

Curriculum Vitae

Personal Information

Family name, First name: Berchicci, Marika

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Parametric indices

Publish or perish (Scopus source) -- updated: January 2020

Papers: 61

h index: 21

g-index: 32

Citations: 1088

ACADEMIC POSITIONS

2020-present: Associate Professor (ERC: 11/E1; SSD: M-PSI/02) of Psychobiology and Physiological Psychology at the Department of Psychological, Humanistic and Territorial Sciences, University "G. d'Annunzio" Chieti-Pescara, Italy.

2019 – 2020: Associate Professor (ERC: 11/E1; SSD: M-PSI/02) of Psychobiology and Physiological Psychology at the Department of Human Movement, Social and Health Sciences, University of Rome "Foro Italico", Italy.

2016 – 2019: Senior Researcher (RTD/b; ERC: 11/E1; SSD: M-PSI/02) at the Department of Human Movement, Social and Health Sciences, University of Rome "Foro Italico", Italy.

2010 – 2016: Post-Doc researcher at the Department of Human Movement, Social and Health Sciences, University of Rome "Foro Italico", Italy. Supervisor: Prof. Francesco Di Russo.

2005 – 2009: PhD fellowship in Human Movement Science at the Department of Oncology and Neuroscience, University "G. d'Annunzio" Chieti-Pescara, Italy. Supervisors: Prof Silvia Comani and Prof Maurizio Bertollo.

EDUCATION

2010 – 2016: Postdoctoral fellow at the Department of Human Movement, Social and Health Sciences, University of Rome "Foro Italico", Italy.

2012 – 25.07.2016: BSc in Psychology, University "G. d'Annunzio" Chieti-Pescara.

2005 – 08.02.2010: PhD in Human Movement Science at the Department of Oncology and Neuroscience, University "G. d'Annunzio" Chieti-Pescara. Dissertation: "Motor Learning and Development: From Behavioral Analysis to Neural Signature" (score: Excellent).

2003 – 25.10.2005: MSc in Preventive and Adapted Physical Activity: Science and Methods at the University "G. d'Annunzio" Chieti-Pescara (score: Magna cum laude).

2000 – 20.10.2003: BSc in Human Movement Science at the University “G. d’Annunzio” Chieti-Pescara.

NATIONAL RESEARCH ACTIVITY

2010 – 2016: Post-Doc fellowship in the Cognitive and Action Neuroscience Lab at the Department of Human Movement, Social and Health Sciences, University of Rome “Foro Italico”, Italy, on the following topics:

1. *Integration between electrophysiological and neuroimaging measures for a spatio-temporal mapping of the brain areas involved in actions*
2. *The effects of sport activity on brain functions and performance across life span in healthy and special population*
3. *Neural basis of the body awareness in healthy subjects and patients*

INTERNATIONAL RESEARCH ACTIVITY

09.2011: Harvard Medical School, Boston, MA-USA
Invited Researcher by Prof Yoshio Okada, Department of Neurology.

04.2008 – 08.2009: Biomedical Research and Integrative NeuroImaging (BRaIN Imaging) Center, MIND Institute, University of New Mexico, Albuquerque (New Mexico – USA)
Visiting Scientist, supervisors: Prof Yoshio Okada and Prof Julia Stephen.

04.2007 – 10.2007: San Francisco State University, Department of Kinesiology, San Francisco CA-USA e Infant Studies Laboratory, Psychology Department, Berkley University, San Francisco (California - USA)
Visiting Scientist, supervisor: Prof David I. Anderson.

04.2006: Center for Complex Systems and Brain Sciences, Florida Atlantic University - Boca Raton (Florida – USA). Visiting Scientist.

INTERNATIONAL AND NATIONAL FINANCED PROJECT

1. Principal Investigator in the project financed by the University of Rome “Foro Italico” with code CDR2.BANDO2020BM. Title: *The brain control underpinning cognitive-motor processing during incremental task to exhaustion*. 5000€
2. Investigator in the project financed by University of Rome “Foro Italico” with code CDR2.RIC182015DRF. Title: *Getting ready to walk: cognitive brain activity preceding transitive lower limbs actions*. Principal Investigator: Prof Francesco Di Russo. 30000€
3. Investigator in the project approved by the HRRC (Human Research Review Committee) with code 08-236 at the Mind Research Network, Albuquerque, University of New Mexico, NM-USA. Funding organization: UNM HSC CTSA – Novel Methods Pilot Project. Principal Investigators: Prof Robert Annett and Julia Stephen. Title: *“Characterization of the Mirror Neuron System in 3-9 month old infants using the babySQUID MEG system”*. 20000\$

AWARDS FOR RESEARCH AND TEACHING ACTIVITIES

- **Habilitation: Abilitazione Scientifica Nazionale (ASN):** ERC: 11/E1- General Psychology, Psychobiology and Psychometric. Associate Professor.
- **Fondo per il Finanziamento delle Attività Base di Ricerca (FFABR):** provided by the Italian Ministry of Education, University and Research (MIUR). 3000 €.

- **Erasmus +, Staff mobility teaching** at the Universidad de Granada (Spain), September 2019.
- **Two 3-month fellowship** for research and high education activities reserved to PhD students at the University of Chieti-Pescara “G. d’Annunzio”. Academic Year: 2008/2009. (Interventi previsti nell’ambito del Progetto regionale formazione tecnico scientifica – POR Abruzzo2000-2006 C3/IC4E). Visiting Institute: Biomedical Research and Integrative NeuroImaging (BRaIN Imaging) Center, MIND Institute, University of New Mexico, Albuquerque (New Mexico – USA). Financing: 2500€ for each trimester; total: 5000€.
- **Two 3-month fellowship** for research and high education activities reserved to PhD students at the University of Chieti-Pescara “G. d’Annunzio”. Academic Year: 2006/2007. (Interventi previsti nell’ambito del Progetto regionale formazione tecnico scientifica – POR Abruzzo2000-2006 C3/IC4E). Visiting Institute: San Francisco State University, San Francisco CA-USA e Infant Studies Laboratory, Psychology Department, Berkley University, San Francisco (California – USA). Financing: 2500€ for each trimester; total: 5000€.

ORGANISATION OF SCIENTIFIC MEETINGS

Member of the organizing committee: 1st International Workshop “Perinatal Biomagnetism 2009: How can it help sick fetus/infant?” Chieti - Italia (<http://pb2009.udanet.it>).

REVIEWING AND EDITORIAL EXPERIENCES

Ad-hoc reviewer: Frontiers in Human Neuroscience; Frontiers in Psychology; PloS One; Perceptual and Motor Skills; Brain Cognition; Neurobiology of Aging; Aging, Neuropsychology and Cognition; Journal of Psychophysiology; Developmental Psychobiology; NeuroImage; Neuropsychologia; PeerJ; Child Development; Biological Psychology; many others.

Review Editor in the Editorial Board of *Frontiers in Psychology (Cognition, Movement Science and Sport Psychology)* [IF: 2.23]

Associated Guest Editor for a Research Topic in Frontiers in Human Neuroscience “Bridging the gap before and after birth: methods and technologies to explore the functional neural development in humans”. DOI 10.3389/978-2-88919-687-6. [IF: 3.20]

MEMBERSHIP

Affiliate member: Italian Society of Psychophysiology (SIPF), International Multisensory Research Forum (IMRF), BIND (Behavioral Imaging and Neural Dynamics Center at the University of G. d’Annunzio, Chieti, Italy).

INVITED TALKS

- *Neuromuscular control in Karate: the central nervous system.* FIJLKAM karate Lombardia, Milan (13 October 2018).
- *ERPs during steps.* Italian Society of Clinical Neurophysiology (SINC) and Italian Society of Movement Analysis in Clinical Practice (SIAMOC), University of Bari (29 June 2018).
- *Workshop BrainVision Analyzer.* Foro Italoico, Roma (May 2017)
- *Sport and cognitive neuroscience.* Scuola dello Sport, National Olympic Committee, Roma (March 2017).
- *Brain imaging to assess the effects of age and exercise on cognitive functions.* 2nd Symposium on Active Aging, 11 November 2016, Casino Baumgarten, Wien (Austria).

- *Neurocognitive changes with aging: physical activity and exercise as countermeasure.* University of Southern Denmark, Odense (March, 2014).
- *The benefits of physical exercise on the aging brain: The role of the prefrontal cortex.* University of Southern Denmark, Odense (March, 2014).
- *Physical activity in early childhood: the contribution of neuroscience.* Italian National Olympic Committee, Modena, Foggia, and Ancona, Italy (April, 2014 and March, 2015).
- *Age-related over-recruitment of the prefrontal cortex.* IRCCS Santa Lucia Foundation, Rome (December, 2012).
- *Numerous Italian seminars*

SUPERVISION OF GRADUATE AND DOCTORAL STUDENTS

2011 – 2016: 2 PhD students, 10 graduate students and 5 master students (2 winners of University award for their thesis). Department of Human Movement, Social and Health Sciences, University of Rome “Foro Italico”, Rome, Italy.

TEACHING ACTIVITIES

International

2007 (April - October): “Learning and Neuromotor control” at the Department of Kinesiology, San Francisco State University, San Francisco CA-USA.

PhD thesis committee

2020: Department of Experimental Psychology, “University of Seville”, Spain.

National

2020 –2021: Cognitive Neurosciences, Decision making and Neuromarketing at the 2nd cycle degree in Economics and Behavioural Sciences, University “G. d’Annunzio” Chieti-Pescara, Italy.

2020 –2021: Psychobiology 1 at the 1st cycle degree in Psychological Sciences, University “G. d’Annunzio” Chieti-Pescara, Italy.

2020 –2021: Neuropsychology at the 2nd cycle degree in Clinical Psychology, University “G. d’Annunzio” Chieti-Pescara, Italy.

2020 –2021: General Psychology at the 1st cycle degree in Biomedical Laboratory Techniques, University “G. d’Annunzio” Chieti-Pescara, Italy.

2017 – 2020: Sport Psychology at the 1st cycle degree in Human Movement Science, University of Rome “Foro Italico”, Rome, Italy.

2017 – 2020: Developmental Psychology at the 1st cycle degree in Human Movement Science, University of Rome “Foro Italico”, Rome, Italy.

2013 – 2016: Teaching assistant – Sport psychology. Department of Human Movement, Social and Health Sciences, University of Rome “Foro Italico”, Rome, Italy.

2012 – 2015: Integrative teaching – Biomechanics. University “G. d’Annunzio” Chieti-Pescara.

SCIENTIFIC PUBLICATIONS

Peer reviewed journal: Published

1. Di Russo F, **Berchicci M**, Bianco V, Perri RL, Pitzalis S, Mussini E. (2021). Modulation of anticipatory visuospatial attention in sustained and transient tasks. *Cortex*, 135: 1-9. DOI: 10.1016/j.cortex.2020.11.007 [IF: 4].

2. Di Russo F, **Berchicci M**, Bianco V, Mussini E, Perri RL, Pitzalis S, Quinzi F, Tranquilli S, Spinelli D. (2020). Sustained visuospatial attention enhances lateralized anticipatory ERP activity in sensory areas. *Brain Structure and Function*. (In Press). [IF: 3.6].
3. Mussini E, **Berchicci M**, Bianco V, Perri RL, Quinzi F, Di Russo F. (2021). Effect of task complexity on motor and cognitive preparatory brain activities. *International Journal of Psychophysiology*, 159: 11-16. DOI: 10.1016/j.ijpsycho.2020.11.008 [IF: 2.8].
4. Mussini E, **Berchicci M**, Bianco V, Perri RL, Quinzi F, Di Russo F. (2020). The role of task complexity on frontal event-related potentials and evidence in favor of the epiphenomenal interpretation of the go/no-go N2 effect. *Neuroscience*, 449: 1-8. [IF: 3]. <https://doi.org/10.1016/j.neuroscience.2020.09.042>.
5. Bianco V, **Berchicci M**, Perri RL, Quinzi F, Mussini E, Spinelli D, Di Russo F. (2020). Preparatory ERPs in visual, auditory and somatosensory motor tasks. *Psychophysiology*. e13687. Doi: 10.1111/psyp.13687. [IF: 3.1] scopus: 2-s2.0-85091347860.
6. **Berchicci M**, Bianco V, Di Russo F. (2020). Electrophysiological signs of stronger auditory processing in females than males during passive listening. *Cognitive Neuroscience*. 8: 1-6. <https://doi.org/10.1080/17588928.2020.1806224> [IF: 3.4] scopus: 2-s2.0-85090443891
7. Perri RL, Facco E, Quinzi F, Bianco V, **Berchicci M**, Rossani F, Di Russo F. (2020). Cerebral mechanisms of hypnotic hypoesthesia. An ERP investigation on the expectancy stage of perception. *Psychophysiology*. 57(11): e13657. DOI: 10.1111/psyp.13657 [IF: 3.1]. scopus: 2-s2.0-85088995411
8. Quinzi F, **Berchicci M**, Bianco V, Di Filippo G, Perri RL, Di Russo F. (2020). The role of cognitive reserve on prefrontal and premotor cortical activity in visuo-motor response tasks in healthy old adults. *Neurobiology of Aging*. 94: 185-195. <https://doi.org/10.1016/j.neurobiolaging.2020.06.002>. [IF: 4.3] scopus: 2-s2.0-85087419355
9. **Berchicci M**, Russo Y, Bianco V, Quinzi F, Rum L, Macaluso A, Committeri G, Vannozzi G, Di Russo F. (2020). Stepping forward, stepping backward: a movement-related cortical potential study unveils distinctive brain activities. *Behavioral Brain Research*. 388: 112663. DOI: 10.1016/j.bbr.2020.112663 [IF: 2.7] scopus: 2-s2.0-85084550820
10. **Berchicci M**, Sulpizio V, Mento G, Lucci G, Civale N, Galati G, Pitzalis S, Spinelli D, Di Russo F (2020). Prompting future events: Effects of temporal cueing and time on task on brain preparation to action. *Brain & Cognition*. 141: 105565. <https://doi.org/10.1016/j.bandc.2020.105565> [IF: 2.6] scopus: 2-s2.0-85083019570
11. Chacko SC, Quinzi F, De Fano A, Bianco V, Mussini E, **Berchicci M**, Perri RL, Di Russo F. (2020). A single bout of vigorous-intensity aerobic exercise affects reactive, but not proactive cognitive functions. *International Journal of Psychophysiology*. 147: 233-243. <https://doi.org/10.1016/j.ijpsycho.2019.12.003>. [IF: 2.8]
12. Bianco V, Perri RL, **Berchicci M**, Quinzi F, Spinelli D, Di Russo F. (2020). Modality-specific sensory readiness for upcoming events revealed by slow cortical potentials. *Brain Structure and Function*. 225(1): 149-159. <https://doi.org/10.1007/s00429-019-01993-8>. [IF: 3.6]
13. Bianco V, **Berchicci M**, Quinzi F, Perri RL, Spinelli D, Di Russo F. (2020). Females are more proactive, males are more reactive: neural basis of the gender-related speed/accuracy trade-off in visuo-motor tasks. *Brain Structure and Function*. 225(1): 187-201. <https://doi.org/10.1007/s00429-019-01998-3>. [IF: 3.6]

14. de Tommaso M, Betti V, Bocci T, Bolognini N, Di Russo F, Fattapposta F, Ferri R, Invitto S, Koch G, Miniussi C, Piccione F, Ragazzoni A, Sartucci F, Rossi S, Arcara G, **Berchicci M**, Bianco V, Delussi V, Gentile E, Giovannelli F, Mannarelli D, Marino M, Mussini E, Pauletti C, Pellicciari MC, Pisoni A, Raggi A, Valeriani M. (2020). Pearls and pitfalls in brain functional analysis by event-related potentials: a narrative review by the Italian Psychophysiology and Cognitive Neuroscience Society on methodological limits and clinical reliability—part I. *Neurological Sciences*. 41(10): 2711-2735. Doi:10.1007/s10072-020-04420-7. [IF: 1.4] scopus: 2-s2.0-85084446832.
15. Lucci G, Pisotta I, **Berchicci M**, Di Russo F, Bonavita J, Scivoletto G, Spinelli D, Molinari M. (2019). Proactive cortical control in spinal cord injury subjects with paraplegia. *Journal of Neurotrauma*. 36(24): 3347-3355. DOI:10.1089/neu.2018.6307. [IF: 5.0]
16. Di Russo F, **Berchicci M**, Bianco V, Perri RL, Pitzalis S, Quinzi F, Spinelli D. (2019). Normative Event-Related Potentials from sensory and cognitive tasks reveal occipital and frontal activities prior and following visual events. *NeuroImage* 196: 173-187. DOI:10.1016/j.neuroimage.2019.04.033. [IF: 5.8]
17. Quinzi F, **Berchicci M**, Perri RL, Bianco V, Labanca L, Macaluso A, Di Russo F. (2019). Contribution of cognitive functions to postural control in anticipating self-paced and externally-triggered lower-limb perturbations. *Behavioral Brain Research* 366, 56-66. <https://doi.org/10.1016/j.bbr.2019.03.033>. [IF: 2.7]
18. Perri RL, **Berchicci M**, Bianco V, Quinzi F, Spinelli D, Di Russo F. (2019). Perceptual load in decision making: The role of anterior insula and visual areas. An ERP study. *Neuropsychologia* 129, 65-71. doi: 10.1016/j.neuropsychologia.2019.03.009. [IF: 2.8]
19. **Berchicci M**, Ten Brink AF, Quinzi F, Perri RL, Spinelli D, Di Russo F. (2019). Electrophysiological evidence of sustained spatial attention effects over anterior cortex: Possible contribution of the anterior insula. *Psychophysiology* e13369. <https://doi.org/10.1111/psyp.13369> [IF: 3.1]
20. Russo Y, **Berchicci M**, Di Russo F, Vannozzi G. (2019). How do different movement references influence ERP related to gait initiation? A comparative methods' assessment. *Journal of Neuroscience Methods* 311, 95-101. DOI: 10.1016/j.jneumeth.2018.10.00. [IF: 2.6]
21. Quinzi F, **Berchicci M**, Bianco V, Perri RL, Di Russo F. (2019). The independency of the Bereitschaftspotential from previous stimulus-locked P3 in visuomotor response tasks. *Psychophysiology* 56(3), e13296. doi: 10.1111/psyp.13296. [IF: 3.1]
22. Quinzi F, Perri RL, **Berchicci M**, Bianco V, Pitzalis S, Zeri F, Di Russo F. (2018). Weak proactive cognitive/motor control accounts for poor children's behavioral performance in speeded discrimination tasks. *Biological Psychology* 138, 211-222. DOI: 10.1016/j.biopsycho.2018.08.014. [IF: 3.3]
23. Perri RL, **Berchicci M**, Bianco V, Quinzi F, Spinelli D, Di Russo F. (2018). Awareness of perception and sensory-motor integration: ERPs from the anterior insula. *Brain Structure and Function* 223(8), 3577-3592. <https://doi.org/10.1007/s00429-018-1709-y>. [IF: 5.8]
24. Perri RL, **Berchicci M**, Bianco V, Quinzi F, Spinelli D, Di Russo F. (2018). Brain waves from an "isolated" cortex: Contribution of the anterior insula to cognitive functions. *Brain Structure and Function* 223, 1343-1355. <https://doi.org/10.1007/s00429-017-1560-6>. [IF: 5.8]
25. Zeri F, **Berchicci M**, Naroo SA, Pitzalis S, Di Russo F. (2018). Short-term visual cortical plasticity in visual and non-visual areas induced by monovision. *Journal of Physiology* 596(2), 253-266. <https://doi.org/10.1113/JP274896>. [IF: 4.71]
26. Bianco V, **Berchicci M**, Perri RL, Quinzi F, Di Russo F. (2017). Exercise-related cognitive effects on sensory-motor control in athletes and drummers compared to non-

- athletes and other musicians. *Neuroscience* 360, 39-47. doi: 10.1016/j.neuroscience.2017.07.059. [IF: 3.2]
27. Bianco V, **Berchicci M**, Perri RL, Spinelli D, Di Russo F. (2017). The Proactive Self-Control of Actions: Time-Course of Underlying Brain Activities. *NeuroImage* 156, 388–393. <https://doi.org/10.1016/j.neuroimage.2017.05.043> [IF: 6.71]
 28. Di Russo F, **Berchicci M**, Bozzacchi C, Perri RL, Pitzalis S, Spinelli D. (2017). Beyond the “Bereitschaftspotential”: Action preparation behind cognitive functions. *Neuroscience & Biobehavioral Reviews* 78, 57-81. Doi: 10.1016/j.neubiorev.2017.04.019 [IF: 8.58]
 29. **Berchicci M**, Quinzi F, Dainese A, Di Russo F. (2017). Time-source of neural plasticity in complex bimanual coordinative tasks: Juggling. *Behavioral Brain Research* 328, 87-94. <https://doi.org/10.1016/j.bbr.2017.04.011>. [IF: 3.19]
 30. Sulpizio V, Lucci G, **Berchicci M**, Galati G, Pitzalis S, Di Russo F. (2017). Hemispheric asymmetries in the transition from action preparation to execution. *NeuroImage* 148, 390-402. doi: 10.1016/j.neuroimage.2017.01.009. [IF: 6.35]
 31. Bianco V, Perri RL, Di Russo F, **Berchicci M**. (2016). Different proactive action control in fencers' and boxers' brains. *Neuroscience* 343, 260-268. DOI: 10.1016/j.neuroscience.2016.12.006 [IF: 3.2]
 32. Perri RL, **Berchicci M**, Lucci G, Spinelli D, Di Russo F. (2016). Fixing errors: How the brain prevents a second error in a decision-making task. *Scientific Reports* 6, 32058. DOI: 10.1038/srep32058 [IF: 5.57]
 33. **Berchicci M**, Spinelli D, Di Russo F. (2016). New insights about old waves. Stimulus- and response-locked ERPs on the same time-window. *Biological Psychology* 117, 202-215. doi: 10.1016/j.biopsycho.2016.04.007. [IF: 3.403]
 34. Lucci G, **Berchicci M**, Perri RL, Spinelli D, Di Russo F. (2016). Effect of target probability on pre-stimulus brain activity. *Neuroscience* 322, 121-128. doi:10.1016/j.neuroscience.2016.02.029. [IF: 3.357]
 35. Di Russo F, Lucci G, Sulpizio V, **Berchicci M**, Spinelli D, Pitzalis S, Galati G. (2016). Spatiotemporal brain mapping of the preparation, perception and action phases. *NeuroImage* 136, 1-14. DOI: 10.1016/j.neuroimage.2015.11.036. [IF: 6.357]
 36. **Berchicci M**, Comani S. (2015). Editorial: Bridging the gap before and after birth: methods and technologies to explore the functional neural development in humans. *Frontiers in Human Neuroscience* 9, 571. doi: 10.3389/fnhum.2015.00571. [IF: 3.63]
 37. Lunghi C & **Berchicci M**, Morrone MC, Di Russo F. (2015). Short-term monocular deprivation alters early components of Visual Evoked Potentials. *The Journal of Physiology* 593(19), 4361–4372. doi: 10.1113/JP270950. [IF: 5.037]
 38. **Berchicci M**, Pontifex M, Drollette E, Pesce C, Hillman CH, Di Russo F. (2015). From cognitive motor preparation to visual processing: the benefits of childhood fitness to brain health. *Neuroscience* 298, 211–219. [IF: 3.527]
 39. **Berchicci M**, Lucci G, Spinelli D, Di Russo F. (2015). Stimulus onset predictability modulates proactive action control in a Go/No-go task. *Frontiers in Behavioral Neuroscience* 9, 101. doi: 10.3389/fnbeh.2015.00101. [IF: 4.16]
 40. Perri RL, **Berchicci M**, Lucci G, Spinelli D, Di Russo F. (2015). Why do we make mistakes? Neurocognitive processes during the preparation-perception-action cycle and error-detection. *NeuroImage* DOI: 10.1016/j.neuroimage.2015.03.040. [IF: 6.357]
 41. **Berchicci M**, Tamburro G, Comani S. (2015). The intrahemispheric functional properties of the developing sensorimotor cortex are influenced by maturation. *Frontiers in Human Neuroscience* 9, 39. doi: 10.3389/fnhum.2015.00039. [IF: 3.63]
 42. Perri RL, **Berchicci M**, Lucci G, Spinelli D, Di Russo F. (2015). The premotor role of the prefrontal cortex in response consistency. *Neuropsychology* 29(5), 767-775. <http://dx.doi.org/10.1037/neu0000168>. [IF: 3.579]
 43. Perri RL, **Berchicci M**, Spinelli D, Di Russo F. (2014). Individual differences in

- response speed and accuracy are associated to specific brain activities of two interacting systems. *Frontiers in Behavioral Neuroscience* 8, 251. doi: 10.3389/fnbeh.2014.00251. [IF: 4.16]
44. Budini F, McManus LM, **Berchicci M**, Menotti F, Macaluso A, Di Russo F, Lowey MM, De Vito G. (2014). Alpha band cortico-muscular coherence occurs in healthy individuals during mechanically-induced tremor. *PloS one* 9 (12), e115012. doi: 10.1371/journal.pone.0115012. [IF: 3.534]
 45. Menotti F, **Berchicci M**, Di Russo F, Damiani A, Vitulli S, Macaluso A. (2014). The role of the prefrontal cortex in the development of muscle fatigue in Charcot–Marie–Tooth 1A patients. *Neuromuscular Disorders* 24 (6), 516-523. <https://doi.org/10.1016/j.nmd.2014.03.010>. [IF: 3.464]
 46. Perri RL, **Berchicci M**, Lucci G, Cimmino R, Bello A, Di Russo F. (2014). Getting ready for an emotion: specific premotor brain activities for self-administered emotional pictures. *Frontiers in Behavioral Neuroscience* 8, 197. doi: 10.3389/fnbeh.2014.00197. [IF: 4.16]
 47. **Berchicci M**, Lucci G, Perri RL, Spinelli D, Di Russo F. (2014). Benefits of physical exercise on basic visuo-motor functions across age. *Frontiers in Aging Neuroscience* 6, 48. doi: 10.3389/fnagi.2014.00048. [IF: 5.224]
 48. Lucci G, **Berchicci M**, Spinelli D, Di Russo F (2014). The motor preparation of directionally incompatible movements. *NeuroImage* 91, 33-42. doi: 10.1016/j.neuroimage.2014.01.013. [IF: 6.357]
 49. Di Russo F, **Berchicci M**, Perri RL, Ripani FR, Ripani M (2013). A passive exoskeleton can push your life up: Application on multiple sclerosis patients. *PloS one* 8, e77348. doi: 10.1371/journal.pone.0077348. [IF: 3.730]
 50. **Berchicci M**, Lucci G, Di Russo F (2013). Benefits of physical exercise on the aging brain: The role of the prefrontal cortex. *J Gerontol A Biol Sci Med Sci* 68(11), 1337–1341. doi:10.1093/gerona/glt094. [IF: 5.416]
 51. **Berchicci M**, Menotti F, Macaluso A, Di Russo F (2013). The neurophysiology of central and peripheral fatigue during sub-maximal lower limb isometric contractions. *Frontiers in Human Neuroscience* 7, 135. doi: 10.3389/fnhum.2013.00135. [IF: 2.90]
 52. Lucci G, **Berchicci M**, Spinelli D, Taddei F, Di Russo F (2013). The effect of aging on conflict detection. *PloS one* 8(2), e56566. doi:10.1371/journal.pone.0056566. [IF: 3.730]
 53. **Berchicci M**, Lucci G, Pesce C, Spinelli D, Di Russo F (2012). Prefrontal hyperactivity in older people during motor planning. *NeuroImage* 62, 1750-1760. DOI: 10.1016/j.neuroimage.2012.06.031. [IF: 6.163]
 54. **Berchicci M**, Stella A, Pitzalis S, Spinelli D, Di Russo F (2012). Spatio-temporal mapping of motor preparation for self-paced saccades. *Biological Psychology* 90, 10-17. <https://doi.org/10.1016/j.biopsycho.2012.02.014>. [IF: 4.368]
 55. **Berchicci M**, Zhang T, Romero L, Peters A, Annett R, Teuscher U, Bertollo M, Okada Y, Stephen J, Comani S (2011). Development of mu rhythm in infants and preschool children. *Developmental Neuroscience* 33(2), 130-143. doi: 10.1159/000329095. [IF: 2.89]
 56. Bertollo M, **Berchicci M**, Carraro A, Comani S, Robazza C (2010). Blocked and random practice organization in the learning of rhythmic dance step sequences. *Perceptual and Motor Skills* 110, 77-84. DOI: 10.2466/PMS.110.1.77-84. [IF: 0.54]
 57. Bortoli L, Colella D, Morano M, **Berchicci M**, Bertollo M, Robazza C (2008). Teacher-initiated motivational climate in physical education questionnaire in an Italian sample. *Perceptual and Motor Skills* 106, 207-214. DOI: 10.2466/PMS.106.1.207-214. [IF: 0.54]
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