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Dipartimento di Neuroscienze, Biomedicina e
Movimento

Paola Cesari, Ph.D

Jan 1995 – Aug 1999 **Pennsylvania State University**
Ph.D, Motor Control and Learning (Kinesiology)
Penn State University Park, United States of America.

2016- Conseguita abilitazione scientifica nazionale alle funzioni di professore universitario di Prima Fascia nel settore concorsuale 06/N2 Scienze dell'esercizio fisico e dello sport

Work experience

2010- presente Professore Associato. Università di Verona, Italia.
2005-2010 Ricercatore.
2004 (January-April /June-August) Visiting Professor at Penn State University U.S.A
2005 (February-March/ July-August) Visiting Professor at Penn State University U.S.A
2001-2005 Research Fellowship. Department of Neurological and Movement Science. University of Verona, Italy
2006 (December- February) Visiting Professor at Penn State University U.S.A
1999-2000 Post.Doc. CeBiSM, University of Trento, Italy.
1995-1999 Tutor lecturer for undergraduate programs, University of Penn State.
1993-1995 Visiting Scholar University of Pittsburgh. Department of Health and Physical Education
1990-1993 Under-graduate Teacher, Dept. of Physical Education, University of Verona, Italy.
1982-1990 Physical Educator Teacher, Italy.

Fellowship

- 1995 Assistantship from the Department of Kinesiology, Penn State University, U.S.A
- 1996 Teaching Assistantship from the Department of Kinesiology, Penn State University, U.S.A
- 1997 Teaching Assistantship from the Department of Kinesiology, Penn State University, U.S.A
- 1998 Scholarship from the Department of Kinesiology, Penn State University, U.S.A
- 1999 Research Fellowship CeBiSM, University of Trento. Italy
- 2000/2005 Research Fellowship. University of Verona. Italy

Area di Ricerca:

La mia area di ricerca riguarda il controllo percettivo-motorio di azioni, l'immaginazione visuomotoria, il riconoscimento di azioni, la rappresentazione motoria e la sua performance. Nel corso degli anni questo tipo di ricerca ha contribuito significativamente alla comprensione dei meccanismi cognitivi e neurofisiologici che sostengono la capacità di anticipazione e previsione delle azioni compiute da altri analizzando i comportamenti umani in interazione con i principali sensi, vista e udito. Queste ricerche possono essere considerate pionieristiche nel campo delle neuroscienze dello sport. Impiego svariati approcci sperimentali, come l'analisi della percezione e del comportamento in individui sani, affetti da patologie neurologiche così come in atleti di alto livello; utilizzo tecniche di registrazione dei potenziali evocati e la stimolazione magnetica transcranica, tecniche di registrazione di cinematica e dinamica del movimento umano. L'obiettivo generale del mio lavoro è quello di migliorare le conoscenze scientifiche dei meccanismi di apprendimento e di controllo motorio che stanno alla base delle prestazioni dell'essere umano dalle performance patologiche a quelle espresse dagli atleti elite. Ho creato all'interno della mia sezione di dipartimento un laboratorio che dirigo, denominato LAP (Laboratorio Azione Percezione) che include i seguenti strumenti : Sistema di Motion Capture, Eyes Tracker, Pedane di forza piezoelettriche, Celle di forza, zero wire EMG , accelerometri e TMS (Transcranial Magnetic Stimulation).

Areas of Research:

My current research interest is in sensory-motor control and visuo-motor imagery, action recognition and motor representation and performance. I do apply imaging, dimensional geometric analysis along with kinematic and dynamic analysis to study human behavior. The overall goal of my work is to improve the basic scientific understanding of the learning and control mechanisms underlying skilled movement and to understand the ability to recognize and predict human behavior through action observation. During my

PhD I worked on action perception capabilities and I found, with my advisor Karl Newell, a new invariant, non-dimensional scaling factor that describes the human hand in the action of prehension. Later, after my Ph.D, I found additional evidences for the existence of scaling factors for actions such as stair climbing. All these invariants appear to be relevant for both action understanding and action execution and are usually expressed as ratios that consider the combination between the body and the environment dimensions. Lately, to combine ideas and theory from the movement control area and from neuroscience, I started a new line of research studying human motor observation and imagination in "expert brains" such as elite athletes. I set up a laboratory called LAP (Laboratory Action Perception), where facilities include a motion capture system, eyes tracker, force platforms, force cells, zero wire EMG, and TMS (Transcranial Magnetic Stimulation).

Invited presentation

1997 Feedback and Motor Learning. Pittsburgh University, U.S.A
1998 Percezione ed Azione. CEBISM Università di Trento
1998 The control of prehension. Penn State University, U.S.A
1999 Prensione e modelli diagnostici" Fondazione Maugeri di Veruno.
1999 Tecniche di analisi attraverso l'utilizzo della pedana stabilometrica" Fondazione Maugeri (sede staccata di Zevio, Verona)
2000 Informazione percettivo-motoria e coordinazione oculo-manuale nel gesto della prensione umana Motor Coordination in Sport and Exercise, Bologna.
2000 Perception, Posture and movement in patients with postural disorder. International Conference for Rehabilitation. Genova.
2001 Stile di vita e salute: informazione e prevenzione fanno vivere meglio e più a lungo? Inaugurazione dell'anno sociale. Associazione Industriali Verona.2002
2001 Semmelweis University, Faculty of Physical Education and Sport Sciences, Budapest, Hungary 2002 Riconoscere ed eseguire un movimento: sapere e saper fare in giocatori professionisti di pallacanestro. Studi psicofisici e di stimolazione magnetica transcranica". La Sapienza, Università degli studi di Roma Facoltà di Psicologia.
2003 Action recognition in elite brain. University of Montpellier. France.
2005 Motor resonance system in elite basketball players:perception-action coupling underline excellence in sport. IASK International Sport Kinetics : Scientific Fundaments of Human Movement and Sport Practice Rimini.
2005 SVM and Dimensional analysis in grasping. Budapest Semmelweis University, Faculty of Physical Education and Sport Sciences, Budapest, Hungary June 19.
2006 The coupling between the action recognition and performance: psychophysics and transcranial magnetic stimulation studies. Verona: 19-20 /V / Symposium on: psycho anthropology. New trends on research
2007 Cesari, P. Motor Resonance systems in elite basketball players: a psychophysical and a TMS study. SINS National Congress of the Italian Society of Neuroscience.
2009 Cervelli di Elite per Atleti di Elite. Gennaio 2009 Centro Cerini Mestre.

2009. Infinitamente. Sportivamente Cervelli da Campioni. 1 Febbraio 2009. Museo Civico di storia naturale.
2010. EWEPE11 Eleventh European Workshop on Ecological Psychology. June 9-12, 2010. Frjus, France.
- 2011,. Queen's University Belfast. "Does movement planning follow Fitt's law for elite dancers?"
- 2011,. Società Italiana delle Scienze Motorie e Sportive (SISMS) Congresso nazionale. "Action anticipation and pre-planning in Elite Performance".
- 2011,. Università di Verona. La notte dei ricercatori. "Il volo di Leonardo".
2012. Lehrstuhl fur Bewegungswissenschaft Fakultat fur Sport- und Gesundheitswissenschaft Technische Universitat Munchen.: "Action anticipation and preplanning in elite performance".
- 2012- Lehrstuhl fu_r Bewegungswissenschaft Fakulta_t fu_r Sport- und Gesundheitswissenschaft Technische Universita_t Mu_nchen.: Lectures: Action observation and action Imagination: TMS studies.
- 2012- IULM Università di Venezia. "Action anticipation and preplanning"
2012. Università Cattolica di Milano. "Prepianificazione e anticipazione di azioni complesse"
2012. Festival della Scienza "Infinitamente", Università di Verona. "Orologi biologici eccellenti: l'esempio degli atleti e dei pianisti professionisti".
- 2013- " Anticipatory Postural Adjustments: action pre-programming from impaired to excellent behavior" for the XXI congress SIFP 2013 - Società Italiana di Psicofisiologia 24-26 October Lecce Italy.
- 2013- Do anticipatory postural adjustments follow Fitts' law in pre-planning elite dancers' actions? XXI congress SIFP 2013 - Società Italiana di Psicofisiologia 24-26 October Lecce Italy
- 2014, February- University of South California (USC) Neuroscience program: Action observation and action imagination: from pathology to the excellent sport performance. Los Angeles. U.S.A.
- 2015 Invited talk to the ECSS 2015. European College of Sport Science. " Action anticipation and action planning in elite athletes. Evidences from psychophysics and transcranial magnetic stimulation.
- 2016 Invited talk XXIV Congresso Nazionale della Società Italiana di Psicofisica. 27-29 Ottobre 2016. Università Cattolica, Milano, Italy. "I know what you will do: action anticipation in elite athletes".
- 2016 Invited Talk : Kistler Symposium "Applicazione delle pedane di forza: dall'ambito clinic a quello sportivo. Centro universitario sportive record. Università di Bologna. Titolo: Prepianificazione ed anticipazione di azioni complesse. 29 Giugno.
- 2017 Invitata a parlare al 28 Corso di aggiornamento S.I.M.F.E.R. "Ricerca e innovazione in medicina riabilitativa". Riccione 21-24 Maggio 2017. Osservazione ed immaginazione di azioni.
- 2017 Invitata a parlare al 28 Corso di aggiornamento S.I.M.F.E.R. "Ricerca e innovazione in medicina riabilitativa". Riccione 21-24 Maggio 2017. Il suono dell'azione.
- 2018 Invitata a parlare per Cervell..a..Mente Università degli studi di Milano.
2018. Brain Awareness Week. Titolo: Un cervello da campioni. La rappresentazione motoria in atleti professionisti.
- 2018 MeeTo, From moving bodies to interactive minds. When sounds convey emotions: sound localization and action pre-planning. Turin, Italy May 25-27.

Grants -

1996- Gallagher, J. , Rovelli, C., Cesari, P., & Ross, M. Human motion as a paradigm for complex systems learning: the "Method of Amplification of Error" (awarded \$6785.00).

1996- Ronald M. and Susan J. Friedman Award (1996) to Paola Cesari "The Influence of Visual and Kinesthetic Perception in Typing"

1999- Graduate Exhibition (1999) Achievement awarded to Paola Cesari "Scaling factor in Grasping"

2004- Co-PI – Verona University Studi psicofisici e di stimolazione magnetica in giocatori professionisti di pallacanestro e di calcio.

<http://www.dsnm.univr.it/?ent=progetto&id=1044>

2005- Co-PI Trial to trial non linear dynamics of human movements NSF National Science Foundation 341763 \$. U.S.A.

2005 Co-PI. Prin 2005- URL [2005058790_001](#)

2008 PI – Cooper Int. University of Verona- Moto learning and dynamical approach.

<http://www.dsnm.univr.it/?ent=progetto&id=1766>

2008- Co-PI Fondazione Cariverona (€260.000) in qualità di collaboratrice del progetto: "The role of motivation in behavioural control: A multidisciplinary approach from neurobiology to clinical applicability", responsabile scientifico Prof. Leonardo Chelazzi.

<http://www.dsnm.univr.it/?ent=progetto&id=2012>

2008-2011- Co-PI- European Grant FP7 – 222107 - NIW. Natural Interactive Walking- 1.17 milionEuro

<http://www.dsnm.univr.it/?ent=progetto&id=2052>

2011-2013. Co-PI -AdOpTeCH. Advance Optical Techniques for Cultural Heritage. Fondazione Cariverona. Italy. <http://www.dsnm.univr.it/?ent=progetto&id=2879>

2015. PI- Joint Project. University of Verona. (50.000 Euro)

<http://www.dsnm.univr.it/?ent=progetto&id=4549>

2017- 2018 PI- Verona Brain Research Foundation. Binaural hearing and planning of action movements in cochlear implanted (24.000 Euro). <http://www.veronabrainresearchfoundation.com/it/projects.html>

2019- PI – Cooper Int. University of Verona- 8000 Euro

2021 PI Cooper Int University of Verona 13000 Euro

2023 – PRIN- CUP Prot. 2022F9FWZ8

Scientific Events organization

2004- June -8th EWEP. European workshop on Ecological Psychology. Torri del Benaco Verona Italy
2006- Cerebralmente 2006/ 2007 Società letteraria, Verona.
2007-A scuola con il cervello. Seminari per le scuole superiori
2007- Simposio The Sporting Brain: Elite Brain for Elite Athletes Verona, September 27 –30, National congress of the Italian society of neuroscience
2008- Cerebralmente. Società Letteraria. Verona.

Supervisor Ph.D and Post-Doc

Nome e cognome della/o studentessa/te e incarichi ottenuti dopo l'esperienza accademica sotto la mia supervision.

Matteo Bertucco (Naz Italiana)

Postdoctoral at the University of Southern California from 2010 to 2016

In 2016 Assistant Professor University of Hartford U.S.A.

From 2017 Assistant Professor (ricercatore tipo b) Università di Verona, Italia.

Associate professor Università di Verona

Fabio Pizzolato (Naz Italiana)

Assistente capo polizia penitenziaria. Ministero di Grazia e Giustizia (2011-present)

Chen Yin-Hua. (Naz Taiwan)

Postdoctoral in the Research Center for Mind, Brain, and Learning of National Chengchi University in Taiwan from 2013 ~ 2019.

Since August 2019 assistant research fellow in the same institute.

Niek van Ulzen (Naz Olandese)

Data manager / policy advisor open science Sports, Nutrition and Health

Faculty of Sports & Nutrition, Faculty of Health

Amsterdam University of Applied Sciences

Komeleilipoor Naeem (Naz Iraniana)

Postdoctoral Researcher in Cognitive Neuroscience

University of Helsinki, Finland (2015/02-2016/05)

Postdoctoral Researcher in Cognitive Neuroscience

RAMS, University of Montreal, Canada (2016/05-2019/05)

Ivan Camponogara (Naz Italiana)

Postdoctoral Associate

New York University Abu Dhabi (NYUAD) (2016-present)

Michele Geronazzo (Naz Italiana)

Assistant Professor at the University of Udine.

Technical Faculty of IT and Design, Aalborg University, Denmark (2017-present)

Roberto Barumerli (Naz Italiana)

Mehrdad Bahadori (Naz Iraniana)

Ali Yumna (Naz Pakistan)

Veronica Montani (Naz Italiana)

Francesco Pascucci (Naz Italiana)

Anna Beneamati (Naz Italiana)

Mateja Virovec (Naz Croatia)

Ph.D Committee

Amsterdam (Holland) - Granada (Spain)

University Supervision

Sono stata invitata per una settimana, (Novembre 2013) assieme ad altri 38 colleghi di discipline scientifiche diverse, presso la "Mittuniversitetet Mid Sweden University", Sundsvall, Svezia, per un lavoro di valutazione sulla produzione e sulla organizzazione scientifica dei diversi dipartimenti/laboratori dell'Università Svedese. Ho lavorato con un gruppo di 5 ricercatori di discipline affini alle mie ed abbiamo valutato 5 diversi dipartimenti.

Media News paper talking about my work:

-Within Grasp by David Pacchioli Research/Penn State, vol. 21, no. 1 (January, 2000) -Marksman's Method May Help In Neuromuscular Disorders

<http://unisci.com/stories/20013/0703013.htm>

-Technique to Analyze Steadiness of Marksmen's Aim May Help Patients With Tremors <http://www.engr.psu.edu/news/News/2001%20Press%20Releases/June/tremors.html>

- "Vede il gioco" nascosto nel cervello il segreto dei fuoriclasse **Corriere della Sera** 5-4-2003

Il gesto perfetto Sport Week. **La gazzetta dello sport** 10-05-2003

RAI Radiotrescienza: interview August 2008

Corriere della sera. Articolo sul lavoro pubblicato su Nature Neuroscience. August 2008

Repubblica. Articolo sul lavoro pubblicato su Nature neuroscience. August 2008

Scientific collaborations

Penn State University U.S.A Department of Kinesiology

Università la Sapienza Roma, Psicologia.

Semmelweis Weis University Department of Kinesiology Budapest, Hungary.

IUAV Università di Venezia

VU University of Amsterdam

University of Southern California, Los Angeles U.S.A.

Queens University. Belfast. Ireland.

USC University Southern California

Granada University

Pubblications

Ali Y, Montani V, Cesari P. Neural underpinnings of the interplay between actual touch and action imagination in social contexts. *Front Hum Neurosci*. 2024 Jan 11;17:1274299. doi: 10.3389/fnhum.2023.1274299. PMID: 38292652; PMCID: PMC10826515.

Geronazzo, M; Barumerli, R; Cesari, P. Shaping the auditory peripersonal space with motor planning in immersive virtual reality. *Virtual Reality*. 10 October 2023. 1-21.

Demrozi, Florenc; Turetta, Cristian; Kindt, Philipp H.; Chiarani, Fabio; Bacchin, Ruggero; Vale' Nicola; Pascucci, Francesco; Cesari, Paola; Smania, Nicola; Tamburin, Stefano; Pravadelli, Graziano. A low-cost wireless body area network for human activity recognition in healthy life and medical applications. *IEEE TRANSACTIONS ON EMERGING TOPICS IN COMPUTING*. 11-(4). 1-839.

Pascucci F, Cesari P, Bertucco M, Latash ML. Postural adjustments to self- triggered perturbations under conditions of changes in body orientation. *Exp Brain Res*. 2023 Aug;241(8):2163-2177. doi: 10.1007/s00221-023-06671-0. Epub 2023 Jul 21. PMID: 37479771; PMCID: PMC10386932.

Ali Y, Montani V, Cesari P. The touch in action: exploring sensorimotor interactions with motor imagery. *Cereb Cortex*. 2023 Jun 20;33(13):8382-8390. doi: 10.1093/cercor/bhad123. PMID: 37032623.

Bahadori M, Rasti J, Craig CM, Cesari P, Emadi Andani M. General tau theory as a model to evaluate audiovisual interplay in interceptive actions. *Acta Psychol (Amst)*. 2023 May;235:103897. doi: 10.1016/j.actpsy.2023.103897. Epub 2023 Mar 30. PMID: 37003021.

Ricatti MJ, Savazzi S, Cesari P, Cecchini MP. Olfaction and gustation in blindness: a state of the art of the literature. *Neurol Sci*. 2023 Jul;44(7):2251-2263. doi: 10.1007/s10072-023-06734-8. Epub 2023 Mar 13. PMID: 36913147; PMCID: PMC10257620.

Cesari, Paola; Cristani, Matteo; Demrozi, Florenc; Pascucci, Francesco; Maria Picotti, Pietro; Pravadelli, Graziano; Tomazzoli, Claudio; Turetta, Cristian; Workneh, Tewabe Chekole; Zenti, Luca. Towards posture and gait evaluation through wearable-based biofeedback technologies. 12. (3). 1-21.

Busch IM, Savazzi S, Bertini G, Cesari P, Guaraldo O, Nosè M, Barbui C, Rimondini M. A Practical Framework for Academics to Implement Public Engagement Interventions and Measure Their Impact. *Int J Environ Res Public Health*. 2022 Oct 16;19(20):13357. doi: 10.3390/ijerph192013357. PMID: 36293939; PMCID: PMC9602633.

Nardon M, Pascucci F, Cesari P, Bertucco M, Latash ML. Synergies Stabilizing Vertical Posture in Spaces of Control Variables. *Neuroscience*. 2022 Sep 15;500:79-94. doi: 10.1016/j.neuroscience.2022.08.006. Epub 2022 Aug 8. PMID: 35952997.

Zandonai T, Bertucco M, Graziani N, Montani V, Cesari P. Transcranial direct current stimulation (tDCS) modulates motor execution in a limb reaching task. *Eur J Neurosci*. 2022 Aug;56(4):4445-4454. doi: 10.1111/ejn.15756. Epub 2022 Jul 18. PMID: 35790041.

Cesari P, Piscitelli F, Pascucci F, Bertucco M. Postural Threat Influences the Coupling Between Anticipatory and Compensatory Postural Adjustments in Response to an External Perturbation. *Neuroscience*. 2022 May 10;490:25-35. doi: 10.1016/j.neuroscience.2022.03.005. Epub 2022 Mar 8. PMID: 35276303.

Bahadori M, Cesari P. Affective sounds entering the peripersonal space influence the whole-body action preparation. *Neuropsychologia*. 2021 Aug 20;159:107917. doi: 10.1016/j.neuropsychologia.2021.107917. Epub 2021 Jun 18. PMID: 34153305.

Bahadori, Mehrdad; Barumerli, Roberto; Geronazzo, Michele; Cesari, Paola

Action planning and affective states within the auditory peripersonal space in normal hearing and cochlear-implemented listeners. *Neuropsychologia*. 2021

Bahadori, Mehrdad; Cesari, Paola Affective sounds entering the peripersonal space influence the whole-body action preparation. *Neuropsychologia*. 2021

Nardello, Francesca; Bertucco, Matteo; Cesari, Paola

Anticipatory and pre-planned actions: A comparison between young soccer players and swimmers *PLoS ONE*. 2021

Bertucco, Matteo; Nardello, Francesca; Magris, Riccardo; Cesari, Paola; Latash, Mark L. Postural adjustments during interactions with an active partner. *Neuroscience*. 2021

Chen, Yin-Hua; Belleri, Roberta; Cesari, Paola. Representational momentum in adolescent dancers *Psychological Research*. 2021

Bahadori, Mehrdad; Cesari, Paola; Craig, Cathy; Andani, Mehran Emadi

Spinal reflexive movement follows general tau theory. *BMC NEUROSCIENCE*. 2021

Villa-Sánchez, Bernardo; Emadi Andani, Mehran; Cesari, Paola; Fiorio, Mirta. The effect of motor and cognitive placebos on the serial reaction time task. *JN. EUROPEAN JOURNAL OF NEUROSCIENCE* Vol. 53, n. 8, pp. 2655-2668. 2021.

Fiorio, Mirta; Modenese, Michele; Cesari, Paola, The rubber hand illusion in hypnosis provides new insights into the sense of body ownership «*SCIENTIFIC REPORTS*», vol. 10 , n. 5706 , 2020 , pp. 1-12. **IF:4.120**

Zandonai, Thomas; Pizzolato, Fabio; Tam, Enrico; Bruseghini, Paolo; Chiamulera, Cristiano; Cesari, Paola, The effects of nicotine on cortical excitability after exercise: a double-blind randomized, placebo-controlled, crossover study «*Journal of Clinical Psychopharmacology*», vol. 40 , n. 5 , 2020 , pp. 495-498.

IF:2.700

Schaffert, Nina; Oldag, Benedict; Cesari, Paola, Sound matters: the impact of auditory deprivation on movement precision in rowing «EUROPEAN JOURNAL OF SPORT SCIENCE», vol. 20 , n. 10 , 2020 , pp. 1299-1306. **IF:2.781**

Cesari, Paola; Modenese, Michele; Benedetti, Sara; Emadi Andani, Mehran; Fiorio, Mirta, Hypnosis-induced modulation of corticospinal excitability during motor imagery «SCIENTIFIC REPORTS», vol. 10 , n. 16882 , 2020 , pp. 1-9. **IF: 4.120**

Gabrieli, A; Nardello, F; Geronazzo, M; Marchetti, P; Liberto, A; Arcozzi, D; Polati, E; Cesari, P; Zamparo, P. Cervical spine motion during vehicle extrication of healthy volunteers «PREHOSPITAL EMERGENCY CARE», vol. 24 , n. 5 , 2020 , pp. 712-720 **IF:2.42**

Gajofatto A, Donisi V, Gobbin F, Busch IM, Butturini E, Calabrese M, Carcereri De Prati A, Cesari P, Del Piccolo L, Donadelli M, Fabene P, Fochi S, Gomez-Lira M, Magliozzi R, Malerba G, Mariotti R, Mariotto SG, Milanese C, Romanelli MG, Sbarbati A, Schena F, Mazzi MA, Rimondini M.

A Bio-Psycho-Social model of Resilience in young Adults newly diagnosed with Multiple Sclerosis (BPS-ARMS study), an observational study protocol exploring psychological reactions early after diagnosis *Psychotherapy and Psychosomatics*. 2019, 9, 1-8. ISSN 2044-6055 **IF: 13.12**.

Yin-Hua Chen, Roberta Belleri, Paola Cesari, Representational momentum in adolescent dancers. 2019. pp 1:8. ISSN: 0340-0727. <https://doi.org/10.1007/s00426-019-01234-x>. **IF:2.681**

M. Geronazzo, F. Nardello, and P. Cesari, "An Educational Experience with Motor Planning and Sound Semantics in Virtual Audio Reality," in Proc. of IEEE 4th VR Workshop on Sonic Interactions for Virtual Environments (SIVE18), Reutlingen, Germany, 2018, pp. 1–5. ISBN: 978-1-5386-5713- **h5-index 23**

David Perruchoud, Mirta Fiorio, Paola Cesari, Silvio Ionta: *Beyond variability: Subjective timing and the neurophysiology of motor cognition*. Brain Stimulation 10/2017; 11(1)., DOI:10.1016/j.brs.2017.09.014

IF: 6.919

Paola Zamparo, Stefano Carrara, Paola Cesari: *Movement evaluation of front crawl swimming: Technical skill versus aesthetic quality*. PLoS ONE 09/2017; 12(9):e0184171., DOI:10.1371/journal.pone.0184171. **IF:2.776**

Luca Turchet, Ivan Camponogara, Francesca Nardello, Paola Zamparo, Paola Cesari: *Interactive footsteps sounds modulate the sense of effort without affecting the kinematics and metabolic parameters during treadmill-walking*. Applied Acoustics 08/2017; 129., DOI:10.1016/j.apacoust.2017.08.021. **IF:2.297**

- M. Geronazzo and P. Cesari, "A Motion Based Setup for Peri-Personal Space Estimation with Virtual Auditory Displays," in Proc. 22nd ACM Symposium on Virtual Reality Software and Technology (VRST 2016), Munich, Germany, 2016, pp. 299–300. **h5-index:18**
- Thomas Zandonai, Enrico Tam, Paolo Bruseghini, Fabio Pizzolato, Loretta Franceschi, Massimo Baraldo, Carlo Capelli, Paola Cesari, Cristiano Chiamulera: *The effects of oral smokeless tobacco administration on endurance performance*. Journal of Sport and Health Science 12/2017;, DOI:10.1016/j.jshs.2016.12.006. **IF:2.591**
- Ivan Camponogara, Matthew Rodger, Cathy Craig, Paola Cesari: *Expert Players Accurately Detect an Opponent's Movement Intentions Through Sound Alone*. Journal of Experimental Psychology Human Perception & Performance 11/2016; 43(2), DOI:10.1037/xhp0000316. **IF:2.939**
- Naeem Komeilipoor, Paola Cesari, Andreas Daffertshofer: *Involvement of Superior Temporal Areas in Audiovisual and Audiomotor Speech Integration*. Neuroscience 03/2016;, DOI:10.1016/j.neuroscience.2016.03.047. **IF: 3.244**
- Ivan Camponogara, Luca Turchet, Marco Carner, Daniele Marchioni, Paola Cesari: *To Hear or Not to Hear: Sound Availability Modulates Sensory-Motor Integration*. Frontiers in Neuroscience 02/2016; 10., DOI:10.3389/fnins.2016.00022. **IF:3.648**.
- Elena Zorzi, Francesca Nardello, Enrico Fracasso, Sara Franchi, Anna Clauti, Paola Cesari, Paola Zamparo: *A kinematic and metabolic analysis of the first Lu of Tai Chi in experts and beginners*. Applied Physiology Nutrition and Metabolism 09/2015; 40(10):1-4. DOI:10.1139/apnm-2015-0064. **IF:2.518**
- Ivan Camponogara, Naeem Komeilipoor, Paola Cesari: *When distance matters: Perceptual bias and behavioral response for approaching sounds in peripersonal and extrapersonal space*. Neuroscience 07/2015; 304. DOI:10.1016/j.neuroscience.2015.07.054 **IF: 3.244**
- Yin-Hua Chen, Isabella Verdinelli, Paola Cesari: *Elite Athletes Refine Their Internal Clocks: A Bayesian Analysis*. Motor control 06/2015; DOI:10.1123/mc.2014-0070. **IF:1.302**
- Paola Zamparo, Elena Zorzi, Sara Marcantoni, Paola Cesari: *Is Beauty in the Eyes of the Beholder? Aesthetic Quality versus Technical Skill in Movement Evaluation of Tai Chi*. PLoS ONE 06/2015; 10(6). DOI:10.1371/journal.pone.0128357. **IF:2.776**.
- Naeem Komeilipoor, Matthew W. M. Rodger, Paola Cesari, Cathy M. Craig: *Movement and Perceptual Strategies to Intercept Virtual Sound Sources..* Frontiers in Neuroscience 04/2015; 9:149. DOI:10.3389/fnins.2015.00149. **IF:3.648**.
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