



XXI Congresso Nazionale della Società Italiana di Psicofisiologia  
24-26 ottobre 2013, Lecce

**Sessione comunicazioni orali**

**Le comunicazioni orali avranno una durata di 12' (8' di presentazione + 4' per la discussione)**

**Giovedì 24 ottobre 2013** Coordinatori: S. Rossi M. Oliveri

15:30 Avanzino L (Genova) Motor cortical plasticity induced by motor learning through mental practice

15:40 Balconi M (Milano) rTMS stimulation improves the facial mimicry and detection response in an empathic emotional task

15:50 Cattaneo L (Trento) The parietal operculum stores the haptic working memory of objects for grasping in humans: a bifocal TMS study.

16:00 Di Russo F (Roma) Spatiotemporal mapping of response inhibition in the prefrontal cortex

16:10 Maffongelli L (Genova) Does action sequence violation elicit syntax-like ERP components?

16:20 Resta D (Lecce). Processing literary metaphor with and without original context: ERP evidence

16:30 Santarnecchi E (Siena) Baseline performance predicts gamma-tACS enhancement of fluid intelligence

16:40-17:00 Discussione

**Sabato 26 ottobre 2013** Coordinatori: A Grippo, MF Decaro

10:00 Cavinato M (Venezia) Fronto-parietal EEG coherence in patients with disorders of consciousness after neurosensory stimulation.

10:10 Celegghin A (Verona) Interhemispheric transmission of visual information between the intact and the lesioned hemisphere in hemianopic patients

10:20 Comanducci A (Firenze) Stimulus Preceding Negativity (SPN) in a non-motor triplet paradigm: role of the expectancy and the saliency.

10:30 Fossataro C (Londra) Alien hands and defensive peripersonal space (DPPS)

10:40 Urgesi C (Udine) Neural underpinnings of superior action-prediction abilities in soccer players.

10:50 Invitto s (Lecce) Inter-individual variability and the effect of catastrophizing on the perception of thermal grill illusion.

11:00-11:15 Discussione



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### **Sessione poster**

**Venerdì 25 ottobre 2013 ore 13:45 -15:30**

Coordinatori: L. Fadiga, F. Fattaposta , A Grippo, C Miniussi

#### **Sezione 1 (neuro stimolazione) A Grippo**

Andò A - Effects of rTMS of left inferior frontal gyrus on human movement responses to the Rorschach test

Balconi M - DLPFC and left supramarginal gyrus activation increases the recognition of instrumental and functional violations in action representation

Bartoli E - Listening to speech recruit specific tongue motor synergies: a TMS Tissue-Doppler Imaging Study

Bocci T - Transcutaneous spinal DC stimulation (tsDCS) modulates interhemispheric processing of motor and visual stimuli.

Borgomaneri S - Emotional bodies triggers fast motor reactions and motor resonance: single and paired-pulse TMS studies

Bortoletto M - Counter-effects of high-intensity long-lasting tDCS on motor learning

Brignani D - Improvement of reactive inhibition and proactive control by means of transcranial direct current stimulation

Campostrini S - Transcranial direct current stimulation increases long-range fronto-parietal connections in patients with disorder of consciousness: a preliminary study.

Carrai R - Repetitive transcranial magnetic stimulation as an additional treatment to speech therapy in aphasia following sub-acute stroke.

Finisguerra A - Dynamic sounds within Peripersonal Space modulate motor system: a TMS study.

Galli G - Temporal characteristics of episodic memory formation investigated through repetitive Transcranial Magnetic Stimulation.

Giovannelli F - Effects of transcranial alternating current stimulation (tACS) on spontaneous motor tempo and sensorimotor synchronization: preliminary data.

Houdayer E - Excitatory deep repetitive transcranial magnetic stimulation with H-coil improves motor planning in parkinson Disease

Mannarelli D - Sustained phasic alertness during priming effect: an Event-Related Potentials and Transcranial Magnetic Stimulation study

Pilurzi G - Occurrence of sensory-motor interaction and long-term potentiation in human primary facial motor cortex investigated through non-invasive brain stimulation techniques

Pirulli C- Facilitation effects of cathodal stimulation in a perceptual learning task: behind a simplistic approach of tES



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**Sezione 2 (neuropsicologia e psicofisiologia generale) C Miniussi**

- Nappo R - Differences between musicians and non-musicians in exogenous attentional orienting: a preliminary study
- Picazio S - Combined effect of cerebellar cathodic tDCS and music listening
- Nuara A - Mirror motor activation during music listening in professional pianists: a neurophysiological study
- Olcese C - Sound-waves' effect on haematic cortisol level: a Pilot Study
- Picazio S - Reverberant cortico-cortical interactions in early phases of movement inhibition
- De Nunzio - Neural networks for artifact reduction and vowel speech imagery classification in EEG data
- Garrapa L - Detection, identification, and discrimination of /i/, /u/, and /ε/ in Italian cochlear-implant children: a behavioral and neurophysiological study
- Grimaldi - Assimilation of L2 vowels to L1 phonemes governs L2 learning in adulthood – A behavioral and ERP study
- Manca AD - Cortical representation of Italian vowels within the auditory cortex: An ERP study
- Virgillitto A - ERP components elicited by a syntactically minimal music cadence
- Vacchi S - Psychomotor and judgment performances in basketball referees
- Leocani - Visuomotor coupling and executive functions in elite soccer players: the Stroop test revisited
- Bisio A - Action representation and tool use: a motor imagery study in expert tennis players
- Bisio A - Action observation combined with peripheral electrical nerve stimulation induces plasticity in human motor cortex
- Perini E - Acute effects of moderate dynamic exercise on brain plasticity
- Invitto S - Hormonal phases affect hemispheric asymmetry in spatial attention
- Invitto S - Gender difference and hormonal phases can affect spatial attention.
- Cazzato V - Gender differences in the visual underpinning of perceiving and appreciating the beauty of the body.
- Falciati L - Attentional reorienting in three-dimensional space
- Calluso C - Interindividual variability in functional connectivity predicts discounting behavior during intertemporal choice
- Berchicci M - Stimulus predictability modulates the timing of pre-motor activity in prefrontal cortex.
- Mento G - Orienting attention in time in context of temporal expectancy versus prediction: a HD-ERP study
- Feurra – Frequency-specific insight into memory for digits



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**Sezione 3 (neuro-psico-fisiopatologia) F. Fattaposta**

Volpato - Level of dopamine modulates learning style and error-related negativity in Parkinson's disease

Triggiani I - Desynchronisation of cortical alpha rhythms during resting-state condition is reduced in healthy obese subjects without eating disorders

Todarello O - Heart rate variability profile and personality variables before and after animal assisted activities on early adolescent's risk-taking behaviors: a pilot project

Salatino - Awareness of symptoms amelioration after low-frequency repetitive transcranial magnetic stimulation in a patient with tourette syndrome and comorbid obsessive-compulsive disorder

Merico A - Executive function and default mode activity in ALS

Magnano I - May ERP and SPECT investigations represent early markers of Mild Cognitive Impairment (MCI)?

Giorli E - A case of ocular myasthenia: the role of Single Fiber Electromyography.

Garbarini f - Dynamic causal modeling of cortical activity during execution or imagination of movements with a paralyzed limb

Flotta L - Intelligent monitoring of subjects with severe disorder of consciousness

Casarotto S - Perturbational complexity in chronic patients with disorders of consciousness

Balconi M - What kind of relationship between CNC, DRS scales and ERP measure in DOC (disorders of consciousness) patients? A semantic association task

Avvantaggiato P - Classification proposal of polysomnographic patterns in children and adolescents awakening from coma: a neurorehabilitation cohort study

Di Rosa - Feedback processing in Parkinson's disease: An ERPs study with the Iowa Gambling Task

Di Lorenzo F - D2 agonist administration restores impaired LTP-like cortical plasticity in AD patients

Crivelli D - Early correlates of agency perception in interaction scenes: preliminary evidences from Williams syndrome

Comanducci A - Adult ADHD: neurophysiological markers of disrupted attentional processing as an additional aid to a challenging clinical diagnosis?



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**Sezione 4 (emozioni e dolore) L. Fadiga**

Vecchio E - Saliency of painful stimulus in migraine patients: evidence from laser evoked potentials habituation studies

Pro - VEP habituation distribution in the families of migraine children

Franco - Effective connectivity and cortical information flow under visual stimulation in migraine with aura

Federici A - Autonomic adaptive changes in heart rate elicited by Valsalva maneuver are blunted in a group of female migraine patients

Valeriani M - Peripheral and central nervous contribution to gastrointestinal symptoms in diabetic patients with autonomic neuropathy

Riganello A - Perception of pain in the disorders of consciousness: a Heart Rate Variability pilot study.

Testani E - Nocebo effect dissociates the laser-pain rating from the N2/P2 laser evoked potential amplitude

Pazzaglia - Understanding the underlying mechanisms of “non conventional medicine” in the therapy of pain: a laser evoked potential study.

Torta D - The effect of divided attention on the nociceptive system

Valentini - Body representation of death awareness: a somatosensory-specific effect of mortality salience.

Perri R - Anticipating expected emotions: the role of prefrontal and occipital areas

Mauri P - Arousing auditory stimulus improves performance in a discriminative reaction time task

Quarto T - Interaction between functional variation of the dopamine D2 receptor gene and sound background on brain activity during implicit emotional processing

Lagravinese G - Does my hand feel emotions? Effects of the observation of hand movements with emotional valence on cortico-spinal excitability

Balconi M - Left hemispheric unbalance and reward mechanisms affect gambling behavior. The contribution of the metacognition, SCR and cortical brain oscillations