

Curriculum Vitae

Farnè Alessandro, 21/09/1967 (50 y-old, married, two children)

alessandro.farne@inserm.fr

tel: 04 72 91 34 12 ; fax: 04 72 91 34 01

ResearcherID (WoS): G-1238-2015 - au 18/09/2017. h-index 35. i10-index 78. Average Citations per Article: 40.91

Education and appointments

1992	Experimental Psychology Degree, Padova University, Italy
1999	PhD in Experimental Psychology, Bologna University, Italy
1999-2000	Postdoctoral fellow: Neuropsychology, Bologna University, Italy
2000-2001	Postdoctoral fellow: Cognitive Neuroscience, Rice University, USA
2001-2005	Assistant Professor in Psychology, Bologna University, Italy
07/2008	Animal Experimentation Degree, Lyon-I University, Lyon, France
2005-2010	Tenured Researcher (INSERM CR1) at INSERM U864 Espace et Action, Lyon I University, France
2006-2010	AVENIR Team Director «Multisensory Space & Action »
2010-	Research Director (INSERM DR2) at Lyon Neuroscience Research Centre, U1028 ImpAct team
2012-	Head of the Neuro-Immersion platform at the CRNL, U1028 Impact team
2012-2016	Member of Section 26 (Brain, Cognition & Behaviour) of the CNRS

Research interests and expertise

Tool-use and sensing, Vision & Touch perception, Plasticity, Multisensory Perception & Action, Attention, Neuropsychology, Hemispatial neglect, extinction, Neurocognitive rehabilitation

Peer reviewing

Brain, Cerebral Cortex, Cognition, Cognitive Neuropsychology, Cortex, Developmental Science, Current Biology, Emotion, Experimental Brain Research, European Journal of Neuroscience, Frontiers (Human Neurosci, Behavioural Neurosci, Psychology), Journal of Neurophysiology, Journal of Neuroscience, Journal of Experimental Psychology General, Journal of Experimental Psychology: Human Perception and Performance, Journal of Neurology, Journal of Vision, Neurosurgery & Psychiatry, Journal of Neurophysiology, Journal of Physiology, Nature Communication, NeuroImage, Neuropsychologia, Neuropsychology, Neurology, NeuroReport, Perception, PLOS One, PNAS, Trends in Cognitive Sciences

Peer reviewing (funding agencies)

EU FP6, EU FP 7 (ITC), Wellcome Trust, AERES (FR), ANR (FR), MIUR (IT), ANVUR (IT), FWO (BE), Turin University Counseling, NSF (USA),

Scientific careers assessment

ICREA peer evaluation for the Government of Catalonia's Ministry of Innovation, Universities and Enterprises and by the Catalan Foundation for Research and Innovation. Spain, 2008
Goldsmiths, University of London. United Kingdom, 2014

Honors

1997	"Young Researcher Prize" co-awarded by the Italian Psychological Association
2004	Research Prize awarded by the University of Bologna
2006	AVENIR team Award
2007	« Ennio De Renzi Prize » co-awarded by the Italian Neuropsychology Society
2008	AVENIR team Award, by INSERM
2010	James S. McDonnell Foundation "Scholar Award"
2017	Prix Medisite Recherche Medicale en Neurosciences Fondation Medisite, Fondation de France.

Publications (last 5 years)

Peer reviewed international journals (supervised students and lab members in bold)

- 1 **Ronchi R, Rode G**, Cotton F, **Farnè A**, Rossetti Y, **Jacquin-Courtois S**. Remission of anosognosia for right hemiplegia and neglect after caloric vestibular stimulation. *Restor Neurol Neurosci*. 2013;31(1):19-24.
- 2 Ishihara M, Revol P, **Jacquin-Courtois S**, Mayet R, **Rode G**, Boisson D, **Farnè A**, Rossetti Y. Tonal cues modulate line bisection performance: preliminary evidence for a new rehabilitation prospect? *Front Psychol*. 2013 Oct 7;4:704. doi:10.3389/fpsyg.2013.00704.
- 3 Moreau R, Moubarak S, Pham MT, Frassinetti F, **Farnè A**. The use of an exoskeleton to investigate the self advantage phenomenon. *Conf Proc IEEE Eng Med Biol Soc*. 2013: 2503-2506.
- 4 **Hadj-Bouziane F**, Monfardini E, **Guedj C**, Gardechaux G, Hynaux C, **Farnè A**, **Meunier M**. The helmet head restraint system: a viable solution for resting state fMRI in awake monkeys. *Neuroimage*. 2014 Feb 1;86:536-43.
- 5 **Schintu S**, Pisella L, **Jacobs S**, **Salemme R**, **Reilly KT***, **Farnè A***. Prism adaptation in the healthy brain: the shift in line bisection judgments is long lasting and fluctuates. *Neuropsychologia*. 2014; 53:165-70.

- 6 **Baccarini M**, Martel M, **Cardinali L**, Sillan O, **Farnè A***, Roy AC*. Tool use imagery triggers tool incorporation in the body schema. *Front Psychol.* 2014 May 30;5:492. doi: 10.3389/fpsyg.2014.00492.
- 7 Bourgeois J, **Farnè A**, Coello Y. Costs and benefits of tool-use on the perception of reachable space. *Acta Psychol (Amst).* 2014; 148:91-5.
- 8 Panouillères M, **Habchi O**, Gerardin P, **Salemme R**, Urquizar C, **Farnè A**, Pélisson D. A role for the parietal cortex in sensorimotor adaptation of saccades. *Cereb Cortex.* 2014; 24(2):304-14.
- 9 **Muret D**, Dinse HR, **Macchione S**, Urquizar C, **Farnè A***, **Reilly KT***. Touch improvement at the hand transfers to the face. *Current Biology.* 2014 R736-737.
- 10 **Tamè L**, Pavani F, Papadelis C, **Farnè A**, Braun C. Early integration of bilateral touch in the primary somatosensory cortex. *Human Brain Mapping* 2015; 36(4), 1506-1523.
- 11 **L Tamè**, F Pavani, C Braun, **R Salemme**, **A Farnè***, **KT Reilly***. Somatotopy and temporal dynamics of sensorimotor interactions: evidence from double afferent inhibition. *European Journal of Neuroscience* 2015; 41: 1459-1465.
- 12 **TR Makin**, **C Brozzoli**, **L Cardinali**, **NP Holmes**, **A Farnè**. Left or right? Rapid visuomotor coding of hand laterality during motor decisions. *Cortex* 2015; 64: 289-292.
- 13 Habchi O, Rey E, Mathieu R, Urquizar C, **Farnè A***, Pélisson D*. Deployment of spatial attention without moving the eyes is boosted by oculomotor adaptation. *Front Hum Neurosci.* 2015 Aug 4;9:426.
- 14 Gerardin P, Nicolas J, **Farnè A**, Pélisson D. Increasing Attentional Load Boosts Saccadic Adaptation. *Invest Ophthalmol Vis Sci.* 2015 Oct;56(11):6304-12.
- 15 **Cardinali L**, **Brozzoli C**, Finos L, Roy AC*, **Farnè A***. The rules of tool incorporation: Tool morpho-functional & sensori-motor constraints. *Cognition.* 2016 Apr;149:1-5.
- 16 **Martín-Arévalo E**, Laube I, Koun E, **Farnè A**, Reilly KT, Pisella L. Prism Adaptation Alters Electrophysiological Markers of Attentional Processes in the Healthy Brain. *J Neurosci.* 2016 Jan 20;36(3):1019-30.
- 17 **Muret D**, Daligault S, Dinse HR, Delpuech C, Mattout J, **Reilly KT***, **Farnè A***. Neuromagnetic correlates of adaptive plasticity across the hand-face border in human primary somatosensory cortex. *J Neurophysiol.* 2016 Apr;115(4):2095-104.
- 18 **Huchon L**, Badet L, Roy AC, Finos L, Gazarian A, Revol P, Bernardon L, Rossetti Y, Morelon E, **Rode G**, **Farnè A**. Grasping objects by former amputees: The visuo-motor control of allografted hands. *Restor Neurol Neurosci.* 2016 Feb 11;34(4):615-33.
- 19 **Patané I**, **Farnè A**, Frassinetti F. Prismatic Adaptation Induces Plastic Changes onto Spatial and Temporal Domains in Near and Far Space. *Neural Plast.* 2016;2016:3495075.
- 20 **Patané I**, Iachini T, **Farnè A**, Frassinetti F. Disentangling Action from Social Space: Tool-Use Differently Shapes the Space around Us. *PLoS One.* 2016 May 4;11(5):e0154247.
- 21 **Jacquet PO**, Roy AC, Chambon V, Borghi AM, **Salemme R**, **Farnè A***, **Reilly KT***. Changing ideas about others' intentions: updating prior expectations tunes activity in the human motor system. *Sci Rep.* 2016 May 31;6:26995.
- 22 **Tamè L**, Braun C, Holmes NP, **Farnè A**, **Pavani F**. Bilateral representations of touch in the primary somatosensory cortex. *Cogn Neuropsychol.* 2016 Feb-Mar;33(1-2):48-66.
- 23 **Cardinali L**, **Brozzoli C**, **Luauté J**, Roy AC, **Farnè A**. Proprioception Is Necessary for Body Schema Plasticity: Evidence from a Deafferented Patient. *Front Hum Neurosci.* 2016 Jun 16;10:272.
- 24 **Schintu S**, **Martín-Arévalo E**, Vesia M, Rossetti Y, **Salemme R**, Pisella L, **Farnè A***, **Reilly KT***. Paired-Pulse Parietal-Motor Stimulation Differentially Modulates Corticospinal Excitability across Hemispheres When Combined with Prism Adaptation. *Neural Plast.* 2016;2016:5716179.
- 25 Guedj C, **Monfardini E**, Reynaud AJ, **Farnè A**, **Meunier M**, **Hadj-Bouziane F**. Boosting Norepinephrine Transmission Triggers Flexible Reconfiguration of Brain Networks at Rest. *Cereb Cortex.* 2016 Sep 6. [Epub ahead of print] PubMed PMID: 27600848.
- 26 **Martín-Arévalo E**, **Schintu S**, **Farnè A**, Pisella L, **Reilly KT**. Adaptation to Leftward Shifting Prisms Alters Motor Interhemispheric Inhibition. *Cereb Cortex.* 2016 Dec 18. [Epub ahead of print] PubMed PMID: 27993820.
- 27 **Bultitude JH**, **Farnè A**, **Salemme R**, Ibarrola D, Urquizar C, O'Shea J, **Luauté J**. Studying the neural bases of prism adaptation using fMRI: A technical and design challenge. *Behav Res Methods.* 2016 Dec 30. doi: 10.3758/s13428-016-0840-z. [Epub ahead of print] PubMed PMID: 28039678.
- 28 **Patané I**, **Farnè A***, Frassinetti F*. Cooperative tool-use reveals peripersonal and interpersonal spaces are dissociable. *Cognition.* 2017 Sep;166:13-22.
- 29 **Schintu S**, **Patané I**, **Caldano M**, **Salemme R**, **Reilly KT***, Pisella L*, **Farnè A***. The Asymmetrical Effect of Leftward and Rightward Prisms on Intact Visuospatial Cognition. *Cortex*, 2017; 97: 23-31.

Reviews

- 30 **Brozzoli C**, Ehrsson HH, **Farnè A**. Multisensory representation of the space near the hand: from perception to action and interindividual interactions. *Neuroscientist.* 2014; 20(2):122-35.
- 31 Marquardt G, Cross ES, de Sousa AA, Edelstein E, **Farnè A**, Leszczynski M, Patterson M, Quadflieg S. There or not there? A multidisciplinary review and research agenda on the impact of transparent barriers on human perception, action, and social behavior. *Front Psychol.* 2015 Sep 15;6:1381.
- 32 **Martel M**, **Cardinali L**, Roy AC*, **Farnè A***. Tool-use: An open window into body representation and its plasticity. *Cogn Neuropsychol.* 2016 Feb-Mar;33(1-2):82-101.

Editorials & Commentaries

- 33 Dijkerman HC & **Farnè A**. Sensorimotor and social aspects of peripersonal space. Special Issue paru dans *Neuropsychologia* 2015; 70:309-312. <http://www.sciencedirect.com/science/journal/00283932/70>
- 34 **Miller L**, **Farnè A**. Losing self control. *ELife.* 2016 Oct 20;5. pii: e21404. doi: 10.7554/eLife.21404.