

PERSONAL INFORMATION



Sonia Mele

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Sex F | Date of birth 27/02/1977 | Nationality Italian

POSITION: Technical-administrative staff, Department of Neuroscience, Biomedicine & Movement Sciences, University of Verona, ITALY and member of PandA Lab <http://panda.dsnm.univr.it>

WORK EXPERIENCE

December 2013-July 2018

Postdoctoral Researcher

“Effects of rehabilitative motor activity and of sensorimotor cognitive tasks on corticospinal excitability and on Anticipatory Postural Adjustments”. University of Ferrara, Department of Specialist Biomedical and Surgical Sciences, Supervisor prof. Laila Craighero.

Agoust 2012- November 2013

Postdoctoral Researcher

Neurofunctional Alterations of Body representation in Anorexia Nervosa: Neuropsychological Measures and Neurophysiologic Treatments”. University of Udine, Department of Human Sciences. Supervisor: Dr. C. Urgesi.

June 2011- July 2012

Postdoctoral Researcher

“Connectivity of neural networks responsible for executive control and semantic organization in pathologies of cognitive control”. University of Udine, Department of Human Sciences. Supervisor: Dr. C. Urgesi

July 2010- December 2010

Scholarship holder

“Neural and cognitive bases of selective attention”. University of Verona, Department of Neurological, Neuropsychological, Morphological and Movement Sciences. Supervisor: Prof. C.A. Marzi.

January 2007- April 2010

Scholarship holder

“Neuropsychological investigations on visual attention in human subjects”. University of Verona, Department of Neurological & Vision Sciences, Physiology Section; supervisor: Prof G. Berlucchi and Prof. C.A. Marzi.

May 2006- December 2006

Scholarship holder

“Neuropsychological investigations of attention disorders in patients with brain injuries”. University of Verona, Department of Neurological & Vision Sciences, Physiology Section; supervisor: Prof. G. Berlucchi

January 2004-December 2005

Psychologist

Participation at the project: “Long-term observation of a cohort of children vaccinated with acellular pertussis vaccine during childhood”. National Institute of National Health, Italy

March 2003- February 2004

Trainee

post-degree, University of Verona, Department of Neurological & Vision Sciences, Physiology Section; supervisor: prof. C. A. Marzi

January 1999- December 2003

Student

Learning of recording with EEG, ERPs, EMG, ECG, SCR. Department of General Psychology – Physiological laboratory University of Padua, supervisor: Prof. D. Palomba

EDUCATION AND TRAINING

2018 Advanced/Professional Development course in Promoting reading and literature at primary and middle school: creating motivated, critical readers (entry level) SEQ:8

March 2005 Registration at "Albo Professionale degli Psicologi della Regione Veneto"

2004-2006 **Ph.D. in Neuroscience**
University of Verona, supervisor prof. Giovanni Berlucchi

June 2002 **Degree in Psychology (5 years)**
University of Padua, Thesis: "Introversion/extraversion and allocation of attentional resources: an event-related potential study", (supervisor: Professor Daniela Palomba)

June 1995 **Scientific high school diploma**

Acquired Skills

- Windows O.S. (all platforms): Internet and mail; Suite Office: Word, Excel, PowerPoint, with Macro in Visual Basic;
- Stat, SPSS; JASP
- E-Prime;
- NeuroScan: Acquire, Edit; Brain Vision;
- Neuronavigation; TMS;
- EROS (Event-related optical signal)
- Photoshop, CorelDraw. Premiere, AfterEffects.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	C1	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](http://ec.europa.eu/dgs/translation/cefr_en.htm)

Communication skills ▪ good communication skills acquired during theatre courses and specific courses on how to speak in public

Organisational / managerial skills leadership (supervisor of PhD students, students)

Job-related skills ▪ good management skills and preparation of digital documents for master courses.
▪ Good website programming skills

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user

[Digital competences - Self-assessment grid](#)

- good command of office suite (word processor, spread sheet, presentation software)
- good command of photo editing software gained as an amateur photographer
- good command of video editing software to make video stimuli to be included in the experiments.
- good knowledge of statistical analysis and data processing acquired during the doctoral years.

Other skills

- dance-theater
- creative writing

Driving licence

B

ADDITIONAL INFORMATION

Publications

- Pancotti, F., **Mele, S.**, Callegari, V., ...Saracino, F., Craighero, L. (2021) Efficacy of facial exercises in facial expression categorization in schizophrenia. *Brain Sciences*, 2021, 11(7), 825. doi: 10.3390/brainsci11070825
- Craighero L, **Mele S.** (2021). Proactive gaze is present during biological and non-biological motion observation. *Cognition*, 2021, 206, 104461. doi: 10.1016/j.cognition.2020.104461
- Metitieri T. & **Mele S.** (2020). Women in Neuroscience: A Short Time Travel. Editor(s): Sergio Della Sala, *Encyclopedia of Behavioral Neuroscience*, 2nd edition (Second Edition), Elsevier, 2022, online July 2020. doi: 10.1016/B978-0-12-819641-0.00007-4
- Straudi S, Baroni A, **Mele S.**, Craighero L, Manfredini F, Lamberti N, Maietti E, Basaglia N. (2020) Effects of a Robot-Assisted Arm Training Plus Hand Functional Electrical Stimulation on Recovery After Stroke: A Randomized Clinical Trial. *Arch Phys Med Rehabil*. Feb;101(2):309-316. doi: 10.1016/j.apmr.2019.09.016.
- Straudi S, Bonsangue V, **Mele S.**, Craighero L, Montis A, Fregnani F, Lavezzini S, Basaglia N. (2019) Bilateral M1 anodal transcranial direct current stimulation in post traumatic chronic minimally conscious state: a pilot EEG-tDCS study. *Brain Inj.* 33(4):490-495. doi: 10.1080/02699052.2019.1565894.
- **Mele, S.**, Bivi, R., Borrà, L., Callegari, V., Caracciolo, S., Tugnoli, S., Craighero, L. (2019) Efficacy of theatre activities in facial expression categorization in schizophrenia. *Arts in Psychotherapy* 63: 141-150. doi: 10.1016/j.aip.2018.08.003.
- Craighero L, **Mele S.** (2018). Equal kinematics and visual context but different purposes: Observer's moral rules modulate motor resonance. *Cortex*. Jul;104:1-11. doi: 10.1016/j.cortex.2018.03.032.
- **Mele, S.**, Ghirardi, V. and Craighero, L. (2017) Facial expressions as a model to test the role of the sensorimotor system in the visual perception of the actions. *Exp Brain Res*. 2017 Dec;235(12):3771-3783. doi: 10.1007/s00221-017-5097-y
- **Mele, S.**, Cazzato, V., Di Taranto, F., Maestro, S., Fabbro, F., Muratori, F. and Urgesi, C (2016). Altered norm-based reshaping of esthetic body ideals in adolescent patients with Anorexia Nervosa. *Body Image*. Dec;19:113-121.
- Cazzato, V, **Mele, S.**, and Urgesi C. (2016) Different contributions of visual and motor brain areas during liking judgments of same- and different-gender bodies. *Brain Res*. 2016 Sep 1;1646:98-108.
- Craighero L, Jacono M, **Mele S.** (2016) Resonating with the ghost of a hand: A TMS experiment. *Neuropsychologia*. 2016 Apr;84:181-92
- Cazzato, V., Mian, E., **Mele, S.**, Tognana, G., Todisco, P. and Urgesi, C. (2016) The effects of body image exposure on self-image and body esthetics in Anorexia Nervosa. *Exp Brain Res*. 2016 Mar;234(3):695- 709.
- Craighero L, **Mele S.**, Zorzi V. (2015) An object-identity probability cueing paradigm during grasping observation: the facilitating effect is present only when the observed kinematics is suitable for the cued object. *Front Psychol*. 2015 Sep 29;6:1479. Apr;84:181-92

- Bagattini, C., **Mele, S.**, Brignani, D. and Savazzi, S. (2015) No causal effect of left hemisphere hyperactivity in the genesis of neglect-like behavior. *Neuropsychologia*. 2015 Apr 9;72:12-21.
- Cazzato, V., Mian, E., Serino, A., **Mele, S.** and Urgesi, C. (2015) Distinct contributions of Extrastriate Body Area and Temporoparietal Junction in body image distortion. *Cogn Affect Behav Neurosci*. 2015 Mar;15(1):211-28.
- **Mele, S.**, Mattiassi, A. and Urgesi,C. (2014) Unconscious processing of body actions primes subsequent action perception but not motor execution. *J Exp Psychol Hum Percept Perform*. 2014 Oct;40(5):1940- 62.
- Mattiassi, A., **Mele, S.**, Ticini, L. and Urgesi, C. (2014) Conscious and unconscious representations of observed actions in the human motor system. *J Cogn Neurosci*. 2014 Sep;26(9):2028-41.
- Cazzato, V, **Mele, S.**, and Urgesi C.(2014) Gender differences in the visual underpinning of perceiving and appreciating the beauty of the body. *Behav Brain Res*. 2014 May 1;264:188-96.
- **Mele, S.**, Cazzato, V and Urgesi C. (2013) The importance of perceptual experience in the esthetic appreciation of the body. *PLoS One*. 2013 Dec 4;8(12):e81378.
- **Mele, S.**, Berlucchi, G. and Peru,A., (2012) Inhibition of Return at foveal and extrafoveal locations: reassessing the evidence *Acta Psychol (Amst)*. 2012 Nov;141(3):281-6.
- **Mele, S.**, Savazzi S., Marzi, CA, & Berlucchi, G. (2008) Reaction time inhibition from subliminal cues: Is it related to inhibition of return? *Neuropsychologia* 2008 Feb 12;46(3):810-9.

Oral and poster presentations

- Parisi G., Mele S., Colombari E., Mazzi C., Savazzi S. (February, 2022). Neural dynamics of attentional orienting and reorienting: an event-related optical signal study. *Cognitive Science Arena*, Brixen, 18-19 February, 2022.
- Baldini E., Marangon M., Mele S., Lega C., Dolci C., Santandrea E., Chelazzi L. (November 2021) Target selection, but not distractor suppression, is impaired by single pulse TMS over right Frontal Eye Field. *NeuroCog*, Louvain-la-Neuve, Belgium.
- Baldini E., Marangon M., Mele S., Lega C., Dolci C., Santandrea E., Chelazzi L. (September 2021) Target selection, but not distractor suppression, is impaired by single pulse TMS over right Frontal Eye Field. the XXIX Annual Meeting of the Italian Society of Psychophysiology, Palermo, Italy.
- Colombari E., Parisi G., Tafuro A., Mele S., Mazzi C., Savazzi S. (September 2021) Unveiling the neural correlates of visual awareness by means of Fast Optical Imaging and EEG. the XXIX Annual Meeting of the Italian Society of Psychophysiology, Palermo, Italy.
- Bagattini, C., Mele, S., Brignani D. and Savazzi S. (November 2014) No causal effect of left hemisphere excitability. the XXII Annual Meeting of the Italian Society of Psychophysiology, Firenze, Italy.
- Mele, S., Makris S., Borgomaneri S., Avenanti A and Urgesi C. (September 2013) Per favore, non farlo! Simulazione di azioni disgustose e dolorosa nel Sistema motorio. Meeting of the Italian Association of Psychology (AIP), Section of Experimental Psychology, Rome, Italy.
- Mele, S. Perceptual adaptation and the esthetic appreciation of the beauty of the Body. (April 2013) **Oral presentation** at Conference on Body representation and Eating Disorders: Basic and clinical research approaches. Udine, Italy.
- Cazzato, V. Mian, E., Serino, A., Mele, S. and Urgesi C. (November 2012) Ruolo della corteccia occipitotemporale laterale e della giunzione temporoparietale nella rappresentazione percettiva e metacognitiva del corpo. Poster at SINP, Rome Italy.
- Bagattini, C., Mele, S., Brignani D. and Savazzi S. (September 2012) Il Neglect dipende da uno squilibrio attenzionale interemisferico? Meeting of the Italian Association of Psychology (AIP), Section of Experimental Psychology, Chieti, Italy.
- Mele, S., Cazzato, V. and Urgesi, C. (September 2012) Magro o grasso? L'importanza dell'adattamento del peso corporeo nella percezione estetica. Meeting of the Italian Association of Psychology (AIP), Section of Experimental Psychology, Chieti, Italy.
- Cazzato, V, Mele, S. and Urgesi C. (September 2012) Ruolo dell'extrastriate body area e della corteccia premotoria nell'elaborazione del giudizio estetico di corpi: uno studio rTMS. Meeting of the Italian Association of Psychology (AIP), Section of Experimental Psychology, Chieti, Italy.
- Cazzato, V, Mele, S. and Urgesi C. (July 2012). Extrastriate body area and dorsal premotor cortices contribute to aesthetic processing of fatness and implied motion of body stimuli. Poster at FENS forum, Barcelona Spain.
- Mattiassi, A., Mele, S. and Urgesi C. (July 2012). Subliminal Perception of Implied Actions Poster at FENS forum, Barcelona Spain.

- Mele, S., Cazzato, V. and Urgesi, C. (July 2012). Slim or fat? The importance of weight adaptation in body aesthetic perception. Poster at FENS forum, Barcelona Spain.
- Mele, S., Brignani, D. and Savazzi S. (September 2010). Ipsi- and contra-lateral effects of rTMS over the parietal cortex: an EEG study with healthy subjects. Poster at International Conference on Parietal Lobe Function, Amsterdam, Netherlands.
- Mele, S., Berlucchi, G. (September 2009). Fattori che influenzano il tempo di reazione manuale a stimoli luminosi lateralizzati. Meeting of the Italian Association of Psychology (AIP), Section of Experimental Psychology, Chieti, Italy.
- Mele, S., Berlucchi, G., Marzi, CA, and Savazzi S. (September 2008). Inibizione di ritorno con "cue" immaginata. Meeting of the Italian Association of Psychology (AIP), Section of Experimental Psychology, Padova, Italy.
- Mele, S., Berlucchi, G., Marzi, CA, and Savazzi S. (September 2007). Inhibition of Return: subliminal cue effect. National Congress of the Italian Society of Neuroscience— SINS, Verona, Italy.
- Mele, S., Berlucchi, G., Marzi, CA, and Savazzi S. (September 2006). Effetto Di Inibizione Di Ritorno (Ior): Inibizione e Facilitazione. Meeting of the Italian Association of Psychology (AIP), Section of Experimental Psychology, Rovereto, Italy.
- Mele, S., Berlucchi, G., Marzi, CA, and Savazzi S. (September 2005). Subliminal visual stimuli yield inhibition of return but not facilitation. Poster at 37th European Brain and Behavior Society Meeting – EBBS, Dublin, Eire.
- Mele, S., Berlucchi, G., Marzi, CA, and Savazzi S. (September 2005). Inibizione ma non facilitazione per stimoli invisibili. **Oral presentation** at Meeting of the Italian Association of Psychology (AIP), Section of Experimental Psychology, Cagliari, Italy.

Conference organization

October 15, 2019: the 160th anniversary of Augusta Dejerine-Klumpke's birth at the ICM institute in Paris, France. In collaboration with Tiziana Metitieri (the Wins), the ICM (ICM Institute for Brain and Spinal Cord) and Sorbonne University.

Honours and awards

Grant: History Online Projects Call 2016 by the FENS: project in collaboration with Tiziana Metitieri and Morgana Favero: "Untold stories: The Women Pioneers of Neuroscience in Europe"
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REFEREE ACTIVITY

Adolescent Health, Medicine and Therapeutics • Journal of Pain Research • Body Image • Acta Psychologica • Frontiers in Psychology

Scientific collaboration

Prof. Giovanni Berlucchi Department of Neurological and Movement Sciences, University of Verona, Verona, Italy
Prof. Carlo A Marzi Department of Neurological and Movement Sciences, University of Verona, Verona, Italy
Prof. Laila Craighero Department of Biomedical Sciences and Surgical Specialties, University of Ferrara, Ferrara, Italy
Prof. Silvia Savazzi Department of Neurological and Movement Sciences, University of Verona, Verona, Italy
Prof. Cosimo Urgesi Department of Human Sciences, University of Udine, Udine, Italy

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Verona, April 14, 2022

Sonia Mele