

Curriculum Vitae et Studiorum

Giorgia Committeri

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Date of birth: 14/04/1974 Nationality: Italian

✓ POSITION

Associate Professor of Psychobiology (M-PSI/02)

University: "G. d'Annunzio" (Chieti-Pescara, Italy)

Department: Neuroscience, Imaging and Clinical Sciences

✓ EDUCATION

Phd: Cognitive Neuroscience

Date: April 2003 University: "La Sapienza" (Rome, Italy)

Degree: Psychology

Mark: 110/110 and *magna cum laude*

Date: December 1998 University: "La Sapienza" (Rome, Italy)

✓ MAIN RESEARCH AREAS

- Anatomico-clinical correlation in brain-damaged patients
- Neural basis of spatial cognition and sensorimotor transformations
- Resting state activity and inter-individual variability

✓ TEACHING EXPERIENCE

2011-today

"Neuropsychology" course for the Master Degree in Psychology

2011-today

"Psychobiology II" for the Degree in Psychological Sciences and Techniques

2008-2010

"Neuropsychology" and "Cognitive Neuroscience" courses for the Master Degree in Psychology

2005-2008

"Neuropsychology" course for the Degree in Psychological Sciences and Techniques

✓ UNIVERSITARY RESPONSIBILITIES

2007-today. Head of the Neuropsychology and Cognitive Neuroscience

2007-today. Faculty member of the PhD in "Neuroscience and Imaging"

2012-today. Head of the University Service of Neuropsychology (SUNP)

✓ BOOK CHAPTERS

1. Pizzamiglio L, Committeri G, Spitoni G & Denes F (*in press*) Disturbi della rappresentazione corporea. In: Manuale di Neuropsicologia (terza edizione) Zanichelli. A cura di: Denes F & Pizzamiglio L.
2. Committeri G & Galati G (*in press*) How does the brain build memory-relevant paths? Eds: Scheid & Berthoz, Collège de France Series Edition
3. Committeri G & Fini C (2016) Body Presence and Extrapersonal Space Perception. In Theatre and Cognitive Neuroscience. Eds: Falletti C, Sofia G, Jacono V. Bloomsbury Methuen Drama Publishing (London). ISBN: 9781472584809

✓ PUBLICATIONS IN SCIENTIFIC, PEER-REVIEWED JOURNALS

1. Committeri G, Piervincenzi C, Pizzamiglio L (*in press*) Personal neglect: a comprehensive theoretical and anatomo-clinical review. Neuropsychology, accepted 23 July 2017
2. Calluso C, Tosoni A, Fortunato G, Committeri G. (2017) Can you Change my Preferences? Effect of Social influence on Intertemporal Choice Behavior. Behav Brain Res. 330:78-84
3. Tosoni A, Committeri G, Calluso C, Galati G. (2017) The effect of reward expectation on the time course of perceptual decisions. Eur J Neurosci. 45(9):1152-1164
4. Fini C, Bardi L, Troje NF, Committeri G, Brass M. (2017) Priming biological motion changes extrapersonal space categorization. Acta Psychol (Amst). 172:77-83.
5. Fini C, Bardi L, Epifanio A, Committeri G, Moors A, Brass M. (2017) Transcranial direct current stimulation (tDCS) of the inferior frontal cortex affects the "social scaling" of extrapersonal space depending on perspective-taking ability. Exp Brain Res. 235(3):673-679
6. Tosoni A, Guidotti R, Del Gratta C, Committeri G, Sestieri C. (2016) Preferential coding of eye/hand motor actions in the human ventral occipito-temporal cortex. Neuropsychologia. 93(Pt A):116-127
7. Baldassarre A, Capotosto P, Committeri G, Corbetta M. (2016) Magnetic stimulation of visual cortex impairs perceptual learning. Neuroimage 143:250-255
8. Piervincenzi C, Petrilli A, Marini A, Caulo M, Committeri G, Sestieri C. (2016) Multimodal assessment of hemispheric lateralization for language and its relevance for behavior. Neuroimage 142:351-370.
9. Sulpizio V, Committeri G, Lambrey S, Berthoz A, Galati G. (2016) Role of the human retrosplenial cortex/parieto-occipital sulcus in perspective priming. Neuroimage. 125:108-119.
10. Ebisch SJ, Bello A, Spitoni GF, Perrucci MG, Gallese V, Committeri G, Pastorelli C, Pizzamiglio L. (2015) Emotional susceptibility trait modulates insula responses and functional connectivity in flavor processing. Front Behav Neurosci. 9:297.
11. Committeri G, Piccardi L, Galati G, Guariglia C. (2015) Where did you "left" Piazza del Popolo? At your "right" temporo-parietal junction. Cortex 73:106-111.
12. Cali G, Ambrosini E, Picconi L, Mehling WE, Committeri G. (2015) Investigating the relationship between interoceptive accuracy, interoceptive awareness, and emotional susceptibility. Front Psychol 6:1202.
13. Calluso C, Committeri G, Pezzulo G, Lepora N, Tosoni A. (2015) Analysis of hand kinematics reveals inter-individual differences in intertemporal decision dynamics. Exp Brain Res. 233(12):3597-611.
14. Sulpizio V, Committeri G, Metta E, Lambrey S, Berthoz A, Galati G. (2015) Visuo-spatial transformations and personality: evidence of a relationship between visuo-

- spatial perspective taking and self-reported emotional empathy. *Exp Brain Res.* 233(7):2091-102.
15. Renda G, Committeri G, Zimarino M, Di Nicola M, Tatasciore A, Ruggieri B, Ambrosini E, Viola V, Antonucci I, Stuppia L, De Caterina R (2015) Genetic determinants of cognitive responses to caffeine drinking identified from a double-blind, randomized, controlled trial. *Eur Neuropsychopharmacol* 25(6):798-807.
 16. Fini C, Committeri G, Müller B, Deschrijver E, Brass M (2015) How watching Pinocchio movies changes our subjective experience of extrapersonal space. *PLoS One* 10(3):e0120306.
 17. Calluso C, Tosoni A, Pezzulo G, Spadone S, Committeri G (2015) Interindividual variability in functional connectivity as long-term correlate of temporal discounting. *PLoS One* 10(3):e0119710.
 18. Committeri G, Cirillo S, Costantini M, Galati G, Romani GL, Aureli T. (2015) Brain activity modulation during the production of imperative and declarative pointing. *Neuroimage* 109:449-57.
 19. Fini C, Brass M, Committeri G (2015) Social scaling of extrapersonal space: distance perception is reduced when adopting the Other's body as reference. *Cognition* 134: 50-56.
 20. Montefinese M, Sulpizio V, Galati G, Committeri G. (2015) Age-related effects on spatial memory across viewpoint changes relative to different reference frames. *Psychol Res* 79(4):687-97.
 21. Tosoni A, Pitzalis S, Committeri G, Fattori P, Galletti C, Galati G. (2015) Resting-state connectivity and functional specialization in human medial parieto-occipital cortex. *Brain Structure and Function.* 220(6):3307-21
 22. Fini C, Costantini, M, Committeri G (2014) Sharing Space: The Presence of Other Bodies Extends the Space Judged as Near. *PLoS One* 10;9(12):e114719.
 23. Sulpizio V, Committeri G, Galati G (2014) Distributed cognitive maps reflecting real distances between places and views in the human brain. *Frontiers in Human Neuroscience*, 8: 716.
 24. Vastano R, Sulpizio V, Steinisch M, Comani S, Committeri G (2014) Embodied and disembodied allocentric simulation in high schizotypal subjects. *Exp Brain Res* 232(10):3023-33.
 25. Tosoni A, Corbetta M, Committeri G, Calluso C, Pezzulo G, Romani G, Galati G. Decision and action planning signals in human posterior parietal cortex during delayed perceptual choices. *Eur J Neurosci* (2014) 39(8):1370-83.
 26. Pitzalis S, Sereno MI, Committeri G, Fattori P, Galati G, Tosoni A, Galletti C. The Human Homologue of Macaque Area V6A. (2013) *Neuroimage* 82:517-30.
 27. Ciavarro M, Ambrosini E, Tosoni A, Committeri G, Fattori P, Galletti C. (2013) rTMS of Medial Parieto-occipital Cortex Interferes with Attentional Reorienting during Attention and Reaching Tasks. *J Cogn Neurosci* 25(9):1453-62
 28. Pitzalis S, Sdoia S, Bultrini A, Committeri G, Di Russo F, Fattori P, Galletti C, Galati G. Selectivity to translational egomotion in human brain motion areas. (2013) *PLoS One* 8(4):e60241.
 29. Notturmo F, Sepe R, Caulo M, Unicini A, Committeri G (2013) Pseudocortical and dissociate discriminative sensory dysfunction in a thalamic stroke. *Cortex* 49(1):336-9
 30. Sulpizio V, Committeri G, Lambrey S, Berthoz A, Galati G. (2013) Selective role of lingual/parahippocampal gyrus and retrosplenial complex in spatial memory across viewpoint changes relative to the environmental reference frame. *Behav Brain Res.* 242:62-75.
 31. Bastin J, Committeri G, Kahane P, Galati G, Minotti L, Lachaux JP, Berthoz A. (2013) Timing of posterior parahippocampal gyrus activity reveals multiple scene processing stages. *Human Brain Mapp* 34(6):1357-70.

- Committeri G. (2012) Behavioral investigation on the frames of reference involved in visuomotor transformations during peripheral arm reaching. *PLoS One* 7(12):e51856.
33. Baldassarre A, Lewis C, Committeri G, Snyder AZ, Romani GL, Corbetta M. (2012) Individual variability in functional connectivity predicts performance of a perceptual task. *PNAS* 109(9):3516-21.
 34. Galati G, Committeri G, Pitzalis S, Pelle G, Patria F, Fattori P, Galletti C. (2011) Intentional signals during saccadic and reaching delays in the human posterior parietal cortex. *Eur J Neurosci* 34(11):1871-85.
 35. Steinisch M, Sulpizio V, Iorio AA, Di Naccio A, Haueisen J, Committeri G, Comani S. (2011) A virtual environment for egocentric and allocentric mental transformations: a study on a nonclinical population of adults with distinct levels of schizotypy. *Biomed Tech (Berl)* 56(5):291-9.
 36. Costantini M, Committeri G, Sinigaglia C. (2011) Ready both to your and to my hands: mapping the action space of others. *PLoS One* 6(4):e17923.
 37. Busiello M, Costantini M, Galati G, Committeri G. (2011) Sensory-motor interference abolishes repetition priming for observed actions, but not for action-related verbs. *Neurosci Lett.* 492(2):89-93.
 38. Costantini M, Ambrosini E, Tieri G, Sinigaglia C, Committeri G. (2010) Where does an object trigger an action? An investigation about affordances in space. *Exp Brain Res.* 207(1-2):95-103.
 39. Landgraf S, Krebs MO, Olié JP, Committeri G, van der Meer E, Berthoz A, Amado I. (2010) Real world referencing and schizophrenia: are we experiencing the same reality? *Neuropsychologia* 48(10):2922-30.
 40. Galati G, Pelle G, Berthoz, A, Committeri G, 2010. Multiple reference frames used by the human brain for spatial perception and memory. *Exp Brain Res.* 206(2):109-20.
 41. Pitzalis S, Sereno MI, Committeri G, Fattori P, Galati G, Patria F, Galletti C., 2010. Human V6: The Medial Motion Area. *Cerebral Cortex.* 20(2):411-424.
 42. Lewis CM, Baldassarre A, Committeri G, Romani GL, Corbetta M. 2009 Learning sculpts the spontaneous activity of the resting human brain. *Proc Natl Acad Sci U S A,* 106(41):17558-63.
 43. Caulo M, Briganti C, Notturmo F, Committeri G, Mattei PA, Tartaro A, Gallucci M, Uncini A, 2009. Non-Alcoholic Partially Reversible Marchiafava-Bignami Disease: Review and Relation with Reversible Splenial Lesions. A Case Report and Literature Review. *The Neuroradiology Journal,* 22: 35-40.
 44. Iaria G, Palermo L, Committeri G, Barton JJ, 2009. Age differences in the formation and use of cognitive maps. *Behavioral Brain Research,* 195(2):187-91.
 45. Costantini M, Committeri G, Galati G, 2008. Effector- and target-independent representation of observed actions: evidence from incidental repetition priming. *Exp Brain Res.* 188(3):341-51.
 46. Galati G, Committeri G, Spitoni G, Aprile T, Di Russo F, Pitzalis S, Pizzamiglio L., 2008. A Selective Representation of the Meaning of Actions in the Auditory Mirror System. *Neuroimage,* 40(3):1274-86.
 47. Iaria G, Committeri G, Pastorelli C, Pizzamiglio L, Watkins KE, Carota A, 2008. Neural activity of the anterior insula in emotional processing depends on the individuals' emotional susceptibility. *Human Brain Mapp* 29(3):363-73.
 48. Committeri G, Pitzalis S, Galati G, Patria F, Pelle G, Sabatini U, Castriota-Scanderbeg A, Piccardi L, Guariglia C, Pizzamiglio L, 2007. Neural bases of personal and extrapersonal neglect in humans. *Brain,* 130: 431-441.
 49. Pitzalis S, Galletti C, Huang R-S, Patria F, Committeri G, Galati G, Fattori P, Sereno MI, 2006. Wide-field retinotopy reveals the human cortical visual area V6. *J Neurosci* 26(30):7962-73.

50. Di Russo F, Committeri G, Pitzalis S, Spitoni G, Piccardi L, Galati G, Catagni M, Nico D, Guariglia C, Pizzamiglio L, 2006. Cortical Plasticity Following Surgical Extension of Lower Limbs. *Neuroimage*, 30(1):172-183.
51. Mainy, N., Jung, J., Committeri, G., Berthoz, A., Baciú, M., Minotti, L., Hoffmann, D., Kahane, P., Bertrand, O., Lachaux, J.P., 2006. The timing of neural processes in humans: beyond the evoked potentials.. *Chaos and complexity letters*, 2(2), pp 10-15. ISSN:1555-3995.
52. Castriota-Scanderbeg A, Hagberg G, Cerasa A, Committeri G, Galati G, Patria F, Pitzalis S, Caltagirone C, Frackowiak R, 2005. The appreciation of wine by sommeliers: a functional magnetic resonance study of sensory integration. *Neuroimage*, 25(2):570-578.
53. Committeri G, Galati G, Paradis A-L, Pizzamiglio L, Berthoz A, LeBihan D, 2004. Reference frames for spatial cognition: different brain areas are involved in viewer-, object-, and landmark-centered judgements about object location. *J Cogn Neurosci* 16(9): 1517-1535.
54. Committeri G, Galati G, Pizzamiglio L, Paradis A-L, LeBihan D, Berthoz A, 2004. Retrosplenial and ventromedial occipital-temporal regions are specialized for environment-centered spatial judgements. *Biomedizinische Technik (Berl)*, 48(2): 217-220. ISSN: 0939-4990.
55. Galati G, Committeri G, Sanes JN, Pizzamiglio L, 2001. Spatial coding of visual and somatic sensory information in body-centered coordinates. *Eur J Neurosci* 14(4):737-46.
56. Pizzamiglio L, Galati G, Committeri G, 2001. The contribution of functional neuroimaging to recovery after brain damage: A review. *Cortex*, 37(1):11-31.
57. Pizzamiglio L, Committeri G, Galati G, Patria F, 2000. Psychophysical properties of line bisection and body midline perception in unilateral neglect. *Cortex*, 36(4):469-84.