

Curriculum Vitae of SIMONE MESSEROTTI BENVENUTI, Ph.D.

Personal Information

- Birth date: **May – 31st – 1983**
- Citizenship: **Italian**
- Academic degree: **PhD**
- Institution: **Department of General Psychology, University of Padua, Italy**
- Address: **Via Venezia 8, 35131, Padua, Italy**
- Phone: **+39 049 827 6617**
- Fax: **+39 049 827 6600**
- E-mail: **simone.messerotti@unipd.it**

CURRENT ACADEMIC POSITION

- **Assistant professor** (2016 - present) – Department of General Psychology, University of Padua.

PREVIOUS ACADEMIC POSITION

- **Post-doctoral fellow (Senior)** (2014 – 2015) – Department of General Psychology, University of Padua.
- **Post-doctoral fellow (Junior)** (2012 – 2013) – Department of General Psychology, University of Padua.

EDUCATION

- **Attending 3rd year of the Cognitive-Behavioral Psychotherapy School, Studi Cognitivi in Modena** (2017)
- **Licensed Psychologist, no. 9950** (Italy, 2015).
- **PhD in Psychobiology** (2012), University of Padua. Research project: Cognitive-emotional psychophysiological rehabilitation after heart failure.
- **Master's degree (Summa Cum Laude) in Experimental Psychology and Cognitive-Behavioral Neuroscience** (2008), University of Padua.
- **Bachelor's degree (Summa Cum Laude) in Psychological Sciences of Personality and Interpersonal Relationships** (2006), University of Padua.

RESEARCH INTERESTS

- **Affective Neuroscience:** the neural, electrophysiological and autonomic correlates of emotion dysregulation in individuals at risk of mood disorders.
- **Psychosomatic Medicine:** the role of depression, anxiety, cognitive decline, and autonomic dysregulation in cardiovascular patients.

- **Psychophysiological Rehabilitation:** the efficacy of biofeedback and neurofeedback training for emotion regulation in clinical populations.

RESEARCH EXPERIENCES ABROAD

- 2011 **Visiting student at the School of Sport and Exercise Sciences, University of Birmingham, UK.** Research project: Pain perception in cardiovascular patients (6 months). Supervisor: Prof. Christopher Ring.

GRANTS, FELLOWSHIPS AND PARTICIPATION IN RESEARCH PROJECTS

- **Member of the Research Unit of the University of Padua in the European Project POTION (H2020-FETPROACT-2018-01; P.I.: Prof. Claudio Gentili).** Presumed starting date: January 2019. Duration of the Project: 5 years.
- **Recipient of “Fondo per il Finanziamento delle Attività Base di Ricerca” (FFABR)** assigned by the Italian Ministry of Education, University and Research (**3.000 €; 2017**)
- **Recipient of “Dotazione Ordinaria Ricerca” (DOR)** – Department of General Psychology, University of Padua (**2.542 € for 2016; 2.356 for 2017; 2.547 € for 2018**)
- **Post-doctoral research fellowship** (2014 – 2015) – University of Padua. Research project: Frontal midline theta activity and reduced heart rate variability in major depression: implications for depression-related cardiovascular risk (**42600 €; PI: Simone Messerotti Benvenuti**).
- **Young Investigators Grant for Innovative and Excellent Research** (2014) – University of Padua. Research project: Frontal midline theta activity and reduced heart rate variability in major depression: implications for depression-related cardiovascular risk (**21000 €; PI: Simone Messerotti Benvenuti**).
- **Post-doctoral research fellowship** (2012 – 2013) – University of Padua. Research project: Risk scores in cardiac surgery: the need for including objective measures of cognitive impairment and emotional dysregulation.

AWARDS AND HONORS

- **“Outstanding reviewer” award** (2017) – Journal of Affective Disorders.
- **“Outstanding reviewer” award** (2015) – Biological Psychology.
- **“Newsworthy” award for the abstract** presented at the American Psychosomatic Society Annual Meeting (2015), Savannah, GA.
- **“Mario Guazzelli” award for the best published article** assigned by the Italian Psychological Association – Clinical Psychology (2014), AIP Conference, Pisa.
- **Travel award to present poster** at the Annual Meeting of the Society for Psychophysiological Research (2011), Boston, USA.

CLINICAL TRAINING AND COMPETENCIES

Clinical training:

- Workshop “Effective Interventions using Neurofeedback and Biofeedback for Comorbidities that present with ADHD”. The 14th Annual Meeting of the Biofeedback Foundation of Europe – Rome, Italy, April 13-17, 2010.
- **Internship** (2010 – 2011) at the Department of General Psychology, Psychophysiology Lab., and Interdepartmental Laboratories for Applied and Clinical Psychological Research (L.I.Ri.P.A.C.), Clinical Psychophysiology Lab., University of Padua (12 months).
- **Internship** (2007 – 2008) at the Department of General Psychology, Psychophysiology Lab., University of Padua (8 months).
- **Internship** (2005 – 2006) at the Interdepartmental Laboratories for Applied and Clinical Psychological Research (L.I.Ri.P.A.C.), University of Padua (4 months).

Clinical competencies and activities:

- **Psychophysiological assessment** (Measures: ECG(HRV); EEG/ERPs; EMG).
- **Cognitive and affective assessment.**
- **Psychophysiological rehabilitation** (Biofeedback and Neurofeedback).

QUANTITATIVE SKILLS

- **Psychophysiological signal processing** in Brain Vision Analyzer 2, NeuroScan Edit 4.1 and 4.3; AcqKnowledge 4.1; Kubios-HRV 2.0, ProComp Infinity.
- **Statistical data analysis** in STATISTICA, SPSS.
- **Computer-controlled experimentation** with E-PRIME.

INSTITUTIONAL ROLE

- Faculty member of the PhD Programme in Neuroscience, University of Padua (2018 – present)
- Person in charge of Journal Club – Progress Report (2017/2018)
- Member of the Working Group DOR – 60% of the Department of General Psychology, University of Padua (2017)
- Member of the Working Group on the Evaluation of Research Quality 2011-2014 of the Department of General Psychology, University of Padua (2017)
- Post-doctoral fellows’ representative (2015)

PROFESSIONAL SOCIETIES AND EDITORIAL ACTIVITY

Member of:

- American Psychosomatic Society (APS)
- Society for Psychophysiological Research (SPR)
- Italian Society of Behavioral and Cognitive Therapy (SITCC)
- Italian Psychological Association (AIP) – Section of Clinical Psychology
- Italian Psychological Association (AIP) – Section of Experimental Psychology
- Italian Association of Professors and Assistant Professors of Clinical Psychology

Ad hoc Reviewer for:

- Psychiatry Research; Plos One; Psychophysiology; Current Directions in Psychological Science; Scientific Reports; Journal of Affective Disorders; Brain Imaging and Behavior; Emotion; Biological Psychology; Brain and Behavior; Journal of the International Neuropsychological Society; Frontiers in Human Neuroscience; Frontiers in Psychology; Psychological Reports; International Journal of Psychiatry in Clinical Practice; Journal of Psychophysiology; Perfusion

TEACHING EXPERIENCE

Course Title	Academic Year	University	Teaching Activity
Clinical Psychophysiology and Psychosomatics	2010/2011 2011/2012 2012/2013 2013/2014 2014/2015	University of Padua	Teaching assistant: • Psychophysiological Assessment • Clinical Applications of Biofeedback and Neurofeedback • Psychosomatic Medicine • Affective Neuroscience
Electroencephalography in Cognitive and Clinical Psychology	2013/2014 2014/2015	University of Padua	Teaching assistant: • Clinical Applications of Biofeedback and Neurofeedback
Health Psychology and Movement Science	2013/2014 2014/2015	University of Padua	Teaching assistant: • Psychophysiological Assessment • Clinical Applications of Biofeedback and Neurofeedback
Clinical Health Psychology	2016/2017	University of Padua	Lecturer
Clinical Psychology	2016/2017 2017/2018 2018/2019 2019/2020	University of Padua	Lecturer
Health Psychology and Movement Science	2018/2019 2019/2020	University of Padua	Lecturer

Examination Committee Member:

- Clinical Psychophysiology and Psychosomatics (2009 – present) – University of Padua
- Clinical Health Psychology (2015 – present) – University of Padua
- Clinical Psychology (L1; 2016 – present) – University of Padua
- Clinical Psychology (L4; 2015 – present) – University of Padua

Academic Advising and Mentoring for Master's Thesis (2009 – present).

FOREIGN LANGUAGE

- English. Excellent written and spoken

BIBLIOMETRICS

- Year of the first publication: **2011 (PhD awarded 2012)**
- Number of citations: **338 (Scopus)**
- *h* – index: **12 (Scopus)**
- Impact factor: **101.146 (2017)**
- Number of international papers published in impact factor journals: **38**
- Number of international papers published in impact factor journals as first author: **17**

PUBLICATIONS

Articles:

1. Zanatta, P., **Messerotti Benvenuti, S.** Monitoring cerebrovascular autoregulation: A potential new tool to prevent neurocognitive complications after cardiac surgery. *Minerva Anestesiologica*. In press. (IF = 2.693; Q2)
2. Gentili, C., **Messerotti Benvenuti, S.**, Lettieri, G., Costa, C., Cecchetti, L. ROI and phobias: The effect of ROI approach on an ALE meta-analysis of specific phobias. *Human Brain Mapping*. 2019;40:1814-1828. (IF = 4.927; Q1)
3. Patron, E., Mennella, R., **Messerotti Benvenuti, S.**, Thayer, J. The frontal cortex is a heart-brake: Reduction in delta oscillations is associated with heart rate deceleration. *NeuroImage*. 2019;188:403-410. (IF = 5.426; Q1)
4. Buodo, G., Patron, E., **Messerotti Benvenuti, S.**, Palomba, D. Single-session attention bias modification training in victims of work-related accidents. *Frontiers in Psychology – Clinical and Health Psychology*. 2018;9:1619. (IF = 2.089; Q2)
5. Greco, A., **Messerotti Benvenuti, S.**, Gentili, C., Palomba, D., Scilingo, E. P., Valenza, G. Assessment of linear and nonlinear/complex heartbeat dynamics in subclinical depression (dysphoria). *Physiological Measurement*. 2018;39:034004. (IF = 2.006; Q2)
6. Mennella, R., Sarlo, M., **Messerotti Benvenuti, S.**, Buodo, G., Mento, G., Palomba, D. The two faces of avoidance: Time-frequency correlates of motivational disposition in blood phobia. *Psychophysiology*. 2017;54:1606-1620. (IF = 3.118; Q1)
7. Gentili, C., **Messerotti Benvenuti, S.**, Palomba, D., Greco, A., Scilingo, E. P., Valenza, G. Assessing mood symptoms through heartbeat dynamics: An HRV study on cardiosurgical patients. *Journal of Psychiatric Research*. 2017;95:179-188. (IF = 4.000; Q1)
8. Patron, E., **Messerotti Benvenuti, S.**, Lopriore, V., Aratari, J., Palomba D. Somatic-affective, but not cognitive, depressive symptoms are associated with reduced health-related quality of life in patients with congestive heart failure. *Psychosomatics*. 2017;58:281-291. (IF = 2.534; Q2)
9. **Messerotti Benvenuti, S.**, Mennella, R., Buodo, G., Palomba, D. Frontal theta activity as an EEG correlate of mood-related emotional processing in dysphoria. *Journal of Psychopathology and Behavioral Assessment*. 2017;39:241-252. (IF = 1.792; Q3)
10. **Messerotti Benvenuti, S.**, Buodo, G., Palomba, D. Appetitive and aversive motivation in dysphoria: a time-domain and time-frequency study of response inhibition. *Biological Psychology*. 2017;125:12-27. (IF = 2.891; Q1)

11. Buodo, G., Sarlo, M., Mento, G., **Messerotti Benvenuti, S.**, Palomba, D. Unpleasant stimuli differentially modulate inhibitory processes in an emotional Go/NoGo task: an ERP study. *Cognition and Emotion*. 2017;31:127-138. (IF = 2.563; Q2)
12. Patron, E., **Messerotti Benvenuti, S.**, Palomba, D. Preoperative biomedical risk and depressive symptoms are differently associated with reduced health-related quality of life in patients 1 year after cardiac surgery. *General Hospital Psychiatry*. 2016;40:47-54. (IF = 2.989; Q2)
13. **Messerotti Benvenuti, S.**, Sarlo, M., Buodo, G., Mento, G., Palomba, D. Influence of impulsiveness on emotional modulation of response inhibition: An ERP study. *Clinical Neurophysiology*. 2015;126:1915-1925. (IF = 3.614; Q2)
14. **Messerotti Benvenuti, S.**, Patron, E., Palomba, D. Are patient- or procedure-related factors relevant to middle-term cognitive decline after cardiac surgery? This is the question. *Perfusion*. 2015;30:514-516. (IF = 1.147; Q4)
15. **Messerotti Benvenuti, S.**, Buodo, G., Mennella, R., Palomba, D. Somatic, but not cognitive-affective, symptoms are associated with reduced heart rate variability in individuals with dysphoria. *Frontiers in Psychology – Psychology for Clinical Settings*. 2015;6:599. (IF = 2.089; Q2)
16. **Messerotti Benvenuti, S.**, Mennella, R., Buodo, G., Palomba, D. Dysphoria is associated with reduced cardiac vagal withdrawal during the imagery of pleasant scripts: evidence for the positive attenuation hypothesis. *Biological Psychology*. 2015;106:28-38. (IF = 2.891; Q1)
17. Mennella, R., **Messerotti Benvenuti, S.**, Buodo, G., Palomba, D. Emotional modulation of alpha asymmetry in dysphoria: results from an emotional imagery task. *International Journal of Psychophysiology*. 2015;97:113-119. (IF = 2.868; Q1)
18. Patron, E., **Messerotti Benvenuti, S.**, Favretto, G., Gasparotto, R., Palomba, D. Depression is associated with increased vagal withdrawal during unpleasant emotional imagery after cardiac surgery. *Autonomic Neuroscience: Basic and Clinical*. 2015;189:75-82. (IF = 2.605; Q3)
19. **Messerotti Benvenuti, S.**, Patron, E., Favretto, G., Palomba, D. Increased cardiovascular risk is associated with cognitive impairment and emotion dysregulation. *Experimental & Clinical Cardiology*. 2014;20:3518-3539.
20. **Messerotti Benvenuti, S.**, Patron, E., Zanatta, P., Polesel, E., Palomba, D. Preexisting cognitive status is associated with reduced behavioral functional capacity in patients three months after cardiac surgery: an extension study. *General Hospital Psychiatry*. 2014;36:368-374. (IF = 2.989; Q2)
21. Patron, E., **Messerotti Benvenuti, S.**, Palomba, D. Preoperative and perioperative predictors of reactive and persistent depression after cardiac surgery: A three-month follow-up study. *Psychosomatics*. 2014;55:261-271. (IF = 2.534; Q2)
22. Patron, E., **Messerotti Benvenuti, S.**, Favretto, G., Gasparotto, R., Palomba, D. Depression and reduced heart rate variability after cardiac surgery: the mediating role of emotion regulation. *Autonomic Neuroscience: Basic and Clinical*. 2014;180:53-58. (IF = 2.605; Q3)
23. **Messerotti Benvenuti, S.** Author's response to disparity of neural and behavioral handedness in evaluating candidates for POCD. *Perfusion*. 2013;28:461-462. (IF = 1.147; Q4)
24. **Messerotti Benvenuti, S.**, Bianchin, M., Angrilli, A. Posture affects emotional responses: a Head Down Bed Rest and ERP study. *Brain and Cognition*. 2013;82:313-318. (IF = 2.574; Q2)
25. **Messerotti Benvenuti, S.**, Patron, E., Zanatta, P., Polesel, E., Bonfà, C., Palomba, D. Change in behavioral functional capacity is associated with preexisting cognitive function rather than with

- cognitive decline in patients one year after cardiac surgery. *General Hospital Psychiatry*. 2013;35:117-121. (IF = 2.989; Q2)
26. Patron, E., **Messerotti Benvenuti, S.**, Zanatta, P., Polesel, E., Palomba, D. Pre-existing depressive symptoms are associated with long-term cognitive decline in patients after cardiac surgery. *General Hospital Psychiatry*. 2013;35:472-479. (IF = 2.989; Q2)
 27. Patron, E., **Messerotti Benvenuti, S.**, Favretto, G., Valfrè, C., Bonfà, C., Gasparotto, R., Palomba, D. Biofeedback assisted control of respiratory sinus arrhythmia as a biobehavioral intervention for depressive symptoms in patients after cardiac surgery: a preliminary study. *Applied Psychophysiology and Biofeedback*. 2013;38:1-9. (IF = 1.347; Q3)
 28. **Messerotti Benvenuti, S.**, Zanatta, P., Longo C., Mazzarolo, A.P., Palomba, D. Preoperative cerebral hypoperfusion in the left, not in the right, hemisphere is associated with cognitive decline after cardiac surgery. *Psychosomatic Medicine*. 2012;74:73-80. (IF = 3.810; Q1)
 29. **Messerotti Benvenuti, S.**, Ring, C., Palomba, D., Baldanzi, F., Zanatta, P. Cortical and autonomic responses to noxious stimulation during anaesthesia in cardiac surgery patients are moderated by pre-anaesthetic blood pressure levels. *Psychophysiology*. 2012;49:697-703. (IF = 3.118; Q1)
 30. **Messerotti Benvenuti, S.**, Zanatta, P., Valfrè, C., Polesel, E., Palomba, D. Preliminary evidence for reduced preoperative cerebral blood flow velocity as a risk factor for cognitive decline three months after cardiac surgery: an extension study. *Perfusion*. 2012;27:486-492. (IF = 1.147; Q4)
 31. Patron, E., **Messerotti Benvenuti, S.**, Favretto, G., Valfrè, C., Bonfà, C., Gasparotto, R., Palomba D. Association between depression and heart rate variability in patients after cardiac surgery: A pilot study. *Journal of Psychosomatic Research*. 2012;73:42-46. (IF = 2.947; Q2)
 32. Zanatta, P., **Messerotti Benvenuti, S.**, Baldanzi, F., Bendini, M., Saccavini, M., Tamari, W., Palomba, D., Bosco, E. Pain-related somatosensory evoked potentials and functional brain magnetic resonance in the evaluation of neurologic recovery after cardiac arrest: a case study of three patients. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*. 2012;20:22. (IF = 2.312; Q1)
 33. Zanatta, P., **Messerotti Benvenuti, S.**, Valfrè, C., Baldanzi, F., Palomba, D. The role of asymmetry and the nature of microembolization in cognitive decline after heart valve surgery: a pilot study. *Perfusion*. 2012;27:199-206. (IF = 1.147; Q4)
 34. Zanatta, P., **Messerotti Benvenuti, S.**, Baldanzi, F., Bosco, E. Pain-related middle-latency somatosensory evoked potentials in the prognosis of post anoxic coma: a preliminary report. *Minerva Anestesiologica*. 2012;78:749-756. (IF = 2.693; Q2)
 35. **Messerotti Benvenuti, S.**, Palomba D., Zanatta, P., Mazzarolo, A.P., Valfrè, C. Biomedical and psychological risk in cardiac surgery: is EuroSCORE a more comprehensive risk measure than stroke index? *European Journal of Cardiothoracic Surgery*. 2011;39:e102-e106. (IF = 3.504; Q1)
 36. **Messerotti Benvenuti, S.**, Bianchin, M., Angrilli, A. Effects of simulated microgravity on brain plasticity: a startle reflex habituation study. *Physiology and Behavior*. 2011;104:503-506. (IF = 2.517; Q2)
 37. **Messerotti Benvenuti, S.**, Buodo, G., Leone, V., Palomba, D. Neurofeedback training for Tourette Syndrome: an uncontrolled single case study. *Applied Psychophysiology and Biofeedback*. 2011;36:281-288. (IF = 1.347; Q3)
 38. Zanatta, P., **Messerotti Benvenuti, S.**, Bosco, E., Baldanzi, F., Longo, C., Palomba, D., Salandin, V., Sorbara, C. Intraoperative neurophysiological monitoring of the afferent pain

pathway in cardiac surgery patients. *Clinical Neurophysiology*. 2011;122:2093-2099. (IF = 3.614; Q2)

39. Zanatta, P., **Messerotti Benvenuti, S.**, Bosco, E., Baldanzi, F., Palomba, D., Valfre', C. Multimodal brain monitoring reduces major neurological complications in cardiac surgery. *Journal of Cardiothoracic and Vascular Anesthesia*. 2011;25:1076-1085. (IF = 1.574; Q3)

Abstract:

40. Gentili, C., **Messerotti Benvenuti, S.**, Greco, A., Palomba, D., Scilingo, E. P., Valenza, G. Exploiting HRV measures for clinical evaluation of depressive symptomatology. *Mediterranean Journal of Clinical Psychology*. 2018;6:S220.
41. Patron, E., Mennella, R., **Messerotti Benvenuti, S.**, Palomba, D. The psychophysiological assessment in depressed patients. *Mediterranean Journal of Clinical Psychology*. 2018;6:S36.
42. Greco, A., **Messerotti Benvenuti, S.**, Gentili, C., Palomba, D., Valenza, G., Scilingo, E. P. Nonlinear analysis of heart rate variability for the assessment of dysphoria. *Engineering in Medicine and Biology Society (EMBC)*. 2017;3170-3173.
43. **Messerotti Benvenuti, S.**, Greco, A., Gentili, C., Valenza, G, Scilingo, E. P., Palomba, D. An HRV-multi-feature approach for assessing depressive symptoms in cardiosurgical patients. *Psychophysiology*. 2017;54:S43.
44. **Messerotti Benvenuti, S.**, Gentili, C., Patron, E., Palomba, D. Does HRV measurement help in the diagnosis and treatment of depression in cardiac patients? *Mediterranean Journal of Clinical Psychology*. 2017;5:S98.
45. **Messerotti Benvenuti, S.**, Patron, E., Mennella, R. Emotional modulation of alpha asymmetry in dysphoria: Results from an emotional imagery task. *Mediterranean Journal of Clinical Psychology*. 2015;3:SB132.
46. Mennella, R., **Messerotti Benvenuti, S.**, Buodo, G., Palomba, D. Frontal theta activity as an EEG indicator of mood-dependent emotional processing in dysphoria. *Psychophysiology*. 2015;52:S99.
47. **Messerotti Benvenuti, S.**, Patron E, Favretto G, Gasparotto R, Palomba D. Depression and reduced heart rate variability after cardiac surgery: the mediating role of emotion regulation. *Psychophysiology*. 2013;50:S108.
48. Buodo G, Sarlo M, Mento G, **Messerotti Benvenuti, S.**, Munafò M, Palomba D. Ready, steady, stop! The neural correlates of response inhibition to unpleasant stimuli. *Psychophysiology*. 2013;50:S107-108.
49. Patron E, **Messerotti Benvenuti, S.**, Favretto G, Gasparotto R, Palomba D. Depression is associated with reduced HRV and EEG alpha in patients after cardiac surgery. *Psychophysiology*. 2013;50:S108.
50. Patron, E., **Messerotti Benvenuti, S.**, Favretto, G., Gasparotto, R., Palomba, D. RSA-Biofeedback reduce depressive symptoms in cardiac surgery patients. *Applied Psychophysiology and Biofeedback*. 2013;38:216.
51. Patron, E., **Messerotti Benvenuti, S.**, Gasparotto, R., Favretto, G., Palomba, D. Depression and heart rate variability in cardiac surgery patients. *Applied Psychophysiology and Biofeedback*. 2013;38:223-224.
52. **Messerotti Benvenuti, S.**, Patron, E., Favretto, G., Gasparotto, R., Palomba, D. Association between depressive symptoms and reduced cardiac vagal modulation in patients after cardiac surgery. *Neuropsychological Trends*. 2012;12:36.

53. **Messerotti Benvenuti, S.**, Zanatta P, Valfrè C, Palomba D. Preoperative and intraoperative haemodynamic risk factors for cognitive decline after cardiac surgery. *Psychophysiology*. 2011;48:S28.
54. Zanatta, P., **Messerotti Benvenuti, S.**, Bosco, E., Mazzarolo, A.P., Bonfà, C., Giliberti, O., Baldanzi, F., Longo, C., Palomba, D., Sorbara, C., Longatti, P. Intraoperative neurophysiological monitoring improves postoperative neuropsychological performance in adult cardiac surgery patients. *Clinical Neurophysiology*. 2011;122:S116.
55. Zanatta, P., **Messerotti Benvenuti, S.**, Bosco, E., Baldanzi, F., Longo, C., Mazzarolo, A.P., Valfrè, C., Sorbara, C. Effectiveness of multimodality neuromonitoring in cardiac surgery. *Clinical Neurophysiology*. 2011;122:S116-S117.
56. **Messerotti Benvenuti, S.**, Bianchin, M., Angrilli, A. Effects of simulated microgravity on human emotion processing and startle reflex habituation. *Psychophysiology*. 2009;46:S30.

INVITED TALKS AND CONFERENCE PRESENTATIONS

1. **Messerotti Benvenuti, S.**, Gentili, C., Patron, E., Palomba, D. Does HRV measurement help in the diagnosis and treatment of depression in cardiac patients?. 58th Annual Meeting – Society for Psychophysiological Research – Quebec City, Canada, October 3-7, 2018.
2. Gentili, C., **Messerotti Benvenuti, S.**, Greco, A., Palomba, D., Scilingo, E. P., Valenza, G. Exploiting HRV measures for clinical evaluation of depressive symptomatology. AIP [Italian Association of Psychology – Clinical and Dynamic Psychology section] – Urbino, Italy, September 7-9, 2018.
3. Patron, E., Mennella, R., **Messerotti Benvenuti, S.**, Palomba, D. The psychophysiological assessment in depressed patients. AIP [Italian Association of Psychology – Clinical and Dynamic Psychology section] – Urbino, Italy, September 7-9, 2018.
4. Greco, A., **Messerotti Benvenuti, S.**, Gentili, C., Palomba, D., Valenza, G., Scilingo, E. P. Nonlinear analysis of heart rate variability for the assessment of dysphoria. 39th Annual International Conference IEEE – Seogwipo, South Korea, July 11-15, 2017.
5. **Messerotti Benvenuti, S.**, Gentili, C., Patron, E., Palomba, D. Does HRV measurement help in the diagnosis and treatment of depression in cardiac patients? AIP [Italian Association of Psychology – Clinical and Dynamic Psychology section] – Turin, Italy, September 29 – October 1, 2017.
6. **Messerotti Benvenuti, S.**, Gentili, C., Palomba, D. La variabilità della frequenza cardiaca nella diagnosi e nel trattamento in pazienti cardiopatici depressi. CIRMANMEC – Padova, Italia, Aprile 5, 2017. Invited talk.
7. Patron, E., **Messerotti Benvenuti, S.**, Palomba, D. “Depressione dopo cardiocirurgia: Il ruolo critico della regolazione cardiaca vagale” [“Depression after cardiac surgery: the crucial role of cardiac vagal modulation”]. AIP [Italian Association of Psychology – Clinical and Dynamic Psychology section] – Pisa, Italy, September 19-21, 2014.
8. **Messerotti Benvenuti, S.** “Cuore e Cervello: una relazione (a volte) pericolosa” [Heart and Brain: (sometimes) a dangerous relation]. Brain Awareness Week – Padua, Italy, March 13-14, 2014. Invited talk.

9. **Messerotti Benvenuti, S.**, Patron, E., Palomba, D. “Biofeedback of respiratory sinus arrhythmia as an effective intervention for depression-related cardiac risk in patients after cardiac surgery”. BFE [Biofeedback Federation of Europe] – Venice, Italy, February 11-15, 2014.
10. Buodo, G., **Messerotti Benvenuti, S.**, Sarlo, M., Mento, G., Palomba, D. “Impulsività e inibizione della risposta in contesti emozionali: un’indagine tramite potenziali evento-relati” [“Impulsiveness and response inhibition in emotional context: an ERP study”]. AIP [Italian Association of Psychology – Clinical and Dynamic Psychology section] –Napoli, Italy, September 27-29, 2013.
11. **Messerotti Benvenuti, S.**, Patron, E., Favretto, G., Gasparotto, R., Palomba, D. “Association between depressive symptoms and reduced cardiac vagal modulation in patients after cardiac surgery”. SIPF [Italian Society of Psychophysiology] – Venice, Italy, November 22-24, 2012.
12. **Messerotti Benvenuti, S.**, Patron, E., Favretto, G., Gasparotto, R., Palomba, D. “Sintomi depressivi si associano a ridotta variabilità della frequenza cardiaca in soggetti sottoposti a cardiocirurgia” [Depressive symptoms are associated with reduced heart rate variability in patients after cardiac surgery]. AIP [Italian Association of Psychology] – Chieti, Italy, September 20-23, 2012.

CONFERENCE POSTER PRESENTATIONS

1. **Messerotti Benvenuti, S.**, Greco, A., Gentili, C., Valenza, G, Scilingo, E. P., Palomba, D. An HRV-multi-feature approach for assessing depressive symptoms in cardiosurgical patients. 57th Annual Meeting – Society for Psychophysiological Research – Vienna, Austria, October 11-15, 2017.
2. **Messerotti Benvenuti, S.**, Buodo, G., Palomba, D. “Un compito EEG-Go/Nogo per lo studio della disposizione motivazionale nella disforia” [“An EEG-Go/Nogo task for motivational disposition in dysphoria”]. AIP [Italian Association of Psychology – Experimental Psychology section] – Rome, Italy, September 20-22, 2016.
3. Patron, E., **Messerotti Benvenuti, S.**, Palomba, D. Depression, but not anxiety, is associated with poor quality of life in patients with congestive heart failure. AIP [Italian Association of Psychology – Clinical Psychology section] – Rome, Italy, September 16-18, 2016.
4. Mennella, R., **Messerotti Benvenuti, S.**, Buodo, G., Palomba, D. “Frontal theta activity as an EEG indicator of mood-dependent emotional processing in dysphoria”. 55th Annual Meeting – Society for Psychophysiological Research – Seattle, Washington, USA, Settembre 30 - Ottobre 4, 2015.
5. **Messerotti Benvenuti, S.**, Patron, E., Mennella, R. “Emotional modulation of alpha asymmetry in dysphoria: Results from an emotional imagery task”. AIP – Sezione Psicologia Clinica e Dinamica – Milazzo, Italia, Settembre 25-27, 2015.
6. **Messerotti Benvenuti, S.**, Mennella, R., Buodo, G., Palomba, D. “Autonomic emotional responding in dysphoria: evidence for the positive attenuation hypothesis”. 73rd Annual Meeting – America Psychosomatic Society – Savannah, Georgia, USA, March 18-21, 2015.
7. **Messerotti Benvenuti, S.**, Patron, E., Favretto, G., Gasparotto, R., Palomba, D. “Depression and reduced heart rate variability after cardiac surgery: the mediating role of emotion regulation”.

- 53rd Annual Meeting – Society for Psychophysiological Research – Florence, Italy, October 2-6, 2013.
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 9. Patron, E., **Messerotti Benvenuti, S.**, Favretto, G., Gasparotto, R., Palomba, D. “Depression is associated with reduced HRV and EEG alpha in patients after cardiac surgery”. 53rd Annual Meeting – Society for Psychophysiological Research – Florence, Italy, October 2-6, 2013.
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 12. Patron, E., **Messerotti Benvenuti, S.**, Favretto, G., Gasparotto, R., Palomba, D. “Biofeedback dell’aritmia sinusale respiratoria per la riduzione dei sintomi depressivi in pazienti cardiocirurgici”. [“RSA-Biofeedback reduces depressive symptoms in cardiac surgery patients”]. AIP [Italian Association of Psychology] – Chieti, Italy, September 20-23, 2012.
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 14. Zanatta, P., **Messerotti Benvenuti, S.**, Bosco, E., Mazzarolo, A.P., Bonfà, C., Giliberti, O., Baldanzi, F., Longo, C., Palomba, D., Sorbara, C., Longatti, P. “Intraoperative neurophysiological monitoring improves postoperative neuropsychological performance in adult cardiac surgery patients”. 14th European Congress on Clinical Neurophysiology and 4th International Conference on Transcranial Magnetic and Direct Current Stimulation – Rome, Italy, June 21-25, 2011.
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19. **Messerotti Benvenuti, S.**, Bianchin, M., Angrilli, A. “Effects of simulated microgravity on human emotion processing and startle reflex modulation” Società Italiana di Biomedicina e Biotecnologia Spaziale [Italian Society of Biomedicine and Space Biotechnology] – Santa Margherita Ligure, Italy, March, 31 – April, 2, 2009.