

## MASSIMILIANO ZAMPINI

### Curriculum Vitae

#### Academic Positions

*Full Professor* at the Center for Mind/Brain Sciences, CIMEC, University of Trento.

*Deputy Coordinator* of the Doctorate in Cognitive and Brain Sciences at CIMEC,  
University of Trento

#### Publications

- 69) Fontana, L., Albayay, J., Fernández-Prieto, I., & **Zampini, M.** (2022). Olfactory habituation to food and nonfood odours. *Quarterly Journal of Experimental Psychology*, Epub ahead of print. doi: 10.1177/17470218221115046.
- 68) Albayay, J., Fontana, L., Parma, V., & **Zampini, M.** (2022). Chemosensory Dysfunction in Long-Term COVID-19 Assessed by Self-Reported and Direct Psychophysical Methods. *Life*, 12(10):1487. doi: 10.3390/life12101487.
- 67) Marotta, A., Re, A., **Zampini, M.**, & Fiorio, M. (2021). Bodily self-perception during voluntary actions: The causal contribution of premotor cortex and cerebellum. *Cortex*, **142**, 1-14. doi: 0.1016/j.cortex.2021.05.012.
- 66) Marotta, A., Re, A., **Zampini, M.**, & Fiorio, M. (2021). Bodily self-perception during voluntary actions: The causal contribution of premotor cortex and cerebellum. *Cortex*, **142**, 1-14. doi: 0.1016/j.cortex.2021.05.012.
- 65) Tagini S., Scarpina F., & **Zampini, M.** (2021). Body size estimation in obesity: A systematic review and meta-analysis. *Experimental Brain Research*, **239**, 3417-3429. doi: 10.1007/s00221-021-06215-4.
- 64) Tagini, S., Scarpina, F., Scacchi, M., Mauro A., & **Zampini, M.** (2021). The self-perceived body size in obesity: Evidence from the implicit representation of the hand. *Quarterly Journal of Experimental Psychology* (Hove), **74**, 1103-1116. doi: 10.1177/1747021820985441.
- 63) Bhattacharjee, A., Kajal, D.S., Patrono, A., Li Hegner, Y., **Zampini, M.**, Schwarz, C., & Braun C.A. (2020). Tactile Virtual Reality for the Study of Active Somatosensation. *Frontiers in Integrative Neuroscience*. **14**, 5. doi: 10.3389/fnint.2020.00005. PMID:32132905; PMCID: PMC7040627.
- 62) Tagini, S., Scarpina, F., Scacchi, M., Mauro, A., & **Zampini M.** (2020). Reduced Temporal Sensitivity in Obesity: Evidence From a Simultaneity Judgement Task. *Multisensory Research*, **33**, 777-791. doi: 10.1163/22134808-20201501. PMID:

- 61) Tagini, S., Scarpina, F., Bruni, F., Scacchi, M., Mauro, A., & Zampini M. (2020) The Virtual Hand Illusion in Obesity: Dissociation Between Multisensory Interactions Supporting Illusory Experience and Self-Location Recalibration. *Multisensory Research*, **33**, 337-361. doi: 10.1163/22134808-20191425. PMID: 31722290.
- 60) Mazzeurega, M., Marisa, J., **Zampini, M.**, & Pavani, F. (2018). Thinner than yourself: self-serving bias in body size estimation. *Psychological Research*, **84**, 932-949. doi: 10.1007/s00426-018-1119-z.
- 59) Marotta, A., **Zampini, M.**, Tinazzi, M., & Fiorio, M. (2018). Age-related changes in the sense of body ownership: New insights from the rubber hand illusion. *PLoS One*, **13**, e0207528.
- 58) Valzolgher, C., Mazzeurega, M., **Zampini, M.**, & Pavani, F. (2018). Incongruent multisensory stimuli alter bodily self-consciousness: Evidence from a first-person perspective experience. *Acta Psychologica*, **191**, 261-270.
- 57) Etzi, R., **Zampini, M.**, Juravle, G., & Gallace, A. (2018). Emotional visual stimuli affect the evaluation of tactile stimuli presented on the arms but not the related electrodermal responses. *Experimental Brain Research*, **236**, 3391-3403.
- 56) Etzi, R., Ferrise, F., Bordegoni, M., **Zampini, M.**, & Gallace, A. (2018). The effect of visual and auditory information on the perception of pleasantness and roughness of virtual surfaces. *Multisensory Research*, **31**, 501-522.
- 55) Villanueva, L. & **Zampini, M.** (2018). Reciprocal interference between audition and touch in the perception of duration. *Multisensory Research*, **31**, 351-371.
- 54) Vibell, J., Klinge, C., **Zampini, M.**, Nobre, A. C., & Spence, C. (2017). Difference between endogenous attention to spatial locations and sensory modalities. *Experimental Brain Research*, online, doi: 10.1007/s00221-017-5030-4.
- 53) Targher, S., Micciolo, R., Occelli, V. & **Zampini, M.** (2017). The role of temporal disparities on audiovisual integration in low-vision individuals. *Perception*, **46**, 1356-1370.
- 52) Marotta, A., Bombieri F., **Zampini, M.**, Schena, F., Dallochio, C., Fiorio, M. & Tinazzi, M. (2017). The moving rubber hand illusion reveals that explicit sense of agency for tapping movements is preserved in functional movement disorders.. *Frontiers in Human Neuroscience*, **11**, 291.
- 51) Marotta, A., Tinazzi, M., Cavedini, C., **Zampini, M.**, & Fiorio, M. (2016) Individual differences in the rubber hand illusion are related to sensory suggestibility. *PLoS One*, **11**, e0168489.
- 50) Etzi, R., Spence, C., **Zampini, M.**, & Gallace, A., (2016). When sandpaper is 'Kiki' and satin is 'Bouba': an exploration of the associations between words,

- Emotional States, and the Tactile Attributes of Everyday Materials. *Multisensory Research*, **29**, 133-155.
- 49) Leonardelli, E., Braun, C., Weisz, N., Lithari, C., Occelli, V., & **Zampini, M.** (2015). Prestimulus oscillatory alpha power and connectivity patterns predispose perceptual integration of an audio and a tactile stimulus. *Human Brain Mapping*, **36**, 3486-3498.
- 48) Demattè, M.L., Pojer, N., Endrizzi, I., Corollaro, M.L., Betta, E., Aprea, E., Charles, M., Biasioli, F., Zampini, M., & Gasperi F. (2014) Effects of the sound of the bite on apple perceived crispness and hardness. *Food Quality and Preferences*, **38**, 58-64.
- 47) Occelli, V. , Esposito, G., Venuti, P., Arduino, G. M., & **Zampini, M.** (2013). Attentional shifts between audition and vision in autism spectrum disorders. *Research in Autism Spectrum Disorders* , **7**, 517-525.
- 46) Occelli, V. , Esposito, G., Venuti, P., Arduino, G. M., & **Zampini, M.** (2013). The Takete-Maluma phenomenon in autism spectrum disorders. *Perception* , **42**, 233-241.
- 45) Fracasso, A., Targher, S., **Zampini, M.**, & Melcher, D. (2013). Fooling the eyes: The influence of a sound-induced visual motion illusion on eye movements. *PLoS One*, **8**, e62131.
- 44) Demattè, M.L., Endrizzi, I., Biasioli, F., Corollaro, M.L., Pojer, N., **Zampini, M.**, Aprea, E., & Gasperi, F. (2013). Food neophobia and its relation with olfactory ability in common odour identification. *Appetite*, **68**, 112-117.
- 43) Occelli, V., Spence, C., & **Zampini, M.** (2013). Auditory, Tactile, and Audiotactile information processing following visual deprivation interactions. *Psychological Bulletin* **18**, 429-554.
- 42) Targher, S., Occelli, V. & **Zampini, M.** (2012). Audiovisual integration in low vision individuals. *Neuropsychologia*, **50**, 576-582.
- 41) Occelli, V., Bruns, P., **Zampini, M.**, & Röder, B. (2012). Audiotactile interaction is reduced in congenital blindness in a spatial ventriloquism task. *Neuropsychologia*, **50**, 36-43.
- 40) Demattè, M.L., Endrizzi, I., Biasioli, F., Corollaro, M. L., **Zampini, M.**, & Gasperi, F. (2011). Individual variability in the awareness of odors: Demographic parameters and odor identification ability. *Chemosensory perception*, **4**, 175-185.
- 39) Bonini, N., Hadjichristidis, C., Mazzocco, K., Demattè, M.L., **Zampini, M.**, Sbarbati, A., & Magon S. (2011). Pecunia olet: The role of incidental disgust in the ultimatum game. *Emotion*, **11**, 965-969.

- 38) Occelli, V., Spence, C., & **Zampini, M.** (2011). Audiotactile interactions in temporal perception. *Psychonomic Bulletin & Review*, **18**, 429-554
- 37) Occelli, V., Spence, C., & **Zampini, M.** (2011). Audiotactile interactions in front and rear space. *Neuroscience & Biobehavioral Reviews*, **35**, 589-598.
- 36) Occelli, V., Hartcher O'Brien, J., Spence, C., & **Zampini, M.** (2010). Assessing the Colavita effect in near and rear space. *Experimental Brain Research*, **203**, 517-532.
- 35) Spence, C., Levitan, C., Shankar, M. U., & **Zampini, M.** (2010). Does food color influence taste and flavor perception in humans. *Chemosensory Perception*, **3**, 68-84.
- 34) **Zampini, M.**, & Spence, C. (2010). Assessing the role of sound in the perception of food and drink. *Chemosensory Perception*, **3**, 57-67.
- 33) Mahon, B.Z, Anzellotti S., Schwarzbach, J., **Zampini, M.**, & Caramazza, A. (2009). Category-specific organization in the human brain does not require visual experience. *Neuron*, **63**, 397-405
- 32) Occelli, V., Spence, C., & **Zampini, M.** (2009). Assessing the effect of sound complexity on the audiotactile crossmodal dynamic capture task. *Quarterly Journal of Experimental Psychology*, **8**, 1-11.
- 31) Occelli, V., Spence, C., & **Zampini, M.** (2009). Compatibility effects between sound frequency and tactile elevation. *Neuroreport*, **20**, 793-797.
- 30) Tajadura-Jiménez, A., Kitagawa, N., Väljamäe, A., **Zampini, M.**, Murray, M.M., & Spence, C. (2009). Auditory-somatosensory multisensory interactions are spatially modulated by stimulated body surface and acoustic spectra. *Neuropsychologia*, **47**, 195-203.
- 29) Occelli, V., Spence, C., & **Zampini, M.** (2009). The effect of sound intensity on the audiotactile crossmodal dynamic capture effect. *Experimental Brain Resesearch*, **193**, 409-419.
- 28) Nava, E., Bottari, D., **Zampini, M.**, & Pavani, F. (2008). Visual temporal order judgment in profoundly deaf individuals. *Experimental Brain Research*, **190**, 179-88.
- 27) Occelli, V., Spence, C., & **Zampini, M.** (2008). Audiotactile temporal order judgments in sighted and blind individuals. *Neuropsychologia*, **46**, 2845-2850.
- 26) Levitan, C.A., **Zampini, M.**, Li, R., & Spence, C. (2008). Assessing the role of color cues and people's beliefs about color-flavor associations on the discrimination of the flavor of sugar-coated chocolates. *Chemical Senses*, **33**, 415-423.
- 25) **Zampini, M.**, Wantling, E., Phillips, N. & Spence, C. (2008). Multisensory flavor

- perception: Assessing the influence of fruit acids and color cues on the perception of fruit-flavored beverages. *Food Quality & Preference*, **18**, 335-343.
- 24) Pavani, F., & **Zampini M.** (2007). The role of hand size in the fake-hand illusion paradigm. *Perception*, **36**, 1547-1554.
- 23) **Zampini, M.**, Sanabria, D., Phillips, N. & Spence, C. (2007). The multisensory perception of flavor: Assessing the influence of color cues on flavor discrimination responses. *Food Quality & Preference*, **18**, 975-984.
- 22) Spence C., & **Zampini, M.** (2007). Affective design: Modulating the pleasantness and forcefulness of aerosol sprays by manipulating aerosol spraying sounds. *CoDesign*, **3**, 107-121.
- 21) Vatakis, A., Bayliss, L., **Zampini, M.**, & Spence, C. (2007). The influence of synchronous audiovisual distractors on audiovisual temporal order judgments. *Perception & Psychophysics*, **69**, 298-309.
- 20) **Zampini, M.**, Torresan, D., Spence, C., & Murray, M. M. (2007). Auditory-Somatosensory Multisensory Interactions in Front and Rear Space. *Neuropsychologia*, **45**, 1869-1877.
- 19) **Zampini, M.**, Bird, K. S., Bentley, D. E., Watson, A., Barret, G., Jones, A. K., & Spence, C. (2007). 'Prior Entry' for pain: Attention speeds the perceptual processing of painful stimuli. *Neuroscience Letters*, **414**, 75-79.
- 18) Vibell, J., Klinge, C., **Zampini, M.**, Spence, C., & Nobre, A. C.. (2007). Temporal order is coded temporally in the brain: Early ERP latency shifts underlying prior entry in a crossmodal temporal order judgment task. *Journal of Cognitive Neuroscience*, **19**, 109-120.
- 17) Spence C., & **Zampini, M.** (2006). Auditory contribution to multisensory product perception. *Acta Acustica united with Acustica*, **92**, 1009-1025.
- 16) **Zampini, M.**, Mawhinney, S., & Spence C. (2006). Tactile perception of the roughness of the end of a tool: What role does tool handle roughness play? *Neuroscience Letters*, **400**, 235-239.
- 15) Navarra, J., Vatakis, A., **Zampini, M.**, Soto-Faraco, S., Humphreys, W., & Spence C. (2005). Exposure to asynchronous audiovisual speech increases the temporal window for audiovisual integration of non-speech stimuli. *Cognitive Brain Research*, **25**, 499-507.
- 14) **Zampini, M.**, Shore, D. I., & Spence, C. (2005). Audiovisual prior entry. *Neuroscience Letters*, **381**, 217-222.
- 13) Kitagawa, N., **Zampini, M.**, Spence, C. (2005). Audiotactile interactions in near and far space. *Experimental Brain Research*, **166**, 528 -537.
- 12) **Zampini, M.**, Harris, C., & Spence, C. (2005). The effect of posture change on

- tactile perception: Impaired direction discrimination performance with interleaved fingers. *Experimental Brain Research*, **166**, 498-508.
- 11) **Zampini, M.**, & Spence, C. (2005). Modifying the multisensory perception of a carbonated beverage using auditory cues. *Food Quality and Preference*, **16**, 632-641.
  - 10) **Zampini, M.**, Guest, S., Shore, D. I., & Spence, C. (2005). Audiovisual simultaneity judgments. *Perception & Psychophysics*, **67**, 531-544.
  - 9) **Zampini, M.**, Brown, T., Shore, D. I., Maravita, A., Röder, B., & Spence, C. (2005). Audiotactile temporal order judgments. *Acta Psychologica*, **118**, 277-291.
  - 8) **Zampini, M.**, & Spence, C. (2004). The role of auditory cues in modulating the perceived crispness and staleness of potato chips. *Journal of Sensory Studies*, **19**, 347-363.
  - 7) Moro, V., **Zampini, M.**, & Aglioti, S. M. (2004). Changes in spatial position of hands modify tactile extinction but not disownership of contralesional hand in two right brain damaged patients. *Neurocase*, **10**, 437-443.
  - 6) **Zampini, M.**, Moro, V., & Aglioti, S. M. (2004). Illusory movements of the contralesional hand in patients with body image disorders. *Journal of Neurology, Neurosurgery & Psychiatry*, **75**, 1626-1628.
  - 5) **Zampini, M.**, Guest, S., & Spence, C. (2003). The role of auditory cues in modulating the perception of electric toothbrushes, *Journal of Dental Research*, **82**, 929-932.
  - 4) **Zampini, M.**, Shore, D. I., & Spence, C. (2003). Multisensory temporal order judgments: The role of hemispheric redundancy. *International Journal of Psychophysiology*, **50**, 165-180.
  - 3) **Zampini, M.**, Shore, D. I., & Spence, C. (2003) Audiovisual temporal order judgments. *Experimental Brain Research*, **152**, 198-210.
  - 2) Spence, C., Baddeley, R., **Zampini, M.**, James, R., & Shore, D. I. (2003). Multisensory temporal order judgments: when two locations are better than one. *Perception & Psychophysics*, **65**, 318-328.
  - 1) Tinazzi, M., Ferrari, G., **Zampini, M.**, Aglioti, S. M. (2000). Neuropsychological evidence that somatic stimuli are spatially coded according to multiple frames of reference in a stroke patient with tactile extinction. *Neuroscience Letters*, **287**, 133-136.

## Books

- Melcher, D., & **Zampini, M.** (2010). *Audio-visual interactions in science and the arts*. In F. Bacci, David Melcher (Eds) *Art and the Senses*. Oxford (UK): Oxford University Press

Bruno, N., Pavani, F., & **Zampini, M** (2010). *La percezione multisensoriale* 8.

Bologna: Il Mulino.

**Zampini, M.**, & Spence, C. (2010). *The role of visual and auditory cues in the multisensory perception of flavour*. In M.M. Murray, M. T. Wallace (Eds) *Frontiers in the Neural Bases of Multisensory processes*. Boca Raton, FL (USA): Taylor & Francis Group LLC

## Grants

University of Trento "Covid 19" grant, 2020, (single investigator), 65k Euros

Comune di Rovereto grant, 2018, (single investigator), 25k Euros.

CARITRO Foundation, 2011 (co-investigator), 40k Euros

Italian Ministry of Health, 2009 (co-investigator), 585k Euros

Fondazione Trentino Università, 2008, (single investigator) 47k Euros.

‘Rientro dei Cervelli’ from the Ministero dell’Università e della Ricerca, Italy (Italian University and Research Ministry) (single investigator), 25k Euros.

## Invited seminars

- Invited seminar at the Department of Psychology, University of British Columbia, Vancouver, Canada, 20<sup>th</sup> November 2003. Host: S. Morein-Zamir.

- Invited seminar at the Department of Cognitive and Education Sciences, University of Trento, Rovereto, Italy, 1<sup>st</sup> February 2005. Host: F. Pavani.

- Invited Seminar at The Functional Electrical Neuroimaging Laboratory, Neuropsychology Division and Radiology Service, Centre Hospitalier Universitaire Vaudois, Lausanne, Switzerland, 7<sup>th</sup> May 2006. Host: M. M. Murray

- Invited Seminar at Macquarie Centre for Cognitive Science, Macquarie University, Sydney, Australia, 9<sup>th</sup> July 2007 . Host: Veronica Coltheart

- Invited Seminar at the Departament de Tecnologies de la Informació i les Comunicacions, Universitat Pompeu Fabra, Barcelona, Spain, 8<sup>th</sup> March 2009 . Host: Salvador Soto-Faraco

- Invited Speaker at the Taste Symposium, IMRF meeting, New York, 16<sup>th</sup> June 2009 . Host: Andy Woods.

- Invited Seminar at the Department of Psychology, University of Milano-Bicocca, Milan, Italy, 14<sup>th</sup> February 2011. Host: Angelo Maravita

- Invited Seminar at the University of Gastronomic Sciences, Bra (CN), Italy, 29<sup>th</sup> April 2013 . Host: Luisa Torri

- Invited Seminar at the Department of Neuroscience, University of Granada, Granada (Spain), 27<sup>th</sup> October 2014 . Host: Daniel Sanabria
- Invited Seminar at the Department of Psychology, University of Barcelona, Barcelona (Spain), 21<sup>st</sup> December 2016 . Host: Jordi Navarra
- Invited Seminar at the Department of Neurosciences, Biomedicine and Movement Sciences University of Verona, Verona, Italy, 16<sup>th</sup> June 2017 . Host: Leonardo Chelazzi
- Invited Seminar at the Institute Paul Bocuse Research Center, Lyon, France, 17<sup>th</sup> May 2018 . Host: Jérémie Lafraire
- Invited Seminar at the Italian Institute of Technology, IIT, Genoa, Italy, 31<sup>st</sup> May 2019 . Host: Monica Gori
- Invited Seminar at the Institute Paul Bocuse Research Center, Lyon, France, 8<sup>h</sup> December 2023 . Host: Jérémie Lafraire

## **Research collaborations**

Charles Spence, University of Oxford.

Micah Murray, University of Lausanne

Flavia Gasperi, Fondazione Mach

Jordi Navarra, University of Barcelona

Brigitte Roeder, Hamburg University

Jérémie Lafraire, Institute Paul Bocuse Research Center

Alberto Gallace, University of Milano-Bicocca

Mirta Fiorio, University of Verona

Jonas Vibell, University of Hawaii at Manoa

Lorenzo Pia, University of Turin.

Riccardo Parin, Eurac.

## **Ad hoc referee for the following scientific journal:**

Acta Psychologica; Appetite; Canadian Journal of Experimental Psychology; Experimental Brain Research; Current Biology; Food Quality & Preference; Frontiers in Integrative Neuroscience; Giornale Italiano di Psicologia; Journal of Cognitive Neuroscience; Journal of Experimental Psychology: Human, Perception, Performance



and Performance; Journal of Vision; Multisensory Research; Neuroscience Letters; Perception & Psychophysics; Perception.

### **Academic Awards**

Scholarship from University of Padua for undergraduate students (1996-1998).

### **Conference organiser**

- 'Mind/Brain Sciences in the 21st Century' – Center for Mind/Brain Sciences

Inauguration Symposium, Rovereto, 13-14 March 2007

- 'Body Representation Workshop', Rovereto, 8-10 October 2007

- 'Crossmodal Plasticity in Deafness and Cochlear Implants', Rovereto, 27-29 August 2009

### **Organization Membership**

Italian Psychology Association, AIP, Italy

Experimental Psychology Society, EPS, UK