

CURRICULUM VITAE ET STUDIORUM

PERSONAL INFORMATION

Name and Surname: Leonor J. Romero Lauro
Place and date of birth: La Paz (Bolivia), 18/03/1978.
Nationality: Italian
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ACTUAL POSITION

Assistant Professor at the Department of Psychology, University of Milano-Bicocca.

National Academic Qualification as Associate Professor

EDUCATION

Nov 2009-Sept 2011 Post-Doc at the Department of Psychology, University of Milano-Bicocca.
Supervisor: prof. Costanza Papagno, MD, PhD.

Dec 2008 - Oct 2009 Post-Doc at the Department of Clinical Science "L. Sacco", University of Milano.
Supervisor: Marcello Massimini, MD, PhD.

Nov 2004-Nov 2008 PhD student in Experimental Psychology, Linguistics and Cognitive Neuroscience at the University of Milano-Bicocca.
Supervisor: Costanza Papagno, MD, PhD.
Thesis: "The neural correlates of verbal short-term memory and its role on sentence comprehension. Studies with TMS".

Nov 2005-Dec 2009 Cognitive-Behavioural Psychotherapy MSc at Studi Cognitivi, Milano.

March 2003: MS in Psychology, University of Palermo. 110/110 cum laude
Thesis: "Neural correlates of Idiom Comprehension".
Supervisor: Massimiliano Oliveri, MD, PhD.

RESEARCH EXPERIENCES ABROAD

- May 2007- Feb 2008:** Pre-doctoral visiting fellow at the Human Cortical Physiology Section, National Institute of Neurological Disorders and Stroke, National Institute of Health, Bethesda, Maryland, USA.
Supervisor: Leonardo G. Cohen, MD, PhD.
- Feb-Sept 2004:** Visiting fellow at the Institute of Cognitive Neuroscience – University College of London, Londra, UK.
Supervisor: Vincent Walsh, MD, PhD.

GRANTS and FELLOWSHIPS

- Funds for two Post-doc positions, University of Milano-Bicocca.
- Intramural pre-doctoral fellow Grant – National Institute of Health, Bethesda, USA.
- Grant for abroad training – SINTESI.
- Borsa di Perfezionamento all'estero –University of Palermo.

TEACHING ACTIVITY

- Lecturer of "Theories and Techniques of Neuropsychological Evaluation", MS "Scienze e Tecniche Psicologiche", Faculty of Psychology, University of Milano-Bicocca, academic years: 2011/2012, 2012/2013, 2013/2014, 2014/2015, 2015/2016, 2016/2017 (48 hours per academic year).
- Lecturer of "Methods for morphological and functional data collection and analysis in cognitive neuroscience", MS "Psicologia Clinica, Dello Sviluppo e Neuropsicologia", Faculty of Psychology, University of Milano-Bicocca, academic year: 2011/2012 (15 hours per academic year).
- Lecturer of "TMS e TMS-EEG course" within the PhD program in Experimental Psychology, Linguistics and Neuroscience, Department of Psychology, University of Milano-Bicocca, academic years: 2010/2011, 2012/2013, 2013/2014, 2014/2015, 2015/2016, 2016/2017 (8 hours per academic year).
- Lecturer of "Research methodology and data analysis" for the private school of Cognitive-Behavioural Psychotherapy "Studi Cognitivi", Milano, academic years: 2010/11, 2011/2012, 2012/2013 2013/2014, 2014/2015, 2015/2016, 2016/2017 (40 hours per academic year).
- Lecturer of "Cognitive Neuroscience" for the private school of Cognitive-Behavioural Psychotherapy "Studi Cognitivi", Modena, academic years 2009/2010, 2011/2012, 2012/2013, 2013/2014 (8 hours per academic year).
- Lecturer of "How to manage anxiety and stress", for University of Luigi Bocconi, academic years: 2010/2011, 2011/2012, 2012/2013 (15 hours per academic year).

STUDENTS SUPERVISION

Over 50 students' dissertations of MS and bachelor's degree supervised. Over 30 students training in experimental research tutored.

Supervisor of two post-doc fellows and one PhD student

PUBLICATIONS

1. Pisoni, A., Mattavelli, G., Papagno, C., Rosanova, M., Casali, A.G. & **Romero Lauro, L.J.** (2017). Cognitive Enhancement Induced by Anodal tDCS Drives Circuit-Specific Cortical Plasticity. *Cerebral Cortex*, 1-9
2. Riva, P., Gabbiadini, A., **Romero Lauro, L. J.**, Andrighetto, L., Volpato, C. & Bushman, B. J. (2016). Neuromodulation Can Reduce Aggressive Behavior Elicited by Violent Video Games. *Cognitive, Affective, and Behavioral Neuroscience*, 1-8
3. Mattavelli, G., Rosanova, A., Casali, A., G, Papagno, C., & **Romero Lauro, L., J.** (2016). Timing of emotion representation in right and left occipital region: Evidence from combined TMS-EEG. *Brain & Cognition*, 106, 13-22.
4. **Romero Lauro, L. J.**, Pisoni, A., Rosanova, M., Casarotto, S., Mattavelli, G., Bolognini, N., & Vallar, G. (2016). Localizing the effects of anodal tDCS at the level of cortical sources: A Reply to Bailey et al. *Cortex*, 74, 323-328.
5. Venturini, E., Riva, P., Serpetti, F., **Romero, Lauro L. J.**, McMahan, F., Stonecipher, K., & Parsons, T. D. (2016). A 3D virtual environment for empirical research on social pain: Enhancing fidelity and anthropomorphism in the study of feelings of ostracism inclusion and over-inclusion. *Annual Review of Cybertherapy and Telemedicine*, 14, 89-94.
6. Riva, P., **Romero Lauro, L. J.**, Vergallito, A., DeWall, C. N., & Bushman, B. J. (2015). Electrified emotions: modulatory effects of transcranial direct stimulation on negative emotional reactions to social exclusion. *Social Neuroscience*, 10(1), 46-54.
7. Pisoni, A., Lo Gerfo, E., Ottone, S., Ponzano, F., Zarri, L. & **Romero Lauro, L. J.** (2014). Fair play doesn't matter: MEP modulation by active status quo overcome in economic Interactions. *NeuroImage*, 101, 150-158.
8. **Romero Lauro, L. J.**, Rosanova, M., Mattavelli, G., Convento, S., Pisoni, A., Opitz, A., Bolognini, N., & Vallar, G. (2014). TDCS increases cortical excitability: direct evidence from TMS-EEG. *Cortex*, 58, 99-111.
9. Riva, P., **Romero Lauro, L. J. R.**, DeWall, C. N., Chester, D. S., & Bushman, B. J. (2013). Reducing Aggressive Responses to Social Exclusion Using Transcranial Direct Current Stimulation (tDCS). *Social cognitive and affective neuroscience*, nsu053.

10. **Romero Lauro, L. J.**, Crespi, M., Papagno, C., & Cecchetto, C. (2014). Making sense of an unexpected detrimental effect of sign language use in a visual task. *Journal of Deaf Studies and Deaf Education*, enu001.
11. **Romero Lauro, L. J.**, Mattavelli, G., Papagno, C., & Tettamanti, M. (2013). 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. ISSN:1053-8119.
12. Mattavelli, G., Rosanova, M., Casali, A., Papagno, C., & **Romero Lauro, L. J.** (2013). Topdown interference and cortical responsiveness in face processing: a TMS-EEG study. *NeuroImage*, 76, 24-32. ISSN: 1053-8119.
13. Riva, P., **Romero Lauro, L. J.**, De Wall, C. N., & Bushman, B. (2012). Buffer the Pain away: Stimulating the rVLPFC Reduces Pain Following Social Exclusion". *Psychological Science*, 23, 1473-1475. ISSN: 0956-7976.
14. **Romero Lauro, L. J.**, Reis, J., Cohen, L. G., Cecchetto, C., & Papagno, C. (2011). A case for the involvement of phonological loop in sentence comprehension. *Neuropsychologia*, 48, 4003-4011. ISSN: 0028-3932.
15. Papagno, C., Miracapillo, C., Casarotti, A., **Romero Lauro, L.**, Castellano, A., Casaceli, C. & Bello, L. (2011). What is the role of the uncinata fasciculus? Surgical removal and proper name retrieval. *Brain*, 134, 405-414. ISSN: 0006-8950.
16. Casarotto, S., **Romero Lauro, L. J.**, Bellina, V., Casali, A. G., Rosanova, M., Pigorini, A., Defendi, S., Mariotti, M., & Massimini, M. (2010). EEG Responses to TMS Are Sensitive to Changes in the Perturbation Parameters and Repeatable over Time. *PLoS ONE*, 5(4): e10281. doi:10.1371/journal.pone.0010281. ISSN: 1932-6203.
17. Papagno, C. & **Romero Lauro, L.** (2010). The neural basis of idiom processing: neuropsychological and neurophysiological evidence. *Italian Journal of Linguistics*, 22(1), 21-40. ISSN: 1120-2726.
18. Schettino, A., **Romero Lauro, L.**, Crippa, F., Anselmetti, S., Cavallaro, R., & Papagno, C. (2009). The comprehension of idiomatic expressions in schizophrenic patients. *Neuropsychologia*, 48, 1032-1040. ISSN: 0028-3932.
19. **Romero Lauro, L.**, Tettamanti, M., Cappa, S., & Papagno, C. (2008). Idiom comprehension: a prefrontal task? *Cerebral Cortex*, 18(1), 162-170. ISSN: 1047-3211.
20. Sassaroli, S., **Romero, L.**, Ruggiero, G. M., Mauri, M. C., Vinai, P., & Frost, R. (2008) Perfectionism in depression, obsessive compulsive disorder and eating disorders. *Behaviour Research and Therapy* 46(6), 757-765. ISSN: 0005-7967.
21. **Romero, L.**, Walsh, V., & Papagno, C. (2006). The neural correlates of verbal short-term memory: an rTMS study. *Journal of Cognitive Neuroscience*, 18(7), 1147-1155. ISSN: 0898-929X.

22. Oliveri, M., **Romero, L.**, & Papagno, C. (2004). Left But Not Right Temporal Involvement in Opaque Idiom Comprehension: A Repetitive Transcranial Magnetic Stimulation Study. *Journal of Cognitive Neuroscience*, 16(5), 848-855. ISSN: 0898-929X.

Proceedings-Astracts on International Journals

23. **Romero Lauro, L. J.**, Riva, P., Vergallito, A. (2016). Negative emotions modulation by means of anodal transcranial Direct Current Stimulation over right Ventrolateral Prefrontal Cortex. *Neuropsychological Trends*, 20, 134-135
24. Pisoni A., Mattavelli, G., Papagno, C., **Romero Lauro, L. J.** (2016). Direct evidence of tDCS effect on cortical excitability and task performance: a TMS-EEG study on verbal fluency. *Neuropsychological Trends*, 20, 126-127.
25. **Romero Lauro L. J.**, Mattavelli G., Papagno C., Tettamanti, M. Sensorymotor representation of motion verbs in literal vs figurative context: a fMRI study. *Procedia - Social and Behavioral Sciences*, Academy of Aphasia, 2012. ISSN: 1877-0428.
26. Mattavelli G., **Romero Lauro L. J.**, Rosanova M., Natale E., Romanella, S., Papagno C. (2012). Cortical excitability and effective connectivity in face processing: a TMS-EEG study. *Perception*, vol 41, supplement, 248. ISSN: 0301-0066.
27. **Romero Lauro L. J.**, Miracapillo, C., Casarotti, A., Bello, L., Papagno, C. (2010). What is the role of the Uncinate Fasciculus? *Procedia Social and Behavioral Sciences*, 6, 84–85. ISSN: 1877-0428.
28. Schettino, A., **Romero Lauro, L.J.** Anselmetti, S., Crippa, F., Cavallaro, R., Papagno, C. (2008). The comprehension of idiomatic expressions in schizophrenic patients. *Schizophrenia Research*, 102 (1), 127-128. ISSN: 0920-9964.
29. **Romero, L.**, Pisoni, A., Zerboni, H., & Papagno, C. (2007). The neural correlates of abstract versus concrete words: evidence from a rTMS study. *Brain and Language*, 103, 146-47. ISSN: 0093-934X.
30. **Romero, L.**, Tettamanti, M., Papagno, C., & Cappa, S. (2006). The neural correlates of idiom comprehension: an fMRI study. *NeuroImage*, 31(Supplement1), e239. ISSN: 1095-9572.
31. Papagno, C., Oliveri, M., & **Romero, L.** (2002). Neural correlates of Idiom Comprehension. *Cortex*, 38, 895-898. ISSN: 0010-9452.

Scholar: H index: 14 i10 Index: 14 Total number of citations: 804

Scopus: H Index: 11 Total number of citations: 504

SELECTED CONFERENCES PRESENTATIONS:

- **Romero Lauro, L. J.**, Riva, P., Vergallito, A. (October 2016). Negative emotions modulation by means of anodal transcranial Direct Current Stimulation over right Ventrolateral Prefrontal Cortex.
XXIV National Congress of the Italian Society of Psychophysiology, Milano, Italy
- **Romero Lauro, L. J.** Pisoni, A., Mattavelli, G., Vergallito, A., Fecchio, M., Rosanova, M. (September 2016). Coil waveform and orientation impact on TMS evoked potentials. A TMS-EEG study.
The Fresco Conference 4th International Workshop on Synaptic Plasticity: "from bench to bedside", Lucca, Italy.
- **Romero Lauro, L. J.**, Pisoni, A., Vergallito, A. & Bolognini, N. (September 2016). The neurophysiological underpinnings of mirror-touch synaesthesia: a TMS-EEG study.
6th International Conference on Transcranial Brain Stimulation, Gottingen, Germany.
- **Romero Lauro, L. J.** (July 2016). Tracking the effect of tDCS on cortical plasticity by means of TMS-EEG.
Workshop on "Brain cortex stimulation and control of neural plasticity, Albacete, Spain.
- **Romero Lauro, L. J.**, Pisoni, A., Rosanova, M., Mattavelli, G., Bolognini, N., & Vallar, G. (September 2015). Localizing the effect of anodal tDCS: evidence from TMS-EEG integrated system.
ESCOPE, Paphos, Cyprus.
- Mattavelli, G., Rosanova, M., Papagno, C., & **Romero Lauro, L. J.** (June 2014). Top-down interference and cortical responsiveness in face processing: A TMS-EEG study .
Summer school, University of Milano-Bicocca "What faces can reveal about social and cognitive processes, Milano, Italy.
- **Romero Lauro, L.J.**, Rosanova, M., Mattavelli, G., Convento, S., Pisoni, A., Bolognini, N., & Vallar, G. (September 2013). Anodal transcranial direct current stimulation (tDCS) globally increases cortical excitability: direct evidences from TMS-EEG.
Workshop on "Non-invasive Electrical Brain Stimulation (tDCS, tACS, tRNS): Basic and Applied Research", Brescia, Italy.
- **Romero Lauro L. J.**, Mattavelli G., Papagno C., & Tettamanti, M. (October 2012). Sensorymotor representation of motion verbs in literal vs figurative context: a fMRI study.
Annual Meeting of the Academy of Aphasia, San Francisco, US.
- **Romero Lauro, L.** (October 2012). The role of vSTM in sentence comprehension: a study with rTMS.
Workshop on TMS and Language, Freiburg, Germany.

- **Romero Lauro L. J.**, Pisoni, A., Ottone, S., Ponzano, F & Zarri, L. (September 2011). MEP modulation by the meaning of an action: a TMS study.
Federation of European Societies of Neuropsychology(ESN), Basel, Switzerland.
- **Romero Lauro L. J.**, Mattavelli, G., Papagno, C., & Tettamanti, M. (May 2011). 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.
Società Italiana di Neuropsicologia, Bologna, Italy.
- **Romero Lauro L. J.**, Miracapillo, C., Casarotti, A., Bello, L., & Papagno, C. (October 2010). What is the role of the Uncinate Fasciculus?
Academy of Aphasia, Athens, Greece.
- **Romero Lauro, L.** Cecchetto, C., & Papagno, C. (June 2010). The dog that the boy is watching is chasing the cat". Do we need the phonological loop to understand it?
Psycholinguistics across the borders, Rovereto, Italy.
- **Romero, L.**, Reis, J., Cecchetto, C., Cohen, L. G., Papagno, C. (September 2008). The role of verbal short-term memory (STM) in sentence comprehension: an rTMS study.
Academy of Aphasia, Turku, Finland.
- **Romero, L.**, Pisoni, A., Zerboni, H., & Papagno, C. (October, 2007). The neural correlates of abstract versus concrete words: evidence from a rTMS study.
Academy of Aphasia, Washington, Washington DC.
- **Romero, L.**, Tettamanti, M., Papagno, C., & Cappa, S. (June 2006). The neural correlates of idiom comprehension: an fMRI study.
Human Brain Mapping, Firenze, Italy.
- **Romero, L.**, Walsh, V., & Papagno, C. (August, 2005). The neural correlates of the phonological loop: a study with repetitive Transcranial Magnetic Stimulation (rTMS).
ESCOF, Leiden, (NL).
- **Romero, L.**, Papagno, C., & Oliveri, M. (April 2004). Left but not right temporal involvement in opaque idiom comprehension: a repetitive Transcranial Magnetic Stimulation study.
EURESCO Conferences, "Mind, Language and Metaphor", Granada, Spain.

EDITORIAL ACTIVITY FOR SCIENTIFIC INTERNATIONAL JOURNALS

Invited reviewer: *Plos one* (October 2013-)
Cortex (May 2013-)
Neuropsychologia (May 2013-)
Cerebral Cortex (April 2012-)
Research in Psychology (November 2011-)
Brain and Language (April 2010-)

Cerebral Cortex (April 2011-)
Journal of Neuropsychology (May -2011)

Milano, 28/02/ 2017

Leonor J. Romero Lauro

Leonor J Romero Lauro

*"Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196
"Codice in materia di protezione dei dati personali"*