

Curriculum Vitae
Liuba Papeo, Ph.D.

Chargé de Recherche
Laboratoire sur le Langage, le Cerveau et la Cognition - CNRS
Institut des Sciences Cognitives
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Citizenship: Italian
Education: Ph.D., International School for Advanced Studies – SISSA, Italy, December 14, 2010
State Examination (Esame di Stato) for the enrolment to the Register of Italian
Psychologists, University of Trieste, Italy, 2006
M.Sc. in Psicologia (cum laude), Università degli Studi di Padova, February 18, 2005

Research Experience

2015-2016 - Marie Curie Post-Doc fellow, Center for Brain and Cognition, Universitat Pompeu Fabra, Barcelona, Spain
2014-2015 - Postdoctoral research fellow, CIMeC, University of Trento, Italy
2013-2014 - Marie Curie Post-Doc Fellow, Center for Mind/Brain Sciences, University of Trento;
2011-2013 - Marie Curie Post-Doc Fellow, Department of Psychology, Harvard University;
Advisor: Prof. Alfonso Caramazza
- Lab member at the Berenson-Allen Center for Noninvasive Brain Stimulation,
Harvard Medical School (director: Prof. Alvaro Pascual-Leone)
2006-2010 - Ph.D. student in Cognitive Neuroscience, International School for Advanced Studies
SISSA, Trieste, Italy; Supervisor: Prof. Raffaella Rumiati
2007 - Visiting student, Institute of Cognitive Neuroscience, University College of London;
Advisor: Prof. Patrick Haggard
2006 - Pre-doc fellow, Sector of Cognitive Neuroscience, SISSA, Trieste, Italy
Advisor: Prof. Raffaella Rumiati
2005 - Post-lauream Training, Department of General and Experimental Psychology,
University of Padova, Italy; Advisor: Prof. Remo Job
2003-2005 - Master Thesis in Cognitive Neuropsychology of Language, University of Padova and
Neurological Ward of the “Arcispedale Sant’Anna”, Ferrara, Italy; Supervisors: Prof.
Remo Job, Pierluigi De Bastiani

Research Grants, Scholarship & Fellowship Awards, Travel Grants

2015-2018 UPFellows Cofund Program -Fellowship for Transnational Academic Careers – University
Pompeu Fabra of Barcelona, Spain, and Marie Curie Cofund program - 7th Framework
Program (155,000 Euros)
2011-2014 Marie Curie International Outgoing Fellowship for Career Development – People Specific
Program, FP7 Marie Curie Action (Project: ACTICO -Action in Concepts; 230,300 Euros)
2013 Travel grant, CAOs -Workshop on concepts, actions and objects, Rovereto, Italy, May 23-26
2011 Travel grant for the Latino-American School for Education, Cognitive and Neural Sciences,
J.S. McDonnell Foundation, Atacama, Chile, March
2011 Talents for an International House (TALENTS) Fellowship Program (European Commission,
Area Science Park of Trieste, Regional Authority Friuli Venezia Giulia)
2009 Travel grant, CAOS -Workshop on concepts, actions and objects, Rovereto, Italy, April 22-25
2007 Study Visit Scholarship (from SISSA) to go to the Institute of Cognitive Neuroscience,

University College of London (5 months)

2006-2010 Ph.D. Scholarship, SISSA, Trieste, Italy (4 years)

2006 Research Training Fellowship for post-graduate students, SISSA, Trieste (5 months)

Honors and Awards

2013 Poster award, CAOs - Workshop on Concepts, Actions and Objects, Rovereto, Italy

2012 Referee Award, Journal *Cortex*, Elsevier

2011 Ph.D. Thesis Prize of the Italian Association of Psychology (AIP)

2011 Ph.D. Thesis Prize of the International School for Advanced Studies (SISSA, Trieste)

2009 Poster award, CAOS -Workshop on concepts, actions and objects, Rovereto, Italy

Teaching

2015 Course "Bases de neurociència cognitiva", Master of Neuroscience, University of Barcelona

2013 Teaching Fellow in Psychological Science (SLS-20 course) with Prof. Steven Pinker, Harvard University

2013 Tutorials of Transcranial Magnetic Stimulation, "Social Cognitive Neuroscience" International Summer School, SISSA, Trieste, Italy, July 15-26

2010 Course for secondary-school students on brain sciences at "Psicoattivo", sponsored by University of Trieste, SISSA, Province and City of Trieste

2009 Course for physicians on "Cognitive Neuropsychology and Transcranial Magnetic Stimulation", sponsored by Region of Friuli Venezia Giulia and University Hospital "Ospedali Riuniti" of Trieste.

2007 Course on "Methods of Cognitive Neuroscience: Neuroimaging and Neuropsychology" at Master of Science Communication, SISSA, Trieste.

Co-Supervision/Tutorship

2013-current Beatrice Agostini, PhD student in Cognitive Neuroscience, CIMEC, University of Trento

2012-2014 Cheng Li, Honor Thesis in Psychology (Magna cum laude), Harvard University

2009-2010 Cinzia Cecchetto, Master Thesis in Cognitive Neuroscience, University of Trieste. She is now a PhD Student at SISSA.

2008-2009 Damiano Geppini, Bachelor Thesis in Psychology, University of Trieste

Other professional activities

Ad hoc reviewer, Journals: *Cerebral Cortex*, *Cortex*, *Journal of Neuroscience*, *Journal of Cognitive Neuroscience*, *Human Brain Mapping*, *NeuroImage*, *Cognition*, *Brain and Language*, *Brain and Cognition*, *Acta Psychologica*, *Quarterly Journal of Experimental Psychology*, *Frontiers in Cognitive Science*, *Frontiers in Human Neuroscience*, *Journal of Neurolinguistics*, *Language Cognition and Neuroscience*,

Memberships: Society for the Neurobiology of Language (SNL), Society for Neuroscience (SFN)

Member of scientific committee for evaluation and selection of abstracts for:

"Events in Language and Cognition" Workshop, 2 March 2016, Gainesville, FL, US.

"Psycholinguistics across borders" Conference, 24-25 June 2010, University of Trento, Italy.

"Cognitive Modules and Interfaces" Workshop, September 2012, Trieste.

Organizer: Harvard University-CIMEC (University of Trento) joint seminars (via video-conference), 2012-2013

Publications

- **Papeo L.**, Lingnau A. (2015). First-person and third-person verbs in visual motion perception regions. *Brain and Language*, in press
- **Papeo L.**, Cecchetto C., Mazzon G., Granello G., Cattaruzza T., Verriello L., Eleopra R., Rumiati R.I. (2015). The processing of actions and action-words in Amyotrophic Lateral Sclerosis. *Cortex*, 64, 136-147
- Hochmann J.R., **Papeo L.** (2014). The invariance problem in infancy: a pupillometry study. *Psychological Science*, 25(11), 2038-2046.
- **Papeo L.**, Lingnau A., Agosta S., Pascual-Leone A., Battelli L., Caramazza A. (2014). The origin of word-related motor activity. *Cerebral Cortex*. doi: 10.1093/cercor/bht423
- **Papeo L.**, Caramazza A. (2014). When "ultrapid" word-related motor activity is not faster than "early". (2014). *Frontiers in Human Neuroscience*, doi: 10.3389/fnhum.2014.00842
- **Papeo L.**, Pascual-Leone A., Caramazza, A. (2013). Disrupting the brain to validate hypotheses on the neurobiology of language. *Frontiers in Human Neuroscience*, doi:10.3389/fnhum.2013.00148
- **Papeo L.**, Rumiati R.I. (2013). Lexical and gestural symbols in left-brain damaged patients. *Cortex*, 49, 1668-1678
- **Papeo L.**, Rumiati R.I., Cecchetto C., Tomasino B. (2012). On-line Changing of Thinking about Words: The Effect of Cognitive Context on Neural Responses to Verb Reading. *Journal of Cognitive Neuroscience*, 24, 2348-2362.
- **Papeo L.**, Hochmann J.R. (2012). A cross-talk between brain-damage patients and infants on action and language. *Neuropsychologia*, 50, 1222-1234.
- Cecchetto C., **Papeo L.**, Mazzon G., Granello G., Cattaruzza T., Verriello L., Eleopra R., Rumiati R.I. (2012). Action and Language Processing in Patients with Motor Neuron Disease. *Procedia-Social and Behavioral Sciences*, 61, 4.
- **Papeo L.**, Corradi-Dell'Acqua C., Rumiati R.I. (2011). "She" is not like "I": The tie between language and action is in our imagination. *Journal of Cognitive Neuroscience*, 23, 3939-3948.
- **Papeo L.**, Negri G.A.L., Zadini A., Rumiati R.I. (2010). Action performance and actionword understanding: Evidence of double dissociations in left-damaged patients. *Cognitive Neuropsychology*, 27, 428-461.
- **Papeo L.**, Longo M.R., Feurra M., Haggard P. (2010). The role of the right temporoparietal junction in intersensory conflict: Detection or resolution? *Experimental Brain Research*, 206, 129-139.
- Rumiati R.I., **Papeo L.**, Corradi-Dell'Acqua C. (2010). Higher-level motor processes. *Annals of the New York Academy of Sciences*, 1191, 219-241
- **Papeo L.**, Vallesi A., Isaja A., Rumiati R.I.(2009). Effects of TMS on different stages of motor and non-motor verb processing in the primary motor cortex. *PLoS ONE* 4(2): e4508. Factor 8.0 "Must read", Faculty of 1000 Biology
- **Papeo L.**, Vallesi A., Isaja A., Rumiati R.I. Effect of TMS on different stages of motor and non-motor verb processing in the primary motor cortex. Cognitive Neuroscience Society, Annual Meeting 2008, A supplement of the *Journal of Cognitive Neuroscience*, p.214.

Invited talks and Lectures

2014

UE Neuroconference 2013-2014 – the Master 2 Research Neurosciences, University Lyon 1, France, Novembre 28

ICREA BLOG - Baby Logic Conference, Barcelona, Spain, September 15, 2014

Laboratory on Language, Brain and Cognition (L2C2), Lyon, France, May 19
Department of Psychology, Northeastern University, Boston, MA, US, January 22

2013

Department of Psychology, Katholieke Universiteit Leuven, Belgium, November 23
Neurobiology of Language Conference, San Diego, November 8
Cognition, Brain, & Behavior Research Seminar, Department of Psychology, Harvard University,
September 19
Social Cognitive Neuroscience International Summer School, Trieste, Italy, July 15-26
Language & Cognition Seminar, Department of Psychology, Harvard University, April 23
CAOs – Concepts Actions and Objects Workshop, CIMEC, University of Trento, May 25

2010

28th European workshop on cognitive neuropsychology, Bressanone, Italy, January 24-29
"Cognitive Neuroscience and Anthropology", Fondazione Giacomi-Meo-Fiorot, Cilverghe di
Mazzano (Brescia), Italy, April 24-25
CAOs – Concepts Actions and Objects Workshop, CIMEC, University of Trento, Italy, April 22-25
Conference of Italian Society of Neuropsychology, SINP, Bologna, May 7-8

2009

XVII Kanizsa Lecture & Trieste, Symposium on Perception and Cognition, Trieste, Italy, October
CAOs – Concepts Actions and Objects Workshop, CIMEC, University of Trento, April 22-25

Posters

- 2016** - European workshop on cognitive neuropsychology, Bressanone, Italy, January 24-29
2014 - Neurobiology of Language Conference, Amsterdam, August
- CAOs – Conference on Concepts, Action and Objects, Rovereto, Italy, May 8-11
2012 - Society for Neuroscience (SfN), New Orleans, October 13-17
- CAOs – Conference on Concepts, Action and Objects, Rovereto, Italy, May
2011 - Neurobiology of Language Conference, Annapolis, MD, US, November
2010 - CAOs – Conference on Concepts, Action and Objects, Rovereto, Italy, May 20-23
- Opening conference of the Cognitive Development Center, Central European University,
Budapest, January 15-16
2009 - European workshop on cognitive neuropsychology, Bressanone, Italy, January 2010.
- Conference on Cognitive Science – DuCog, Dubrovnik, Croatia, May 22-24
- 15th Annual Conference on Architectures and Mechanisms for Language Processing –
AMLAP, Barcelona, Spain, September 7-9
- Annual Meeting of Academy of Aphasia, Boston MA, October 18-20
- Annual meeting of the Cognitive Neuroscience Society, San Francisco, CA, April 12-15
2007 - 25th European workshop on cognitive neuropsychology, Bressanone, Italy, January
- CAOs - Workshop on concepts, actions and objects, Rovereto, Italy, April 22-25
2006 - 24th European workshop on cognitive neuropsychology, Bressanone, Italy, January

Science communication (selected)

- “Le ragazze Alfa vivono qui” – Interview, *Elle* 2010, January, p. 76-78.
- “Clinica e (neuro)scienza”, Article, *Scienza e cultura. Trieste città della scienza magazine*, 2010,
March 13. <http://www.sciencesystemfvg.it/index.php>
- “Parole dentro la testa” – Interview, *Panorama* 2010, March 19, 12(2237), p. 139

Independent reviews and newspapers articles that referred to my work (selected)

- “Patients with ALS have difficulty with verbs: Why?” NeuroScientistNews and ScienceDaily, November 7, 2014
- “SISSA: Azioni contro oggetti, il ruolo del sistema motorio” Le Scienze (edizione Italiana di Scientific American), November 14, 2014
- Jean-Francois Demonet: Evaluation of “Effects of TMS on different stages of motor and non-motor verb processing in the primary motor cortex”. Factor 8.0 (“Must read”). Faculty of 1000 Biology, 2009.
- “Senza azione non ci sarebbe immaginazione. E linguaggio”, L’Unità, 2 March 2009.
- “La teoria del corpo che la saprebbe lunga”, La Repubblica WEB, 26 February 2009.
- “Neurosemantica. Parole e Azioni”. Le Scienze (edizione Italiana di Scientific American), 28 February 2009.

School and courses

- Intensive course in Transcranial Magnetic Stimulation (TMS). Beth Israel Deaconess Medical Center (BIDMC), Boston, MA, US, October 31- November 4, 2011.
- TMS safety course, Martinos Center, Massachusetts General Hospital, Boston, MA, US, May 11, 2012.
- Latin-American School on Education, Cognitive and Neural Science, San Pedro de Atacama, Chile, March 7-18, 2011.
- “Biological effects, legislative aspects and safety norms for magnetic resonance”, Azienda Ospedaliero-Universitaria “S. Maria della Misericordia” Udine, November 21, 2009.
- Summer School “The Sense of Body: An Interdisciplinary Summer School on Body Representations”, University of Bologna, June 16-22, 2008.
- Magstim TMS Summer School, London, May 25-27, 2007.
- Course on SofTaxic neuronavigation system, organized by E.M.S. s.r.l., at “IRCSS S. Giovanni di Dio - Fatebenefratelli”, Brescia, Italy, November 27, 2006.
- Autumn School on “Language and ERP (Biosemi system)” Bertinoro, Italy, October 2006.

Technical skills & Competences

Neuroscientific techniques: Brain stimulation (TMS), functional neuroimaging (fMRI), brain lesion analysis

Software: Matlab, BrainVoyager, Brainsight, Eprime, LabChart, BiopacSystem, Statistica, SPSS, CosmoMVA

Programming languages: Matlab, E-basic (Eprime)

Current collaborations

Alfonso Caramazza (Harvard University), Jean-Rémy Hochmann (CNRS), Lorella Battelli (Italian Institute of Technology), Raffaella Rumiati (SISSA, Trieste, Italy), Angelika Lingnau (Royal Holloway University of London, UK), Moritz Wurm (CIMEC, University of Trento), Timo Stein (CIMEC, University of Trento), Nikolaas N. Oosterhof (Dartmouth College, USA), Salvador Soto-Faraco (Universitat Pompeu Fabra, Barcelona).