

Pasquale Cardellicchio
CURRICULUM VITAE

Personal information



First name / Surname	Pasquale Cardellicchio
Address	Corso Isonzo 44121 Ferrara(Italy)
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E-mail	pasquale.cardellicchio@gmail.com
Web:	https://sites.google.com/site/pasqualecardellicchio/
Nationality	Italy
Date of birth	16 /03/1982 (Taranto) (Italy)
Gender	Male

Degree:

Dates	1/06/2016 - 1/06/2021
Title of qualification	post-doctoral Research Associate IIT@unife , Center for Translational Neurophysiology University of Ferrara
Dates	16/01/2014 -02/05/2016
Title of qualification	post-doctoral Research Associate Department of Neurosciences University of Parma Project "Neuroseeker" (7th Framework Programme of the EC, Future Emerging Technologies) ERC grant "Parietalaction" to study the processing of biological and tool actions of others in the human parietal lobe using intracerebral recordings.
Dates	15/09/2011 – 15/09/2012
Title of qualification awarded	Research Associate in Progetto Speciale Multiasse “Reti per l’Alta Formazione” – Progetto attuativo del Protocollo di Intesa tra Regione Abruzzo e Comitato di Coordinamento delle Università Abruzzesi – P.O.F.S.E. Abruzzo 2007-2013 Ob. CRO Piano Operativo 2009/2011 University G. d’Annunzio Chieti-Pescara
Dates	2009-2012
Title of qualification awarded	PhD. in "Functional neuroimaging from cells to systems" Section Life Sciences, Department of neuroscience and imaging University G. d’Annunzio , Institute of Advanced Biomedical Technologies - (I.T.A.B) - Via dei Vestini 31- 66100 Chieti
Supervisor:	Prof. Marcello Costantini (personal web page)

Dates	2007 - 2008
Title of qualification	PhD student in Neurophysiology Department of Physiology and Pharmacology "Vittorio Erspamer" at the University of Rome "La Sapienza"
Dates	2008
Title of qualification awarded	Postgraduate Course of First Level in Criminological and Security Policies
Dates	2004 -2006
Title of qualification awarded	Specialized Degree in Psychology II level 58/S University G.d 'Annunzio Chieti-Pescara Cognitive address Achieved 21 February 2007 Supervisor Prof. Luca Tommasi Co-relator Prof. Nicola Mammarella
Title of thesis:	"The spatial cognition in virtual environments: the research of center "
Dates	2001 -2004
Title of qualification awarded	Graduated in Psychological Science Level I University G.d 'Annunzio Chieti-Pescara General address Achieved 22, July ,2004 Supervisor Prof. Claudia Casadio
Title of thesis:	"The mechanical mind: from AI to neuroscience"

TEACHING EXPERIENCE

Dates	06/10/2011 – 06/04/2012
Occupation or position held	Teaching activities supervised practical exercises EPG Psychobiology II
Name and address of employer	Laboratory of Neuropsychology and Cognitive Neuroscience, Department of neuroscience and imaging University G. d'Annunzio. Institute of Advanced Biomedical Technologies - (I.T.A.B.) - Via dei Vestini 31- 66100 Chieti
Dates	23/04/2012 – 27/04/2012
Occupation or position held	Teaching "Methodology of Neuroscience and Imaging" Transcranial magnetic stimulation: the method and application
Name and address of employer	School of Italian Association of Psychology

PUBLICATIONS:

- Ter Wal, M., Platonov, A., Cardellicchio, P., Pelliccia, V., LoRusso, G., Sartori, I., ... & Tiesinga, P. H. (2020). Human stereoEEG recordings reveal network dynamics of decision-making in a rule-switching task. *Nature communications*, 11(1), 1-12.
- Hilt, P. M., Cardellicchio, P., Dolfini, E., Pozzo, T., Fadiga, L., & D'Ausilio, A. (2020). Motor Recruitment during Action Observation: Effect of Interindividual Differences in Action Strategy. *Cerebral Cortex*, 30(7), 3910-3920.
- Cardellicchio, P., Dolfini, E., Hilt, P. M., Fadiga, L., & D'Ausilio, A. (2020). Motor cortical inhibition during concurrent action execution and action observation. *NeuroImage*, 208, 116445.
- Hilt, P. M., & Cardellicchio, P. (2020). Attentional bias on motor control: is motor inhibition influenced by attentional reorienting?. *Psychological research*, 84(2), 276-284.
- Hilt, P. M., Cardellicchio, P., & D'Ausilio, A. (2020). The Neurophysiology of Action Perception. In *Modelling Human Motion* (pp. 17-32). Springer, Cham.
- Mul, C. L., Cardini, F., Stagg, S. D., Sadeghi Esfahlani, S., Kiourtsoglou, D., Cardellicchio, P., & Aspell, J. E. (2019). Altered bodily self-consciousness and peripersonal space in autism. *Autism*, 23(8), 2055-2067.
- Ter Wal, M., Cardellicchio, P., LoRusso, G., Pelliccia, V., Avanzini, P., Orban, G. A., & Tiesinga, P. H. (2018). Characterization of network structure in stereoEEG data using consensus-based partial coherence. *NeuroImage*, 179, 385-402.
- Cardellicchio, P., Hilt, P. M., Olivier, E., Fadiga, L., & D'Ausilio, A. (2018). Early modulation of intra-cortical inhibition during the observation of action mistakes. *Scientific Reports*, 8(1), 1-9.
- Costantini, M., Ambrosini, E., Cardellicchio, P., & Sinigaglia, C. (2014). How your hand drives my eyes. *Social cognitive and affective neuroscience*, 9(5), 705-711.
- Cardellicchio, P., Sinigaglia, C., & Costantini, M. (2013). Grasping affordances with the other's hand: a TMS study. *Social cognitive and affective neuroscience*, 8(4), 455-459.
- Cardellicchio, P., Sinigaglia, C., & Costantini, M. (2011). The space of affordances: a TMS study. *Neuropsychologia*, 49(5), 1369-1372.
- Cardellicchio, P., Hilt, P. M., Dolfini, E., Fadiga, L., & D'Ausilio, A. (2020). Beta rebound as an index of temporal integration of somatosensory and motor signals. *Front. Syst. Neurosci.* | doi: 10.3389/fnsys.2020.00063
- Cardellicchio, P., Dolfini, E., Fadiga, L., & D'Ausilio, A. (2020). Parallel fast and slow motor inhibition processes in Joint Action coordination. *Cortex*, 133, 346-357.

**CONFERENCE
PAPER:****Different processes of Concurrent Motor Inhibition are active during Joint Action: Evidence from TMS study**

P Cardellicchio, E Dolfini, E Vescovo, L Fadiga, A D'Ausilio

Joint Meeting of the Federation of European Physiological Societies (FEPS) and the Italian Physiological Society (SIF) Bologna (Italy), September 10th–13th 2019

Motor processes in a multi-agent environment

A D'Ausilio, P Cardellicchio, E Dolfini, P Hilt

International Journal of Psychophysiology 131, S49 (2018)

Robust characterization of network structure in intracranial EEG data using consensus-based partial coherence

MT Wal, P Cardellicchio, GA Orban, PH Tiesinga

Front. Neuroinform. Conference Abstract: Second Belgian Neuroinformatics Congress. (2015)

Expectation of tactile events is enough to induce crossmodal congruency effect (CCE)
F Iezzi, P Cardellicchio, E Ambrosini, F Ferri, M Costantini
Multisensory Research 26,146-147(2013)

**PROGRAMMING
COMPUTER
SOFTWARE
EXPERTISE:**

Expertise in SPSS, [STATISTICA](#), MATLAB, Psychophysics Toolbox for MATLAB: [Psychtoolbox](#), fMRI Toolbox for MATLAB: [Cogent](#), EEG Toolbox for MATLAB: EEGLab, EPRIME, SuperLab, MS Office suite, Visual Basic, Programs audio processing: Gold Wave e Audacity, *programs for implementation and monitoring of virtual environments*: Maze Maker, Maze Walker, Maze Viewer, [Autodesk 3DS MAX](#)
Electromyographic (EMG) Software: [Signal](#) and [Spike2](#).
Working knowledge in Linux/Unix, Mac OS X, Adobe Illustrator, HTML.
[R-CRAN](#)
Recently I have interfaced the [Arduino](#) board in different projects: such as an trigger device (for EEG TMS studies) to use on notebooks or desktop computers.

TALKS:

Cardellicchio P, La Serra M, Sinigaglia C & Costantini M. "Afferrare con la mano di un altro". XVII Congresso Nazionale Associazione Italiana Psicologia, Sezione di Psicologia Sperimentale, Catania, September 14-16 2011

Ambrosini E, **Cardellicchio P**, Sinigaglia C & Costantini M. "Corteccia premotoria ventrale e saccadi proattive durante l'osservazione di azioni". XVII Congresso Nazionale Associazione Italiana Psicologia, Sezione di Psicologia Sperimentale, Catania, September 14-16 2011

POSTER:

Iezzi F, **Cardellicchio P**, Ambrosini E, Ferri F & Costantini M. "Expectation of tactile events is enough to induce crossmodal congruency effect (CCE)". 14th International Multisensory Forum, Jerusalem, IL, June 3-6-2013

Quercia A, Ferrara M, **Cardellicchio P**, Pizzella V, Zappasodi F & Committeri G. "Un nuovo ambiente virtuale per indagare le variazioni elettroencefalografiche (EEG) locali uso-dipendenti durante un compito intensivo". XIX Congresso Nazionale della Sezione di Psicologia sperimentale, Roma, 16-18 September 2013

Cardini F, **Cardellicchio P**, Hills P, Ashworth F. "Multisensory effects on self-face recognition in one patient with acquired prosopagnosia". 16th International [Multisensory Research Forum \(IMRF\)](#), Pisa, Italy, June 13-16, 2015.

Dolfini E., Cardellicchio P., Vescovo E., Fadiga L. D'Ausilio A. "Different processes of concurrent motor inhibition are active during joint action: Evidence from TMS study" Joint Action Meeting (JAM VIII), Genova, (2019)

Cardellicchio P., Dolfini E., Vescovo E., Fadiga L., D'Ausilio A. "Different processes of Concurrent Motor Inhibition are active during Joint Action: Evidence from TMS study" XXVII National Conference of the Italian Society of Psychophysiology, Bologna, (2019)

Cardellicchio P., Dolfini E., Vescovo E., Fadiga L., D'Ausilio A. "Different processes of Concurrent Motor Inhibition are active during Joint Action: Evidence from TMS study" Joint meeting of the European Physiological Societies and the Italian Physiological Society vol. 227, pp. 93, Ferrara, (2019)

Dolfini E., Cardellicchio P., Hilt P., D'Ausilio A. Motor cortical inhibition during concurrent action execution and observation OHBM ANNUAL MEETING, Rome, (2019)

RESEARCH GRANTS:

Dates	15/09/2011 – 15/09/2012
Project	The role of the sensorimotor system in paired object affordance.
Name and address of employer	Progetto Speciale Multiasse “Reti per l’Alta Formazione” – Progetto attuativo del Protocollo di Intesa tra Regione Abruzzo e Comitato di Coordinamento delle Università Abruzzesi – P.O. University G.d 'Annunzio Chieti-Pescara F.S.E. Abruzzo 2007-2013 – Ob. CRO – Piano Operativo 2009-2010-2011

13/03/2021

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