G., Bolognini N., Paulesu E. How the effects of actions become our own. *In preparation*.
- **Tettamanti M.**, Muzzarelli L., Taddei M., Battaglia M. Discovering the cerebral network of emotional processing in social anxiety: a combined diffusion tensor imaging and functional connectivity study. *In preparation*.
- Canessa N., Baud-Bovy G., Crespi C., Dodich A., Falini A., **Tettamanti M.**, Cappa S.F. Intrinsic striatal-insular effective connectivity drives individual differences in loss aversion. *In preparation*.
- Iaccarino L., **Tettamanti M.**, Cerami C., Iannaccone S., Magnani G., Cappa S.F., Perani D. The impact of different intensity normalization techniques in Dementia with Lewy Bodies ¹⁸F-FDG-PET studies. *In preparation*.
- Romero Lauro L.J., Berlinger M., **Tettamanti M.** Not everybody can read it: a unified segmentation study on subliminal word perception. *In*

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•Danelli L., Berlingeri M., **Tettamanti M.**, Paulesu E. How many deficits in the same dyslexic brains? Univariate and multivariate truths. *In preparation.*

Books and Chapters

•Rizzo G., Vitali P., Baselli G., **Tettamanti M.**, Scifo P., Cerutti S., Perani D., Fazio F. Exploring semantic Memory Areas by Functional MRI. In: Akay M. (ed.), Handbook of Neural Engineering, Wiley-IEEE Press, pp. 211-226 (2007).

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•**Tettamanti M.**, Perani D. The neurobiology of structure-dependency in natural language grammar. Vol. 1, Ch. 12. In: Faust M. (ed.), Handbook of the Neuropsychology of Language, Blackwell, pp. 229-251 (2012).

•Migliardi M., Degano C., **Tettamanti M.** Fostering Independent Living in the Aging Population through Proactive Paging. In: Xhafa F., Moore P., Tadros G. (eds.), Advanced Technological Solutions for E-Health and Dementia Patient Monitoring, IGI Global, Hershey (PA), USA, pp. 239-271 (2015).

•Ghio M., **Tettamanti M.** Grounding sentence processing in the Sensory-Motor System. Ch. 52. In: Small S.L., Hickok, G. (eds.), The Neurobiology of Language, Elsevier, pp. 647-657 (2015).

•**Tettamanti M.** Il Cervello Sintattico. Editore Carocci. *In preparation.*

Conference presentations

•**Tettamanti M.**, Perani D., Cappa S.F., Schnur T., Collina S., Rosa M., Fazio F. Grammatical Categories in the Brain: the neural correlates of concrete/abstract verb and noun processing. Abstracts of the Society for Neuroscience Meeting 1998, 15.11, p.21. Los Angeles. Oral presentation.

•Cappa S.F., Perani D., **Tettamanti M.**, Scifo P., Miozzo A., Rosa M., Fazio F. Grammatical Categories in the Brain: the neural correlates of concrete/abstract verb and noun processing. Abstracts of the Society for Neuroscience Meeting 1998, 15.11, p.21. Los Angeles. Oral presentation.

•Cappa S.F., Perani D., **Tettamanti M.**, Scifo P., Miozzo A., Rosa M., Fazio F. Recovery of aphasia: a fMRI study. Abstracts of the European Neuroscience Society Meeting 1998, 120.07, p.306.

•Perani D., Brunelli G., **Tettamanti M.**, Blasi V., Scifo P., Paulesu E., Fazio F. fMRI Study of the Functional Reorganization of the Sensorimotor Cortex in Papaplegia: Ulnar Nerve Surgical Transfer as a Model. Abstracts of the Society for Neuroscience Meeting 1998, 654.1, p.1666.

•**Tettamanti M.**, Moro A., Perani D., Cappa S.F., Donati C., Forbice V., Compierchio A., Fazio F. Syntax in the brain. Abstracts of the Society for Neuroscience Meeting 1999, 724.11, p.1814. Oral presentation.

•Marzi C.A., Perani D., Paulesu E., **Tettamanti M.**, Maravita A., Scifo P., Fazio F. Cortical areas involved in the interhemispheric transfer of visuomotor information: evidence from fMRI. Abstracts of the Society for Neuroscience Meeting 2000.

•**Tettamanti M.**, Moro A., Weniger D., Menoncello L., Alkadhi H., Crelier G., Scifo P., Cappa S.F., Perani D., Kollias S., Fazio F. Neural correlates of learning new grammatical rules: a fMRI study. Abstract presented at the 29th Annual INS Conference, J. Internat. Neuropsychol. Soc. 7(2):198 (2001). Oral presentation.

•**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

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- 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 HBM Conference, Neuroimage 13(6/2): S492 (2001).
 - **Tettamanti M.**, Buccino G., Saccuman C., Danna M., Scifo P., Fazio F., Gallese V., Perani D., Cappa S.F., Rizzolatti G. Listening to sentences describing different motor actions activates the corresponding representations in the premotor cortex. Abstract presented at the 8th Annual HBM Conference, Neuroimage 16(2), (2002).
 - Abutalebi J., Keim K., Brambati S.M., **Tettamanti M.**, Danna M., Cappa S.F., De Bleser R., Perani D. Learning to read a dialect: fMRI evidence from Südtirol. Abstract presented at the 10th Annual HBM 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 HBM 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 HBM 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 HBM 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 HBM 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 HBM Conference, Neuroimage 31(S1), e1-375 (2006).
 - Rognoni E., **Tettamanti M.**, Bricchetto Costa T., Galati D., Perani D., Cappa S.F. Basic emotions induced by watching video-clips: an event-related fMRI study. Abstract presented at the 13th Annual HBM Conference, Neuroimage 36(S1), e1-118 (2007).
 - 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 HBM 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 extralinguistic communicative intentions. Abstract presented at the 14th Annual HBM 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 HBM 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 Acquisition and Proficiency In and Noun and Verb Processing in Bilinguals. Abstract presented at the 17th Annual HBM 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 submitted to 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 submitted to 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 submitted to 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 Convegno, 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 HBM 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 submitted for the 25th Annual HBM Conference (2019).

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, 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 ESP07 "Embodied sentence processing", Saarland University, 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 Milan-Bicocca, Italy, December 9 and 16, 2013.
- **Tettamanti M.** Embodiment versus Disembodiment: conceptual-semantic representations and their modulation by syntactic negation. AISC 2015 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. <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.

Impact on Media

- **Tettamanti M.** Il linguaggio: Le recenti scoperte nel campo della neurobiologia. TV interview on Radiotelevisione Svizzera, broadcasted on April 27, 2014 (<http://www5.rsi.ch/home/networks/la1/cultura/Il-giardino-di-Albert/2014/04/14/giardino-27-apr.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.

Techniques and skills in molecular biology

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

Techniques 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.
- Transcranial 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, Psychophysiological interactions, (Resting State-) Functional Connectomics, Graph Theory.
- Independent Component Analysis and other model-free analyses.
- Multi-voxel pattern analysis (PyMVPA, PRoNTTo).
- 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.
- 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.