

Curriculum Vitae

Liuba Papeo, Ph.D.

Directrice de Recherche (Full Professor), HDR
Principal Investigator of THEMPO, European Research Council Grant



Institut des Sciences Cognitives Marc Jeannerod – UMR5229 CNRS & UCBL
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Mother of Emile (21/12/2016) and Amos (17/06/2021)

Education:

- Habilitation à diriger des recherches (HDR), University Claude Bernard Lyon1, September 11, 2020
- Ph.D. in Cognitive Neuroscience, International School for Advanced Studies (SISSA), Trieste, Italy, December 14, 2010
- State Examination (Esame di Stato) for the enrolment in the Register of Italian Psychologists, University of Trieste, Italy, 2006
- M.Sc. in Psychology (cum laude), University of Padova, February 18, 2005

Research

Current

- Directrice de Recherche (Full Professor) and team leader of the Cognitive Neurodevelopment Group –CNRS Institute of Cognitive Sciences *Marc Jeannerod*
- Principal Investigator of THEMPO –European Research Council Starting Grant
- Member of the Laboratoire d'Excellence LabEx CORTEX, founded by the French Government via the National Research Agency (ANR)

2015-2016

- Marie Curie Post-Doc fellow, Center for Brain and Cognition, Universitat Pompeu Fabra, Barcelona, Spain; Advisor: Prof. Salvador Soto-Faraco

2011-2015

- Marie Curie Post-Doc Fellow, Department of Psychology, Harvard University & Center for Mind/Brain Sciences, University of Trento; Advisor: Alfonso Caramazza
- Lab member at the Berenson-Allen Center for Noninvasive Brain Stimulation, Harvard Medical School; Advisor: Prof. Alvaro Pascual-Leone

2006-2010

- Ph.D. student in Neuroscience, International School for Advanced Studies (SISSA), Trieste; Advisor: Prof. Raffaella Rumia

2007

- Visiting student, Institute of Cognitive Neuroscience, University College of London; Advisor: Prof. Patrick Haggard

2006

- Pre-doc fellow, Sector of Neuroscience, SISSA, Trieste

2003-2005

- Master Thesis in Cognitive Neuropsychology of Language, University of Padova, Advisor: Prof. Remo Job

Research Grants, Scholarships, Fellowships & Travel Grants

2025-2028 ANR-DFG Franco-German Grant in Social Sciences and Humanities (FRAL2024; **402,819 €**)

2021-2022 Fyssen Foundation Research Grant (Project VOCl –233173, **35,000 €**)

2018-2024 European Research Council Starting Grant (ERC-2017-STG), Horizon 2020, Principal Investigator (758473-THEMPO; **1,500,000 €**)

2017-2021 Grant “Jeunes Chercheuses et Jeunes Chercheurs (JCJC)” of the Agence Nationale de la Recherche – ANR (Project: 17-CE28; **267,200 €**)

2015-2018 UPFellows Cofund Program - Fellowship for Transnational Academic Careers - University Pompeu Fabra of Barcelona & FP7 Marie Curie Action (Project: LEVERS; **184,000 €**)

2011-2014 Marie Curie International Outgoing Fellowship for Career Development -People Specific Program, FP7 Marie Curie Action (ACTICO-Action in Concepts; **230,300 €**)

2013 Travel grant, CAOs -Workshop on concepts, actions and objects, Rovereto, Italy, May 23-26

2011 Talents for an International House (TALENTS) Fellowship Program (European Commission, Area Science Park of Trieste, Regional Authority Friuli Venezia Giulia)

2011 Travel grant for the Latino-American School for Education, Cognitive and Neural Sciences, J.S. McDonnell Foundation, Atacama, Chile, March

2009 Travel grant, CAOS -Workshop on concepts, actions and objects, Rovereto, Italy, April 22-25

2007 Study Visit Scholarship (from SISSA) at 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)

Scientific responsible of scholarships and fellowships

2023-2026 PhD scholarship of the Doctoral School in Neurosciences et Cognition (ED 476-NSCO) of the University of Lyon, to Violette Munin.

2023-2024 Fellowship of the Fondation pour la Recherche Medicale to Celine Spriet, PhD student (FRM: FDT202304016547, 40,040 €)

2023-2025 Marie Curie postdoc Fellowship to Sofie Vettori, postdoc (101108756-GAP-101108756, 211,000 €)

Awards

2024 Fyssen Foundation Best Paper Award -for the research published in Spriet et al. *PNAS* 2022

2022 *Infancy Early Career Researcher Award* 2022, International Congress of Infant Studies (ICIS)

2021 *Jacques Mehler « Think big » Prize* -Budapest CEU Conference on Cognitive Development

2013 Poster award, Society for the Neurobiology of Language Conference, San Diego CA

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

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

Since 2018 Course on the large-scale organization of information in the brain: action and object knowledge, Master M1 UE "Neurosciences cognitives et imagerie cérébrales", University Claude Bernard Lyon1

2018 Course and tutorials on Multivariate Pattern Analysis (MVPA) of functional MRI data, Doctoral School of the University Claude Bernard Lyon1 (8 hours)

2017-2018 Course "Neurobiology of Language", Master M1 UE "Neurosciences cognitives et imagerie cérébrales" (University Claude Bernard Lyon1)

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 on Cognitive Neuropsychology and Transcranial Magnetic Stimulation, University Hospital "Ospedali Riuniti" of Trieste.

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

Supervision/Tutorship

Current	Violette Munin (PhD student) Manuel Mello (Postdoctoral fellow) Farzad Rostami (Postdoctoral fellow) Emilie Serraille (Research assistant) Celine Spriet (Postdoctoral fellow) Sacha Dauliat (Master student)
Alumni	Etienne Abassi (PhD student 2018-2022; now postdoc McGill University, Canada) Nicolas Goupil (PhD student 2019-2023; now postdoc, University of Copenhagen) Celine Spriet (PhDS student 2020-2024; now postdoc, CNRS France) Sofie Vettori (postdoc 2021-2025)

Previous

2023-2024	Emiel Cracco (Visiting Postdoctoral fellow, the University of Ghent), Cecilia Daport (Visiting Student, University of Trento), Sacha Dauliat (Master student, UCBL), Joy El Khoury (Master student, Univ. Lyon2), Samar Naderi (Master student, UCBL)
2022-2023	Karina Kravchik (Master student, M2, ENS Paris)
2021-2022	Jérémie Decroix (Postdoctoral fellow), Catherine Odin (Research assistant), Elouan Bellec (Master student)
2020-2021	Mathilde Kramer (Master student), Marion Gasselin (Research Assistant)
2018-2020	Emmanuelle Bellot (Postdoctoral fellow), Samy Foudil (Postdoctoral fellow), Bastien Glasson (Master M1 student), Ilenia Paparella (Research fellow, funded by a Dematte scholarship), Mitra Tagizadeh (Postdoctoral fellow), Cristina Galusca (Postdoctoral fellow); Parvaneh Adibpour (Postdoctoral fellow)
2017-2018	Thibaut Bertrand (Master in Neuroscience, Université Lyon1); Lisa Boinon (Master in Neuroscience, Université Lyon1); Xi Wang (Master in Cognitive Sciences, Université Lyon2)
2016-2017	Thibaut Bertrand (Master in Neuroscience, Université Lyon1); Yoelis Acourt (Master in Cognitive Science, Université Lyon 2)
2013-2016	Beatrice Agostini, PhD student in 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

Other professional activities

Member of the Board of Directors of the Association for the ERC grantees (AERG – https://aerg.eu)
Member of Stakeholder Group 4 of the ERA Forum (Expert group of the European Commission)
Associate Editor of the Journal of Experimental Psychology: Human Perception and Performance – American Psychological Association Journal (since 2022)
Elected member of the Laboratory Council of the CNRS-ISCMJ (since 2021)
Member of the steering committee of the Laboratoire d'Excellence (LabEx) CORTEX, founded by the French Government via the National Research Agency (since 2020)
Member of the scientific committee of the «iMIND» Centre d'Excellence Autisme et Troubles du Neurodéveloppement – Psychiatric Hospital <i>Le Vinatier</i> , Bron (since 2021)
Scientific advisory board of Testable.org (platform for online data collection) (since 2018)
Member of the Editorial Board of Scientific Reports –NatureGroup (2021-2024)

Punctual

2025 - Member of the organizing committee and evaluation panel for “Ambassadors: ERC Network Initiative”, European Research Council, Bruxelles

2024 - Jury president, PhD thesis of Floor Meewis, University of Marseille
- Jury member, PhD thesis in Psychology of Matthew Foxwell, York University
- PhD thesis advisory board of Auriane LE FLOCH, University of Neuchâtel

2023 - Jury president, PhD thesis of Dawei Bai, Institut Jean Nicod, Ecole Normal Supérieure, Paris
- Jury member, PhD thesis in Psychology of Danna Oomen, Ghent University, Belgium
- Jury member, PhD thesis in Psychology of Monika Graumann, Freie Universität Berlin

2022 - Jury member, oral examination for the Master in Neuroscience University CB Lyon1

2021 - Member of the advisory group of Committee on Diversity and Inclusion of the Vision Science Society (VSS)
- Reviewer, PhD thesis in Cognitive Science of Pietro Mingardi, University of Trento, Italy

2020 - Jury member, concourse for the admission to the doctoral school in Neurosciences and Cognition of University of Lyon
- Jury member, oral examination for the Master in Neuroscience University CB Lyon1
- Reviewer and jury member, PhD thesis of Sara Zanellini, CIMEC, University of Trento

2019 - Reviewer, PhD thesis of Ana Murteira, Department of Cognitive Science & Macquarie University Centre for Reading, Macquarie University, Sydney, Australia
- President of the jury, PhD thesis of Cristina Galusca, Doctoral School in Neurosciences and Cognition, Universitat Pompeu Fabra, Barcelona

2018 - Jury member, concourse for the recruitment of an assistant professor (Enseignant-Chercheur) at the Department of Biologie –Section 69 and 16, University CB Lyon1
- Jury member, PhD thesis Clement Abbatecola, Doctoral School in Neurosciences and Cognition, Université CB Lyon1 & INSERM Stem cell and Brain Research Institute

2016-2019 Member of ComEx –Experts' committee, CERMEP, In vivo imaging center, Bron, France

Ad hoc reviewer

Journals: *Acta Psychologica, Attention, Perception and Psychophysics, Brain and Cognition, Brain and Language, Cerebral Cortex, Cognition, Cognitive Neuropsychology, Cortex, Current Biology, Developmental Science, Frontiers in Cognitive Science, Frontiers in Human Neuroscience, Human Brain Mapping, Infancy, Infants Behavior and Development, Journal of Cognitive Neuroscience, Journal of Experimental Psychology: General, Journal of Experimental Psychology: HPP, Journal of Neurolinguistics, Journal of Neuroscience, Language Cognition and Neuroscience, Nature Communication, NeuroImage, Neuropsychologia, Philosophical Transactions of the Royal Society B: Biological Sciences, PLoSOne, Psychological Bulletin, PNAS, Psychological research, Psychonomic Bulletin & Review, Quarterly Journal of Experimental Psychology, Scientific Reports*

Conferences and workshops: Budapest CEU conference on Cognitive Development (BCCCD) 2023; "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

Funding agencies: European Research Council (ERC), Agence nationale de la recherche (ANR), National Science Foundation (NSF)

Society Memberships: Vision Science Society, Association of ERC Grantees

Chair and Organizer:

2025 Panel discussion "Mobility in research" at the Conference "The European Research Context for the Humanities and Social Sciences", The British Academy of Science, London, UK, January 22 (panel organizer and chair)

2024 Workshop "**En route to social interactions**", October 22-23 2024, Institute of Cognitive Sciences Marc Jeannerod, Bron, FR. Keynote speakers: Gergely Csibra (CEU, Vienna); Zanna Clay (University of St. Andrews, UK).

2024	"Conférence autour des bébés: l'acquisition au langage", May 2024, Institute of Cognitive Sciences Marc Jeannerod, Bron. Keynote Speaker : Anne Christophe (École Normale Supérieure, Paris).
2024	Symposium " Beyond locations, features and objects: Visual perception of relations ", European Workshop on Cognitive Neuropsychology, Bressanone, January 2024. Speakers: Chaz Firestone (Johns Hopkins University), Liuba Papeo, Daniel Kaiser (Justus-Liebig-Universität Gießen), Brent Strickland (ENS Paris)
2023	Symposium " Emergent categories of visual objects and scenes in infancy and deep neural networks: Brain constraints, learning, training, and language ", European Conference on Visual Perception (ECVP2023), Paphos, Cyprus, August 2023. Speakers: Celine Spriet (CNRS), Radek Cichy (Freie Universität Berlin), Hans Op De Beeck (KU Leuven, Belgium), Maja Blesic (CEU, Vienna)
2020-2022	CORTEX Conferences series, LabEx Cortex, University Lyon
2020	Symposium " Visual foundations of action representation ", European Conference on Visual Perception (ECVP2020), Zagreb, August 23-27, 2020. Speakers: Stefania Bracci (University of Trento), Angelika Lingnau (Regensburg University, Germany), Liuba Papeo, Moritz Wurm (University of Trento, Italy)
2019	Symposium " Seeing Relations: From Multiple-Object Perception to the Representation of Social Events ", International Convention of Psychological Science (ICPS), Paris. Speakers: Daniel Kaiser (Freie University, Berlin), Kami Koldewyn (Bangor University, UK), Liuba Papeo, Julia Sliwa (CNRS, Paris)
2018	Symposium " Perceptual and Developmental Foundations of Action-Event Representations ", the Budapest CEU Conference on Cognitive Development 2018 (BCCCD). Speakers: Melissa Kline (MIT, Boston), Liuba Papeo, Brent Strickland (CNRS, Paris), Moritz Wurm (University of Trento, Italy)

Publications

Peer-reviewed publications

- **Papeo L.**, Mello M., Hochmann J.R. (2025). Perceptual-cue-based mechanisms for recognizing social agents and their roles in social interactions. *Behavioral and Brain Sciences, in press*
- Munin V., Abassi E., Beuriat P.A., **Papeo L.** (2025). The effects of spatial relations and motion information in social scene perception. *Scientific Reports 15*, 25817
- Hafri A., **Papeo L.** (2025). The past, present and future of relation perception. *Journal of Experimental psychology: Human Perception and Performance, 51(5)*, 543
- Goupil N., Kaiser D., **Papeo L.** (2025). Category-specific effects of high-level relations in visual search. *Journal of Experimental psychology: Human Perception and Performance, 51(6)*, 696–709. Preprint <https://osf.io/n7uvk/>
- Reilly J., Shain C., Borghesani V., Kuhnke P., Vigliocco G., Peelle J.E., Mahon B.Z., Buxbaum L.J., Majid A., Brysbaert M., Borghi A.M., De Deyne S., Dove G., **Papeo L.** ... Vinson D. (2025). What we mean when we say semantic: Toward a multidisciplinary semantic glossary. *Psychonomic Bulletin & Review, 32* (1), 243-280.
- **Papeo, L.**, Vettori, S., Serraille, E., Odin, C., Rostami, F., & Hochmann, J. R. (2024). Abstract thematic roles in infants' representation of social events. *Current Biology, 34*(18), 4294-4300.
- Vettori S., Odin C., Hochmann J.R., **Papeo L.** (2024). A perceptual cue-based mechanism for automatic assignment of thematic agent and patient roles. *The Journal of Experimental Psychology : General, 154*(3), 787–798.
- **Papeo, L.** (2024). What is abstract about seeing social interactions?. *Trends in Cognitive Sciences, 2024* February 17.

- Gandolfo M., Abassi E., Balgova E., Downing P.E., **Papeo L.**, Koldewyn K. (2024). Converging evidence that left extrastriate body area supports visual sensitivity to social interactions. *Current Biology*, 34(2), 343-351.
- Zanon, M., Lemaire, B. S., **Papeo, L.**, & Vallortigara, G. (2024). Innate sensitivity to face-to-face biological motion. *Iscience*, 27(2).
- Cracco, E., **Papeo, L.**, & Wiersema, J. R. (2024). Evidence for a role of synchrony but not common fate in the perception of biological group movements. *European Journal of Neuroscience*, 60(1), 3557-3571
- Abassi E., **Papeo L.** (2024). Category-selective encoding of social relationship in visual cortex. *The Journal of Neuroscience*, 44, 5.
- Goupil N., Rayson H., Serraille E., Massera A., Ferrari P.F., Hochmann J.R., **Papeo L.** (2023). Visual preference for socially relevant spatial relations in humans and monkeys. *Psychological Science*, 09567976241242995.
- Goupil, N., Hochmann, J. R., & **Papeo, L.** (2023). Intermodulation responses show integration of interacting bodies in a new whole. *Cortex*, 165, 192-140.
- Spriet C., Abassi E., Hochmann J.R., **Papeo L.** (2022). Visual object categorization in infancy. *Proceedings of the National Academy of Science USA*, 119 (8), e2105866119.
- Cracco E., Oomen D., **Papeo L.**, Wiersema J.R. (2022). Using EEG movement tagging to isolate brain responses coupled to biological movements. *Neuropsychologia*, 108395.
- Abassi E., **Papeo L.** (2022). Behavioral and neural markers of configural processing in perception of social scenes. *NeuroImage*, 260, 119506
- Goupil N., **Papeo L.**, Hochmann J.R. (2022). Visual perception grounding of social cognition in preverbal infants. *Infancy*, 27(2), 210-231.
International Congress on Infant Studies (ICIS) "Infancy Early Career Researcher Award 2022"
- Paparella L., **Papeo L.** (2022). Chunking by social relationship in working memory. *Visual Cognition*, PsyArXiv <https://psyarxiv.com/6jzvm/>
- Hochmann J.R., **Papeo L.** How can it be both abstract and perceptual? Comment on Hafri, A., & Firestone, C. (2021), The perception of relations, *Trends in Cognitive Sciences*, Preprint *psyArXiv* <https://psyarxiv.com/hm49p/>
- Adibpour P., Hochmann J.R., **Papeo L.** (2021). Spatial relations trigger visual binding of people. *Journal of Cognitive Neuroscience*, 33(7), 1343-1353.
- Bellot E., Abassi E., **Papeo L.** (2021). Moving toward versus away from another: how body motion direction changes the representation of bodies and actions in the visual cortex. *Cerebral Cortex*, 31(5), 2670-2685.
- **Papeo L.** (2020). Twos in human visual perception. *Cortex*, 132, 473-478.
- **Papeo L.**, de Vega Rodríguez M. (2020). The neurobiology of sentential negation. In *The Oxford Handbook of Negation*. V. Deprez & M.T. Espinal (Eds.). Oxford University Press.
- Abassi E., **Papeo L.** (2020). The representation of two-body shapes in the human visual cortex. *The Journal of Neuroscience*, 40(4), 852-863.
- **Papeo L.**, Goupil N., Soto-Faraco S. (2019). Visual search for people among people. *Psychological Science*, 30 (10), 1483-1496.
- **Papeo L.**, Agostini A., Lingnau A. (2019). The large-scale organization of gestures and words in the middle temporal gyrus. *The Journal of Neuroscience*, 39 (30), 5966-5974
- **Papeo L.**, Abassi E. (2019). Seeing social events: The visual specialization for dyadic human-human interactions. *Journal of Experimental psychology: Human Perception and Performance*, 45(7), 877
- Agostini A., **Papeo L.**, Galusca C., Lingnau A. (2018). A norming study of high-quality video clips of pantomimes, emblems and meaningless gestures. *Behavior Research Methods*, doi.org/10.3758/s13428-018-1159-8

- **Papeo L.**, Wurm M.F., Oosterhof N.N., Caramazza A. (2017). The neural representation of human and nonhuman bipeds and quadrupeds. *Scientific Reports*, 7:14040 doi:10.1038/s41598-017-14424-7
- **Papeo L.**, Stein T., Soto-Faraco S. (2017). The two-body inversion effect. *Psychological Science*, 28(3), 369-379
- **Papeo L.**, Hochmann J.R., Battelli L. (2016). The default computation of negated meanings. *Journal of Cognitive Neuroscience*, 28(12), 1980-1986
- **Papeo L.**, Tessari A., Rumiati R.I. (2016). Also patients with dementia need motor examination, but do we need more examination tools? Reply to "Why patients with dementia need a motor examination". *Journal of Neurology, Neurosurgery and Psychiatry*, E-Letter, 13 July 2016
- **Papeo L.**, Lingnau A. (2015). First-person and third-person verbs in visual motionperception regions. *Brain and Language*, 141, 135-141
- **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*, 25(6), 1668-1675
- **Papeo L.**, Caramazza A. (2014). When "ultrarapid" 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

Preprints

- Galusca C.I., **Papeo L.**, Bonatti, L. The effect of ostensive communication on immediate and delayed memory of novel and familiar action patterns <https://osf.io/preprints/psvarxiv/vaegk/>
- Mello M., Decroix J., Spriet C., **Papeo L.** (2025). Parallel and consecutive processing stages for social interaction recognition. Preprint: <https://osf.io/preprints/psvarxiv/7bdcv1>
- Spriet C., Rostami F., Hochmann J.R., **Papeo L.** (2025). Animate-inanimate object categorization from minimal visual information in the human brain, behavior, and deep neural networks. *BioRxiv* <https://www.biorxiv.org/content/10.1101/2025.06.02.657367v1.abstract>

Invited Talks

2025

- “Social relationship in the eye of perception” – European Society for Philosophy and Psychology (ESPP) Conference, Warsaw, September 2-5.
- “Visual Foundations of Cognition” –CMBB Day of Center for Mind, Brain and Behavior (CMBB) of the Universities of Marburg, Giessen and TU Darmstadt, Giessen, May 9
- Round table on the ERC research programs, organized by the Direction Europe & International du CNRS, Paris, March 5

2024

- “Visual Perception of Roles and Relations”, University of Marseille, November 22
- “Beyond animate-inanimate: social-nonsocial in human vision”, SAW 2024 –Seeing and Acting Workshop: Functional and Neural Perspectives, University of Coimbra, September 26-28
- “The origin of object categorization”, Award ceremony of the Fyssen Foundation, National Museum of Natural History, Paris, June 7
- “Seeing social beings”, Departmental Colloquium, Central European University, Vienna, April 24
- “Relation perception and the social function of vision”, European Workshop of Cognitive Neuropsychology, Bressanone, Italy, January 24

2023

- “Visual mechanisms and visual brain networks to represent social relationship”, Giessen University, Germany, June 22
- “Visual compositionality”, Workshop *Memory and Mental Files*, University Grenoble Alpes, France, April 28
- “Bodies interacting in vision”, Body Representation Network (BRNet) seminar, March 31
- “A visual brain network for visual compositionality”, Department of Psychology, University of Essex, UK, March 21

2022

- “Footprints of sociality in human vision”, Workshop on Social Curiosity, University of Göttingen, Germany, Oct 6-7
- “Relation perception and the social function of vision”, the Salzburg Mind Brain Annual Meeting (SAMBA) 2022, Center for Cognitive Neuroscience, University of Salzburg, July 14-15
- “Relation perception and the social function of vision”, Massachusetts Institute of Technology, MIT’s Simons Center for the Social Brain Colloquium Series, Cambridge MA, April 13
- “Visual perception of social relationship”
 - Precision Psychiatry & Social Physiology laboratory (Director: Guillaume Dumas), CHU Sainte-Justine Research Centre, Montreal (video-conference)

- School of Cognitive Sciences, Institute for Research in Fundamental Sciences (IPM), Tehran, Iran (video-conference), January 26, 2022

Oral presentations

2024

- “Syntax without language”, Liuba Papeo, European Society for Philosophy and Psychology, Grenoble, July 5.

2022

- “The visual advantage of social interaction: Is it attention or perception?”. Symposium “New insight into social attention”, 22nd Conference of the European Society for Cognitive Psychology (ESCP), August 29-September 1
- “Who to whom? Encoding thematic roles in social scenes is rooted in visual perception”, Sofie Vettori, Catherine Odin, Jean-Remy Hochmann, Liuba Papeo. Talk session “Scene perception”, at the 44th European Conference on Visual Perception (ECVP), Nijmegen, September 1, 2022
- “[In what sense] We see social relations”, symposium “Beyond objects and features: High-level relations in visual perception” –Vision Science Society Meeting, May 13

May-September 2021 Maternity Leave

Older invited talks and oral presentations

- “Visual perception of people and their relationships”, Department of Psychology, University of Amsterdam, March 18, 2021 (video-conference, invited)
- “Twos in human visual perception”,
 - SCALab seminars, University of Lille, December 17, 2020 (video-conference, invited)
 - CORTEX conferences, LabEx Cortex, University of Lyon, September 25, 2020 (invited)
- “Seeing relationships: A two-body schema in the visual perception cortex”, presented at:
 - Vision Science Society (VSS) Conference, St. Pete’s beach, FL, USA, May 18, 2019
 - Ev Fedorenko’s Language Lab, Massachusetts Institute of Technology, May 29, 2019 (Invited)
 - Cognitive Neuropsychology Lab, Department of Psychology, Harvard University, May, 16, 2019
- Invited speaker at the ERC symposium at the International Convention of Psychological Science, Paris, March 8, 2019
- “Perceptual grounding of social cognition”, presented at
 - International Convention of Psychological Science (ICPS), Association for Psychological Science (APS), Paris, March 8, 2019
 - Inauguration of the academic year, SISSA, Trieste, Nov 8, 2018 (invited)
 - Departmental Colloquium, Department of Cognitive Science, Central European University, Oct 4, 2018 (invited)
 - The Science of Social Interaction Workshop, Bangor University, UK, Sept 11, 2018 (invited)
- “The missing link between person perception and social action understanding”, NeuroSpin, Gif-sur-Yvette, France, May 15, 2018 (invited).
- “Cognitive and neural mechanisms of social perception”, Department of Psychiatry, University “Aldo Moro” of Bari, Italy, February 14, 2018 (invited).
- “The two-body inversion effect”, Budapest CEU Conference on Cognitive Development (BCCCD), January 4-7, 2018.

- "From person perception to social action understanding", Collegium de Lyon, December 19, 2017 (invited).
- "How the brain builds a word meaning", presented at
 - Conference of the DFG research training group (RTG) "Situated Cognition", Osnabrück University, Germany, October, 5, 2017 (invited)
 - *Beyond language learning* Workshop, University of Barcelona, Sept 29-30, 2016 (invited)

Earlier contributions

- UE Neuroconference, University Claude Bernard Lyon 1, France, November 28, 2014
- ICREA BLOG - Baby Logic Conference, Barcelona, Spain, September 15, 2014
- Laboratory on Language, Brain and Cognition (L2C2), Lyon, France, May 19, 2014
- Department of Psychology, Northeastern University, Boston, MA, US, January 22, 2014
- Department of Psychology, Katholieke Universiteit Leuven, Belgium, November 23, 2013
- Neurobiology of Language Conference, San Diego, November 8, 2013
- Cognition, Brain, & Behavior Research Seminar, Department of Psychology, Harvard University, September 19, 2013
- Social Cognitive Neuroscience International Summer School, Trieste, Italy, July 15-26, 2013
- Language & Cognition Seminar, Department of Psychology, Harvard University, April 23, 2013
- CAOs - Concepts Actions and Objects Workshop, CIMEC, University of Trento, May 25, 2013
- 28th European workshop on cognitive neuropsychology, Bressanone, Italy, January 24-29, 2010
- "Cognitive Neuroscience and Anthropology", Fondazione Giacomi-Meo-Fiorot, Ciliverghe di Mazzano (Brescia), Italy, April 24-25, 2009
- CAOs - Concepts Actions and Objects Workshop, CIMEC, University of Trento, Italy, April 22-25, 2009
- Conference of the Italian Society of Neuropsychology, SINP, Bologna, May 7-8, 2010
- XVII Kanizsa Lecture & Trieste, Symposium on Perception and Cognition, Trieste, Oct 31, 2009

Posters (recent)

- Goupil N., Hochmann, J.R., Papeo L. Grouping two bodies in one relation, the Salzburg Mind Brain Annual Meeting (SAMBA) 2022, Center for Cognitive Neuroscience, University of Salzburg, July, 14-15, 2022.
- Spriet C., Hochmann, J.R., Papeo L. Frequency-tagging the animate-inanimate visual object categorization in human adults and infants, the Salzburg Mind Brain Annual Meeting (SAMBA), Center for Cognitive Neuroscience, University of Salzburg, July 14-15, 2022
- Goupil N., Hochmann, J.R., Papeo L. Perceiving social relation in the first two years of life, Budapest CEU Conference of Cognitive Development, January 2022.
- Spriet C., Papeo L., Hochmann J.R. Development of visual categorization in infants and children. Budapest CEU Conference of Cognitive Development, January 2022.
- Abassi E., Papeo L. Representation of spatial relations between multiple faces, bodies or people in the visual cortex. Vision Science Society. Virtual Vision Science Society (V-VSS) Conference, May 2021 (upcoming). Poster awarded with an Elsevier/Vision Research Travel Award.
- Spriet C., Abassi E., Hochmann JR, Papeo L. Visual object categorization in infancy. Budapest CEU Conference of Cognitive Development, January 2021. Poster awarded with the "Think Big Jacques Mehler Prize".
- Goupil N., Hochmann JR, Rayson H., Massera A., Ferrari PF, Papeo L. A preference for face-to-face body dyads in human adults, infants and juvenile macaques. Budapest CEU Conference of Cognitive Development, January 2021.

- Bellot E, Papeo L. Moving toward versus away from another: how motion direction changes the representation of bodies and actions in visual cortex. Virtual Forum of the Federation of European Neuroscience Societies (FENS), July 11-15, 2020. Poster awarded with a FENS-IBRO/PERC grant.
- Adibpour P, Hochmann JR, Papeo L. Putting together the parts of a social scene: A frequency-tagging electroencephalography study. Conference of the Organization for the Human Brain Mapping, Rome, June 9-13, 2019 & European Conference of Visual Perception (ECVP), Leuven, August 2019.
- Abassi E. & Papeo L. Seeing social events: The visual specialization for a two-body shape in human visual perception. International Convention of Psychological Science (ICPS), Paris, March 9, 2019.
- Abassi E. & Papeo L. Seeing social events: the visual specialization for dyadic human-human interactions. Concepts Actions and Objects Workshop, Rovereto, Italy, May 2018.

Older poster presentations at: European workshop on cognitive neuropsychology, Bressanone, Italy, January 24-29, 2016; Neurobiology of Language Conference, Amsterdam, August 2014; CAOs – Conference on Concepts, Action and Objects, Rovereto, Italy, May 8-11, 2014; Society for Neuroscience (SfN), New Orleans, October 13-17, 2012; Concepts, Action and Objects, Rovereto Workshop, Italy, May 2012; Neurobiology of Language Conference, Annapolis, MD, US, November, 2011; Concepts, Action and Objects Workshop, Rovereto, Italy, May 20-23, 2010; Opening conference of the Cognitive Development Center, Central European University, Budapest, January 15-16, 2010; European workshop on cognitive neuropsychology, Bressanone, Italy, January 2010; Conference on Cognitive Science – DuCog, Dubrovnik, Croatia, May 22-24, 2009; 15th Annual Conference on Architectures and Mechanisms for Language Processing – AMLAP, Barcelona, Spain, September 7-9, 2009; Annual Meeting of Academy of Aphasia, Boston MA, October 18-2, 2009; Annual meeting of the Cognitive Neuroscience Society, San Francisco, CA, April 12-15, 2009; 25th European workshop on cognitive neuropsychology, Bressanone, Italy, January 2007; Workshop on concepts, actions and objects, Rovereto, Italy, April 22-25, 2007; 24th European workshop on cognitive neuropsychology, Bressanone, Italy, January, 2006.

Independent reviews and newspapers articles that referred to our work

- National Geographic « [Ce que les bébés comprennent du monde](#) », June 24, 2022
- Sciences et Avenir « [Les bébés distinguent d'abord le vivant pour comprendre le monde](#) », March 2022
- Tribune de Lyon N. 847 « Ce que regardent les bébés », March 2022
- Sciences et Avenir « [Comment les bébés voient le monde](#) », March 2022
- France Info sur France 2 (TV channel), Reportage of activities in our lab, February 18, 2022
- CNRS France: "[L'étonnant pouvoir du système perceptif humain à traiter les scènes d'interaction sociale](#)", February 23, 2017
- Talk IIT "[Ecco come il nostro cervello capisce le negazioni](#)", October 24, 2016
- HARVARD Gazette "[Sound out speech](#)", January 9, 2015
- "Le ragazze Alfa vivono qui" – Interview, *Elle* 2010, January, p. 76-78
- Panorama: "Parole dentro la testa", March 19, 12(2237), p. 139
- ScienceDaily: "Patients with ALS have difficulty with verbs: Why?" November 7, 2014
- Le Scienze (edizione Italiana di Scientific American): "SISSA: Azioni contro oggetti, il ruolo del sistema motorio" November 14, 2014
- Faculty of 1000 Biology, Review of "Effects of TMS on different stages of motor and non-motor verb processing in the primary motor cortex". Factor 8.0 ("Must read") by Jean-Francois Demonet, 2009.
- L'Unità, "Senza azione non ci sarebbe immaginazione. E linguaggio", March 2, 2009.

- La Repubblica, "La teoria del corpo che la saprebbe lunga", February 26, 2009.
- Le Scienze (Italian edition of Scientific American), "Neurosemantica. Parole e Azioni", February 28, 2009.

Current collaborations

Nicolas Frank (Hospital le Vinatier, Lyon); Brent Strickland (École Normale Supérieure, Paris); Daniel Kaiser (Justus-Liebig-Universität Gießen); Eva Wittenberg (Central European University, Vienna); Jan Roelf Wiersema (University of Ghent); Jean-Remy Hochmann (CNRS, France); Hans Op de Beeck (KU Leuven, Belgium).

A handwritten signature in black ink, appearing to read "Liuba Papeo".

Last update : June 12, 2025