

CONTACTS

URL: <http://orcid.org/0000-0001-9079-2862>

EDUCATION

11/2009 – 11/2012

Sapienza University of Rome - PhD in "Cognitive Plasticity and Rehabilitation" at Social and Cognitive Neuroscience Laboratory, Sapienza University of Rome, Italy.

10/2006 - 11/2008

University of Bologna - Neuropsychology and Life-long Functional Rehabilitation (Master degree) : *The role of inferior frontal gyrus and temporo-parietal junction in detecting deceptive actions: repetitive transcranial magnetic stimulation studies.* Mark: 110/110 cum laude. Supervisors: Prof. Alessio Avenanti, PhD; Prof. Giuseppe di Pellegrino, MD PhD.

10/2003 - 11/2006

University of Bologna - Sciences of Behaviour and Social Relations (Bachelor degree) : *The effect of clown-therapy in hospitalized children.* Mark: 100/110. Supervisors: Prof. Fiorella Monti, PhD; Prof. Francesca Agostini, PhD.

LANGUAGE SKILLS

Native **Italian** speaker.

Good spoken and written **English**.

TECHNICAL SKILLS

Operative System: Windows, Mac

Experienced Techniques: TMS, CAVE like system, Head Mounted Displays, Biopac MP-35, ADInstruments, Motion Capture systems (optic and inertial), BCI (P300, SSVEP, Motor Imagery).

Scientific Application: Biopac Student Lab (EMG analysis), LabChart (EMG analysis), SofTactic Optic 1.2 (3D brain neuronavigation), Ledalab (Skin conductance), g.tec BCI (Simulink models).

Programming: Microsoft Visual Studio, XVR, Matlab, Dreamweaver, E-Prime, R project

Statistical Analysis: Statistica

Graphics & Audio/Video editing: Adobe Photoshop, 3DS Max, Audacity, Adobe Premiere Pro

SCHOLARLY INDICES OF PERFORMANCE (January 2015)

Google Scholar

Citations 123

H-index 4

i10-index 3

Scopus

Citations 86

H-index 4

My total IF (considering 5-year IF values) is about 30.900.

My total SCJ is about 22.722.

IN THE NEWS

1) Quotidiano Sanità.it about Tidoni et al. 2013:

http://www.quotidianosanita.it/scienza-e-farmaci/articolo.php?articolo_id=13576

2) Unibo Magazine about Tidoni et al. 2013:

http://www.magazine.unibo.it/archivio/2013/01/09/riconoscere_le_intenzioni

3) SuperAibile INAIL about the VERE project:

http://www.superabile.it/web/it/CANALI_TEMATICI/Politiche_e_Buoni_Esempi/News/info1676100766.html

TEACHING

2014-2015

- 1) Lecture on BCI techniques and their application in Cognitive Neurosciences and real life. Course of Social Neuroscience. Department of Psychology, Sapienza University of Rome, Italy. 2014-2015

2013-2014

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TUTORSHIP

- 1) Research co-Supervisor of 2 PhD students (Mr. Gabriele Fusco, Mr. Gaetano Tieri)
- 2) Research Tutor of 2 undergraduate students (Bachelor theses; Mr. Francesco Walker, Mr. Simone Badini).

INVITED SPEAKER

2013

- 1) Virtual Reality in Social Neuroscience Research, Brain Awareness Week, 11-12 March , 2013, Rome, Italy.

FELLOWSHIPS, RESEARCH GRANTS AND AWARDS

2014

- 1) BIAL Foundation Research Grant (Num. 2014/150; 2015-2016) - "Measuring the Self: behavioural and neural correlates of bodily awareness". €47.000 [**Role: PI**]
- 2) Best Abstract Prize [€500 Awarded to Gaetano Tieri] for Tieri G, Tidoni E, Pavone EF, Aglioti SM "Body visual discontinuity affects feeling of ownership and skin conductance responses" V.E.R.E PhD Symposium 2014 - Barcelona, Spain, 23-24 October 2014.
- 3) Research fellowship at Santa Lucia Foundation, funded by Collaborative Project VERE - "Virtual Embodiment and Robotic Re-Embodiment" [7PQ-ICT-2009.8.4 - GA no. 257695; PI: SLATER Mel]

2013

- 1) Research fellowship at Santa Lucia Foundation, funded by Collaborative Project VERE - "Virtual Embodiment and Robotic Re-Embodiment" [7PQ-ICT-2009.8.4 - GA no. 257695; PI: SLATER Mel]

2012

- 1) Nationally funded project "Sincronizzarsi a uno scopo comune: studi di cinematica e stimolazione magnetica transcranica in compiti motori interattivi". Progetto per Avvio alla Ricerca 2012, Funded by Sapienza University of Rome. (Prot. Num. C26N12SRA7). [**Role: Member** of the Research Unit; PI: SACHELI Lucia]

INTERNATIONAL RESEARCH PROJECTS

- 1) Collaborative Project "VERE - Virtual Embodiment and Robotic Re-Embodiment" (Grant Agreement Number 257695) [**Role: Member** of the Research Unit lead by Prof. Salvatore Maria Aglioti; PI: SLATER Mel].
- 2) Collaborative Project "Tango - Emotional Interaction grounded unrealistic context" (Grant Agreement Number 249858). [**Role: Member** of the Research Unit lead by Prof. Salvatore Maria Aglioti; PI: DE GELDER Beatrice].

NATIONAL RESEARCH PROJECTS

2014

- 1) Young Researcher Grant Award to Iliara Bufalari funded by the Italian Ministry of Health (Bando Giovani Ricercatori 2012). Project title: "Combined behavioral and non invasive brain stimulation interventions for treating body image distortions in Anorexia Nervosa". [**Role: Member** of the Research Unit. Prot. GR-2011-02351798; PI: BUFALARI Iliara]

2013

- 1) Research Grant "Embodied (e)motions: brain mechanism and their socio-cultural modulation". Funded by Cogito Foundation. [**Role: Member** of the Research Unit; PI: AVENANTI Alessio]

2009

- 1) Project Seed 2009, Istituto Italiano di Tecnologia. Titolo progetto: "PARMS – Predictive Action-perception Resonance and Mental Simulation". [**Role: Member** of the Research Unit lead by Prof. Salvatore Maria Aglioti; PI: AGLIOTI Salvatore Maria].

AD HOC REVIEWER

Experimental Brain Research, PlosOne, Frontiers in Human Neuroscience, Cortex, Sensors, Frontiers in System Neuroscience.

PRESENTATIONS (only 2014-2015)

2015

- 1) **Tidoni E** “Bodily illusions and control of virtual and robotic agents after spinal cord injury - From the body to the brain: changes in body, space and action representations due to body disorders” (Symposium organized by Valentina Moro and Michele Scandola), European Society of Neuropsychology, Tampere, Finland (with peer review) September 2015

2014

- 1) Fusco G, **Tidoni E**, Barone N, Pilati C "Illusion of movement in patients with Spinal Cord Injury (SCI)" V.E.R.E PhD Symposium 2014 - Barcelona, Spain, 23-24 October 2014
- 2) Tieri G, **Tidoni E**, Pavone EF, Aglioti SM "Body visual discontinuity affects feeling of ownership and skin conductance responses" V.E.R.E PhD Symposium 2014 - Barcelona, Spain, 23-24 October 2014

POSTERS (only 2014)

2014

- 1) **Tidoni E**, Fusco G, Leonardis D, Frisoli A, Bergamasco M "Illusory movements induced by tendon vibration in right and left handed people" AIP 2014 -Pavia, Italy, 15-17 September 2014
- 2) **Tidoni E**, Abu-Alqumsan M, Leonardis D, Kapeller C, Fusco G "Interacting with my Virtual and Robotic surrogate: a study on healthy and spinal cord injured people" London Virtual Social Interaction Workshop 2014, Institute of Cognitive Neuroscience UCL London, UK, 4-5 September 2014
- 3) Tieri G, Pavone EF, Rizza G, **Tidoni E**, Grisoni L, Aglioti SM “Combination of EEG and immersive virtual reality to explore the embodiment of avatars and of their errors”. London Virtual Social Interaction Workshop 2014, Institute of Cognitive Neuroscience UCL London, UK, 4-5 September 2014

PUBLICATIONS (*indicates co-first authorship)

2015

- 1) *Tieri, G., ***Tidoni, E.**, Pavone, E.F. & Aglioti, S. M. (2015). Mere observation of body discontinuity affects perceived ownership and vicarious agency over a virtual hand. *Experimental Brain Research*. Accepted. doi: 10.1007/s00221-015-4202-3

IF 2.17 SJR 1.51

2014

- 1) **Tidoni, E.**, Fusco, G., Leonardis, D., Frisoli, A., Bergamasco, M., & Aglioti, S. M. (2014). Illusory movements induced by tendon vibration in right- and left-handed people. *Experimental Brain Research*. doi:10.1007/s00221-014-4121-8
- 2) **Tidoni, E.**, Grisoni, L., Liuzza, M. T., & Aglioti, S. M. (2014). Rubber hand illusion highlights massive visual capture and sensorimotor face-hand remapping in a tetraplegic man. *Restorative Neurology and Neuroscience*. doi:10.3233/RNN-130385
- 3) ***Tidoni, E.**, *Gergondet, P., Kheddar, A., & Aglioti, S. M. (2014). Audio-visual feedback improves the BCI performance in the navigational control of a humanoid robot. *Frontiers in Neurorobotics*, 8(June), 20. doi:10.3389/fnbot.2014.00020
- 4) Scandola, M., **Tidoni, E.**, Avesani, R., Brunelli, G., Aglioti, S. M., & Moro, V. (2014). Rubber hand illusion induced by touching the face ipsilaterally to a deprived hand: evidence for plastic “somatotopic” remapping in tetraplegics. *Frontiers in Human Neuroscience*, 8(June), 404. doi:10.3389/fnhum.2014.00404

IF 2.17 SJR 1.51

IF 4.18 SJR 1.99

IF n.a. SJR 1.09

IF 2.91 SJR 2.21

2013

- 1) Sacheli, L. M., **Tidoni, E.**, Pavone, E. F., Aglioti, S. M., & Candidi, M. (2013). Kinematics fingerprints of leader and follower role-taking during cooperative joint actions. *Experimental Brain Research*, 226(4), 473–86. doi:10.1007/s00221-013-3459-7
- 2) **Tidoni, E.**, Borgomaneri, S., di Pellegrino, G., & Avenanti, A. (2013). Action simulation plays a critical role in deceptive action recognition. *The Journal of Neuroscience : The Official Journal of the Society for Neuroscience*, 33(2), 611–23. doi:10.1523/JNEUROSCI.2228-11.2013

IF 2.17 SJR 1.51

IF 6.75 SJR 5.77

2012

- 1) Sacheli, L. M., Candidi, M., Pavone, E. F., **Tidoni, E.**, & Aglioti, S. M. (2012). And yet they act together: interpersonal perception modulates visuo-motor interference and mutual adjustments during a joint-grasping task. *PloS One*, 7(11), e50223. doi:10.1371/journal.pone.0050223

IF 3.73 SJR 1.72

2010

- 1) Urgesi, C., Maieron, M., Avenanti, A., **Tidoni, E.**, Fabbro, F., & Aglioti, S. M. (2010). Simulating the future of actions in the human corticospinal system. *Cerebral Cortex (New York, N.Y. : 1991)*, 20(11), 2511–21. doi:10.1093/cercor/bhp292

IF 6.83 SJR 5.39