



Società Italiana di Psicofisiologia e Neuroscienze Cognitive

XXIX CONGRESSO NAZIONALE

PALERMO, 30 SETTEMBRE • 2 OTTOBRE 2021

**AULA MAGNA VINCENZO LI DONNI
UNIVERSITÀ DEGLI STUDI DI PALERMO**

BEYOND THE LOCKDOWN OF THE BRAIN



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GIOVEDÌ **30 SETTEMBRE** 2021

8.30 – 9.00 **SALUTI APERTURA DEI LAVORI**

9.00 – 10.00 **SIMPOSIO**

BODILY SELF-PERCEPTION IN HEALTHY AND PATHOLOGICAL CONDITIONS

CHAIRS: **Angela Marotta** (Verona) – **Emiliano Ricciardi** (Lucca)

9.00 How the central processing of sensory information shapes bodily self-perception

Angela Marotta (Verona)

9.20 How the effects of actions become our own: the sense of agency and its neural correlates in healthy and pathological populations

Laura Zapparoli (Milano)

9.40 Does the belief of owning a body gate tactile awareness?

Carlotta Fossataro (Torino)

10.00 – 10.50 **COMUNICAZIONI ORALI**

CHAIRS: **Ferdinando Sartucci** (Pisa) – **Simone Rossi** (Siena)

10.00 Probing the structure-function relationship of the corticospinal tract: a dMRI-TMS approach

Sonia Betti, M. Fedele, U. Castiello, L. Sartori, S. Budisavljevic
(Padova, Leuven - B, St. Andrews - UK)

10.10 Neurophysiological correlates of ventral premotor cortex to primary motor cortex cortico-cortical paired associative stimulation

Andrea Casarotto, E. Dolfini, P. Cardellicchio, L. Fadiga, G. Koch, A. D'Ausilio
(Ferrara)

10.20 Real-Time assessment of inhibition deficits in Parkinson's disease by combining TMS and EEG

Elias Paolo Casula, S. Ajao, V. Pezzopane, A. Roncaioli, I. Borghi, L. Rocchi, L. Brusa, J. Rothwell, G. Koch (Roma, Londra, Cagliari, Ferrara)

10.30 Intrinsic motor network connectivity predicts corticospinal excitability

Laura Marzetti, A. Basti, F. Chella, R. Guidotti, J. Metsomaa, C. Zrenner, U. Ziemann, R. Ilmoniemi, G. Romani, V. Pizzella
(Chieti, Tuebingen - D, Helsinki - FI)

10.40 Investigating the interaction between tACS aftereffects and cortical natural frequencies: a TMS-EEG study
Alberto Pisoni, E. Arrigoni, L. Romero Lauro (Milano)

10.50 – 11.00 **COFFEE BREAK**

11.00 – 12.00 **SIMPOSIO**

EVENT RELATED POTENTIALS (ERPS) IN NEURODEVELOPMENTAL DISORDERS: POTENTIAL BIOMARKERS?

CHAIRS: **Luigi Mazzone** (Roma) – **Maria Concetta Pellicciari** (Roma)

11.00 High Intellectual Potential (HIP) and Autism Spectrum Disorder (ASD): two sides of the same coin?

ERPs as possible indexes of different neurofisiological pattern

Luigi Mazzone (Roma)

11.20 Autism and Attenuated Psychosis Syndrome (APS):

neuropsychological profile and ERPs in a pediatric sample

Assia Riccioni (Roma)

11.40 Event Related Potentials as possibile biomarker of ADHD symptoms severity in Tuberous Sclerosis complex (TSC)

Stefano Pro (Roma)

12.00 – 13.20 **SIMPOSIO**

THE CONTRIBUTION OF NEUROPHYSIOLOGY TO MIGRAINE: FROM BASIC MECHANISMS TO THE EFFECTS OF NOVEL TREATMENTS

CHAIRS: **Filippo Brighina** (Palermo) – **Marina de Tommaso** (Bari)

12.00 Abnormal cross modal perception and cortical excitability

Filippo Brighina (Palermo)

12.20 Peripheral interference by CGRP inhibition on basic cortical dysfunction

Marina de Tommaso (Bari)

12.40 Monoclonal antibodies against the CGRP receptor exert a differential effect at the level of the caudal trigeminal nucleus and at the level of the somatosensory cortex in migraine patients

Gianluca Coppola (Roma)

13.00 Can clinical neurophysiology find the pathophysiological signature of migraine in children?
Massimiliano Valeriani (Roma)

13.20 – 14.40 LUNCH AND POSTER SESSION

14.40 – 16.00 **SIMPOSIO**
CEREBELLAR ROLE IN SEMANTIC MEMORY, SOCIAL COGNITION, PAIN CONTROL AND HYPNOTIZABILITY

CHAIRS: **Enrica L. Santarcangelo** (Pisa) – **Tomaso Vecchi** (Pavia)

14.40 Cerebellar involvement in semantic memory: evidence from brain stimulation
Daniele Gatti

15.00 How social is the cerebellum?
Neuropsychological and neurostimulation findings
Cosimo Urgesi (Udine)

15.20 The “painful” cerebellum: new evidence for an old debate
Tommaso Bocci (Milano)

15.40 Hypnotizability and the cerebellum: facts and hypotheses
Enrica L. Santarcangelo (Pisa)

16.00 – 17.00 **KEYNOTE LECTURE 1**
FUTURE-ORIENTED COGNITION AND THE PREDICTIVE BRAIN
Giovanni Pezzulo (Roma)

CHAIR: **Cosimo Urgesi** (Udine)

17.00 – 17.20 COFFEE BREAK

17.20 – 18.40 **SIMPOSIO**
OLFACTORY FUNCTIONS IN AGING AND CLINICAL DISEASES

CHAIRS: **Sara Invitto** (Lecce) – **Giorgia Sollai** (Cagliari)

17.20 Human aging arise trough olfactory sensitivity
Andrea Mazzatenta (Chieti)

- 17.40 Olfactory function, eating behavior and lifestyle in elderly subjects
Giorgia Sollai (Cagliari)
- 18.00 Olfactory alteration after SARS-CoV-2 infection. The clinical experience
Giacomo Spinato (Padova)
- 18.20 Stress, Hyposmia, Anosmia, Normosmia and Augesia after SARS-CoV-2 infection
Sara Invitto (Lecce)

18.40 – 19.40 **COMUNICAZIONI ORALI**

CHAIRS: **Marina de Tommaso** (Bari) – **Francesco Fattapposta** (Roma)

- 18.40 Hierarchical interactions: behavioural and physiological effects of perceived and experienced social status
Sarah Boukarras, V. Era, M. Schepisi, V. Placidi, S. Panasiti, S. Garfinkel, H. Critchley, M. Candidi (Roma, Londra -UK, Brighton - UK)
- 18.50 Body ownership constraints and consciousness: hand-perspective, but not hand-identity, affects the timing of visual awareness
Tommaso Ciorli, L. Pia (Torino)
- 19.00 The tactile knowledge of the visual body self
Mattia Galigani, M. Romeo, F. Genovese, B. Forster, F. Garbarini (Torino, Londra - UK)
- 19.10 Interoceptive accuracy moderates the relationship between blood pressure and pain perception
Giuseppina Porciello, A. Salaris, G. Calcagnini, C. Ottaviani, E. Mattei, B. Basile (Roma)
- 19.20 Seeing ain't believing
Corrado Sinigaglia, G. Riva (Milano)
- 19.30 Respiratory phases shape electrophysiological and behavioural correlates of cardiac interoception
Andrea Zaccaro, E. Parrotta, G. Perrucci, M. Costantini, F. Ferri (Chieti, Aberdeen - UK)

19.45 **COCKTAIL DI BENVENUTO**

VENERDÌ 1 OTTOBRE 2021

8.30 – 9.20 COMUNICAZIONI ORALI

CHAIRS: **Emiliano Ricciardi** (Lucca) – **Giacomo Koch** (Ferrara, Roma)

8.30 Young adults and multisensory time perception:
Visual and auditory pathways in comparison
Giovanni Cantarella, P. Bisiacchi (Padova)

8.40 Magnetoencephalographic signatures of human perceptual decision making
Antea D'Andrea, A. Basti, A. Tosoni, F. Chella, V. Pizzella, L. Marzetti (Chieti)

8.50 The categorical representation of affect in ventromedial prefrontal cortex is independent from the sensory modality and visual experience
Giada Lettieri, G. Handjaras, E. Cappello, F. Setti, C. Frati, V. Bruno, M. Diano, A. Leo, C. Tinti, F. Garbarini, P. Pietrini, E. Ricciardi, L. Cecchetti (Lucca, Pisa, Torino)

9.00 High-definition transcranial direct current stimulation of the dorsal anterior cingulate cortex modulates decision-making and executive control
Giulia Mattavelli, S. Lo Presti, D. Tornaghi, N. Canessa (Pavia)

9.10 Decision signals in the intraparietal sulcus during item recognition revealed by MEG recording of alpha rhythm modulations
Carlo Sestieri, S. Spadone, A. Tosoni, S. Della Penna (Chieti)

9.20 – 10.20 SIMPOSIO

DREAMING AS BRAIN-MIND CONNECTION

CHAIRS: **Romina Moavero** (Roma) – **Massimiliano Valeriani** (Roma)

9.20 Sleep and memory
Raffaele Ferri (Troina, EN)

9.40 Brain networks underlying dream activity
Giulio Bernardi (Lucca)

10.00 EEG correlates of dream recall upon awakening from REM and NREM sleep
Luigi De Gennaro (Roma)

10.20 – 10.30 COFFEE BREAK

10.30 – 11.30 **SIMPOSIO**

**BEHAVIORAL PREDICTION, ATTENTIONAL FILTERING, COGNITIVE CONTROL:
THE TOUGH WORK OF OUR BRAIN IN THE HUMAN-ENVIRONMENT INTERACTION**

CHAIRS: Rinaldo Livio Perri (Roma) – Mirta Fiorio (Verona)

10.30 Implicit learning prevails over explicit learning during prediction of possible outcomes under perceptual uncertainty

Valentina Bianco (Udine)

10.50 Investigating the role of the dorsal fronto-parietal attention network in distractor filtering and in the attention-modulated surround suppression mechanisms by means of TMS

Carlotta Lega (Milano)

11.10 Hypnotic suggestions and the Stroop test: neurocognitive mechanisms of the more accurate performance in hypnosis

Rinaldo Livio Perri (Roma)

11.30 – 12.00 **PREMIO SIPF**

MINDREADING AT THE INTERSECTION OF ENCODING AND READOUT

Cristina Becchio (Torino)

CHAIR: Massimiliano Valeriani (Roma)

12.00 – 13.00 **SIMPOSIO**

**MULTI-FACETED SOCIAL COORDINATION:
ATTUNEMENT, SYNCHRONY AND JOINT ACTION**

CHAIRS: Alessandro D'Ausilio (Ferrara) – Giacomo Koch (Ferrara, Roma)

12.00 On the emergence of inter-brain synchrony and spontaneous movement coordination

Giacomo Novembre (Genova)

12.20 The hidden rhythm of interpersonal (sub-)movement coordination

Alessandro d'Ausilio (Ferrara)

12.40 Cortical systems for interpersonal goal directed interactions

Matteo Candidi (Roma)

13.00 – 14.30 **LUNCH AND POSTER SESSION**

14.30 – 15.30 **SIMPOSIO**

FREQUENCY BAND SPECIFIC MARKERS OF COGNITIVE AND SENSORIMOTOR PROCESSES

CHAIRS: Ottavia Maddaluno (Roma) – Viviana Betti (Roma)

14.30 Task-dependent changes of topology and functional connectivity in the human brain

Ottavia Maddaluno (Roma)

14.50 Beta rebound as an index of somatosensory and motor communication

Pasquale Cardellicchio (Ferrara)

15.10 The beta band as the spectral signature of control signals in the DAN during attentional reorienting

Sara Spadone (Chieti)

15.30 – 16.30 **KEYNOTE LECTURE 2**

NEUROCOGNITIVE MECHANISMS OF EMBODIED SELFHOOD

Jakub Limanowski (Dresden - DE)

CHAIR: Francesca Garbarini (Torino)

16.30 – 16.45 **COFFEE BREAK**

16.45 – 17.45 **SIMPOSIO**

PREDICTING MYSELF AND OTHERS: BETWEEN SENSE OF AGENCY AND BODY OWNERSHIP

CHAIRS: Giuseppe Giglia (Palermo) – Pierangelo Sardo (Palermo)

16.45 Do I or Robot try to understand you? Active social perception

Dimitri Ognibene (Milano)

17.05 The role of consciousness in social active inference and the emergence of adaptive and maladaptive behaviors

David Rudrauf (Ginevra – CH)

17.25 Body ownership acts per se on conscious awareness of willed action

Lorenzo Pia (Torino)

17.45 – 19.05 **SIMPOSIO**

BRAIN RHYTHMS FOR PERCEPTION AND ACTION: DEFINING THE BUILDING BLOCKS OF HUMAN CONSCIOUS EXPERIENCE

CHAIRS: Vincenzo Romei (Bologna) – Luca Ronconi (Milano)

17.45 Alpha and beta rhythms subserve spatio-temporal integration in perception

Luca Ronconi (Milano)

18.05 The influence of alpha and beta phase in visual perception and motor preparation

Domenica Veniero (Nottingham - UK)

18.25 The motor rhythms of visual perception

Alice Tomassini (Ferrara)

18.45 Tuning alpha frequency and amplitude dissociates perceptual accuracy and confidence

Vincenzo Romei (Bologna)

19.05 – 20.00 **ASSEMBLEA DEI SOCI**

20.30 **CENA SOCIALE**

SABATO 2 OTTOBRE 2021

8.30 – 9.30 **SIMPOSIO**

EEG BIOMARKERS UNVEIL ABNORMAL NEUROPHYSIOLOGICAL MECHANISMS IN PATIENTS WITH ALZHEIMER'S AND LEWY BODY DISEASES

CHAIRS: Claudio Babiloni (Roma) – Fabrizio Vecchio (Roma - Noverate, CO)

8.30 The interaction between neuropsychology and the study of brain networks in neurodegenerative disorders
Davide Quaranta (Roma)

8.45 EEG functional connectivity in cognitive domains: method and application to Default Mode Networks
Francesca Miraglia (Roma)

9.00 Event-related oscillatory coherence in patients with dementia and mild cognitive impairment due to Alzheimer's disease
Görsev Yener (Izmir - TR)

9.15 Event-related oscillatory power density and phase-locking in patients with Parkinson's and Lewy body dementias
Bahar Güntekin (Istanbul - TR)

9.30 – 10.30 **KEYNOTE LECTURE 3**

INVESTIGATING ABSTRACT AND CONCRETE WORDS IN THE BRAIN

Costanza Papagno (Milano - Rovereto, TN)

CHAIR: Massimiliano Valeriani (Roma)

10.30 – 10.45 **COFFEE BREAK**

10.45 – 11.45 **SIMPOSIO**

TOWARDS AN OPEN AND REPRODUCIBLE SCIENCE: ITALIAN REPRODUCIBILITY NETWORK

CHAIRS: Carlo Miniussi (Rovereto, TN) – Gabriele Fusco (Roma)

10.45 From registered reports to large-scale collaborative projects
Marta Bortoletto (Brescia)

11.00 Data sharing: an overview of practical issues and theoretical implications
Vittorio Iacovella (Trento)

11.15 The multiverse approach for a better data analysis in developmental psychophysiology: the case of pupillometry
Giulia Calignano (Padova)

11.30 Good lab management practices from a reproducibility perspective
Davide Crepaldi (Trieste)

11.45 – 12.35 **COMUNICAZIONI ORALI**

CHAIRS: **Massimiliano Oliveri** (Palermo) – **Cosimo Urgesi** (Udine)

11.45 The persistence of the placebo effect after disclosure during a motor task
Diletta Barbiani, M. Emadi Andani, M. Bonetto, B. Villa-Sanchez, M. Fiorio (Verona, Rovereto - TN)

11.55 Let's play MindTheCity!: a virtual navigational 3D-videogame for enhancing spatial memory
Elena Del Fante, D. Vadda, I. Ronga, A. Ghiggia, G. Geminiani, K. Sacco (Torino)

12.05 Boosting social prediction abilities with cerebellar stimulation: evidence from tDCS studies in healthy adults and in patients with cerebellar malformation
Alessandra Finisguerra, V. Oldrati, N. Butti, E. Ferrari, C. Urgesi (Udine)

12.15 Effect of multisensorial immersive stimulation (MImE) in disorders of consciousness
Luca Padua, G. Fredda, G. Reale, D. Coraci, L. Castelli, C. Loreti, S. Giovannini, R. Bernabei (Roma)

12.25 Modification of autonomic nervous system induced by focal vibration in acquired brain injury
Costanza Pazzaglia, C. Cuccagna, R. Fiori, L. Padua (Roma)

12.35 – 13.00 **TEST DI APPRENDIMENTO ECM**

13.00 – 13.30 **PREMIAZIONI E SALUTI FINALI**

SI COMUNICA CHE PER EVENTUALI ASSENZE DELL'ULTIMA ORA NELLA FACULTY, SI PROCEDERÀ ALLA SOSTITUZIONE CON I DOCENTI GIÀ PRESENTI NEL PROGRAMMA SCIENTIFICO CHE HANNO STESSO CAMPO DI COMPETENZA O, IN ALTERNATIVA, SARÀ IL RESPONSABILE SCIENTIFICO DELL'EVENTO A PRESENTARE LA RELAZIONE.

POSTERS

GIOVEDÌ **30 SETTEMBRE** 2021

13.20 – 14.40 **SESSIONE POSTER 1**

1. Cognitive neuromodulation clinical data and applications
Gioacchino Aiello, S. Merati, M. Rossini, G. Toti
(Albese Con Cassano, Bernareggio)
2. Control of core temperature in major orthopedic surgery and neurotraumatology using Levobupivacaine for spinal anesthesia in old patients with delirium using Donepezil
Barbara Amarisse, C. Renzini, A. Zurlo, G. Giuliani (Ferrara, San Marino)
3. Functional features of the Bereitschaftspotential: a TMS-EEG study on cortical excitability and connectivity of the Supplementary Motor Area (SMA) in Go/No-go tasks
Eleonora Arrigoni, V. Bianco, F. Di Russo, L. Romero Lauro, A. Pisoni
(Milano, Udine)
4. ApoE4 with isolated A β pathology results in less aggressive Alzheimer's disease
Martina Assogna, C. Motta, S. Bonni, I. Borghi, E. Casula, A. Martorana, G. Koch
(Roma, Ferrara)
5. Age-dependent effects of tDCS on episodic memory
Chiara Bagattini, S. Cid-Fernandez, M. Bulgari, C. Miniussi, M. Bortoletto
(Brescia, Galicia, Rovereto)
6. Affective sounds entering the peripersonal space influence the whole-body action preparation
Mehrdad Bahadori (Verona)
7. Target selection, but not distractor suppression, is impaired by single pulse TMS over right Frontal Eye Field
Eleonora Baldini, M. Marangon, S. Mele, C. Lega, C. Dolci, E. Santandrea, L. Chelazzi (Verona, Milano)
8. Turn up the volume: aesthetic experience elicited by music shifts the attentional balance from internal to external stimuli
Paolo Barbieri, P. Sarasso, L. Bechis, M. Neppi-Modona, K. Sacco, I. Ronga
(Torino)

9. On the network specificity of the TMS-evoked potentials
Giacomo Bertazzoli, E. Canu, D. Calderaro, C. Bagattini, F. Agosta, C. Fracassi, M. Marizzoni, V. Nicolosi, M. Filippi, M. Bortoletto (Trento, Milano, Brescia)
10. Cardiac autonomic signature of learned fear in humans
Simone Battaglia, S. Orsolini, S. Borgomaneri, R. Barbieri, S. Diciotti, G. di Pellegrino (Bologna, Milano)
11. Semantic hierarchy as a modulator of the concrete-abstract conceptual continuum
Chiara Battaglini, D. Bottari, G. Handjaras, M. Berto, E. Striem-Amit, P. Pietro, A. Lenci, G. Marotta, E. Ricciardi (Lucca, Washington, Pisa)
12. Effector-selective modulation of the effective connectivity within frontoparietal circuits during visuomotor tasks
Federica Bencivenga, M. Tullo, T. Maltempo, A. Von Gal, C. Serra, P. Sabrina, G. Gaspare (Roma)
13. The role of readiness potential in motor-induced visual suppression
Alessandro Benedetto, H. T. Ho, M. C. Morrone (Pisa, Firenze)
14. The effect of long-term cross-modal plasticity on auditory processing in blind individuals
Alice Bollini, M. Gori (Genova)
15. A diagnostic approach in consciousness disorders assessment
Lilla Bonanno, V. Lo Re, S. Marino, S. Casarotto, S. De Salvo, F. Avorio, G. Panarello, D. Palma, N. Muscarà, F. Corallo, G. Hassan, E. Varoli, A. Quartarone, L. Romero-Lauro (Messina, Palermo, Milano)
16. Combined effects on motor cortical excitability of prismatic adaptation and cerebellar tDCS
Rosario Emanuele Bonaventura, A. Giustiniani, M. Oliveri (Palermo, Venezia)
17. On the road of memory: investigating the relationship between memory, spatial navigation, and Deja-vu
Alessia Bonavita, A. Teghil, C. Guariglia, M. Boccia (Roma)

18. Asymmetric spatiotemporal dynamics of phosphene perception after lateralized occipital cortex stimulation
Davide Bonfanti, C. Mazzi, A. Tafuro, S. Savazzi (Verona)
19. Effects of Transcranial Direct Current Stimulation on the neural substrates of conceptual representations
Ilaria Borghi, S. Bonni, M. Maiella, E. Casula, C. Caltagirone, G. Koch, G. Gainotti (Roma, Ferrara)
20. Ageusia and Anosmia in COVID-19 patients: how the olfactory and gustatory perceptions can be connected to stress, somatization, the levels of familiarity, and emotionality of the olfactory/gustatory stimulus
Ilaria Bruno, R. Moretti, M. Settimo, S. Invitto (Lecce)
21. Using Virtual Reality and Embodiment illusion to alter Body Image Distortion in Anorexia Nervosa
Ilaria Bufalari, I. Provenzano, S. Ciccarone, G. Porciello, M. Petrucci, B. Cozzani, A. Cotugno (Roma)
22. Sensorimotor synchronization in blind musicians: does lack of vision influence non-verbal musical communication?
Giulia Cappagli, E. Volta, G. Volpe, M. Gori (Genova)
23. Mine or Yours? Frequency tagging reveals an implicit neural index of hand identity recognition in the human brain
Nicolò Castellani, M. Galigani, M. Mancano, E. Pizzolla, M. Podestà, D. Bottari, F. Garbarini (Lucca, Torino)
24. Improvement of cognitive symptoms in SARS-COV2 related encephalitis following prefrontal rTMS
Angela Catania, P. Turriziani, M. Oliveri (Palermo)
25. How you see you remember: viewing strategy more than fixation topography shapes scenes recollection
Miriam Celli, M. Celli, A. Zangrossi, G. Cona, M. Corbetta (Padova)
26. Emerging of new bioartificial corticospinal motor synergies using a robotic additional thumb
Alessandra Cinti, S. Rossi, G. Salvietti, F. Neri, S. Romanella, C. Sinigaglia, M. Ulivelli, T. Lisi Baldi, E. Santerrecchi, D. Prattichizzo (Siena, Milano, Boston)

27. Unveiling the neural correlates of visual awareness by means of Fast Optical Imaging and EEG
Elisabetta Colombari, G. Parisi, A. Tafuro, S. Mele, C. Mazzi, S. Savazzi (Verona)
28. Mapping of Space, Time and Numbers in the brain: From ATOM to GradiATOM
Giorgia Cona, M. Wiener, C. Scarpazza (Padova)
29. Bilateral skin temperature drop and warm sensibility decrease following modulation of body part ownership through mirror-box illusion
Damiano Crivelli, E. Polimeni, D. Crotti, G. Bottini, G. Salvato (Pavia)
30. Spatial frequency tuning of body gender adaptation
Giulia D'Argenio, A. Finisguerra, C. Urgesi (Trieste, Udine)
31. Reversed Pseudoneglect in a Virtual Reality Environment
Giuseppe De Lisi, G. Giglia, G. Gambino, N. Ravì, P. Sardo, G. Ferraro, G. Musotto (Palermo)
32. Vision of haptics tunes the somatosensory threshold
Maria Del Vecchio, D. De Marco, A. Cassisi, P. Avanzini (Parma)
33. Modulation of cognitive functions using a combination of visuomotor adaptation and digital therapy in Alzheimer's disease
Agnese Di Garbo, F. Calistro, M. Oliveri (Palermo)
34. Modulating spatial orientation by Non-Invasive Brain Stimulation
Marco Di Maira, G. Gambino, P. Sardo, G. Ferrari, F. Brighina, G. Giglia (Palermo)
35. Can we modulate visuo-spatial asymmetries during free visual exploration?
An HD-tDCS and eye-tracking study
Lorenzo Diana, G. Scotti, E. Aiello, A. Eberhard-Moscicka, R. Mueri, N. Bolognini (Monza, Bern, Milano)
36. Dyadic Interpersonal Interactions: a Dual-EEG Study
Michelangelo Dini, B. Ghezzi, A. Averna, N. Maiorana, M. Guidetti, A. Priori, T. Bocci, R. Ferrucci (Milano)

37. Functional MRI correlates of face-name associative memory task with emotional stimuli in individuals with subjective cognitive decline
Alessandra Dodich, N. Canessa, G. Santi, C. Crespi, S. Iannaccone, A. Marccone, M. Zamboni, A. Falini, C. Cerami (Rovereto, Pavia, Milano)
38. The Role of Premotor Areas in Joint Action Motor Inhibition
Elisa Dolfini, P. Cardellicchio, A. Casarotto, L. Fadiga, A. D'Ausilio (Ferrara)
39. The Risk of Lying: anterior insular/cingulate modulations of dishonest decision-making under the risk of losing one's reputation
Lennie Dupont, V. Santangelo, M. S. Panasiti, R. T. Azevedo, S. M. Aglioti (Roma)
40. Enhanced alpha-band frontoparietal connectivity facilitates the suppression of irrelevant information during a working memory task
Giulia Ellena, J. Macedo-Pascual, J. Trajkovic, P. Di Luzio, C. Poch, V. Romei (Cesena, Madrid, Bologna)
41. Huntingtin gene intermediate alleles influence the progression from Subjective Cognitive Decline to Mild Cognitive Impairment: a 15-year follow-up study
Filippo Emiliani, S. Mazzeo, C. Polito, S. Bagnoli, M. Mattei, S. Padiglioni, V. Berti, G. Lombardi, G. Giacomucci, M. De Cristofaro, A. Passeri, C. Ferrari, B. Nacmias, S. Sorbi, V. Bessi (Firenze)
42. Dopaminergic medication enhances subjective enjoyment and improves interactive performance during dyadic motor interactions in patients with Parkinson's Disease
Vanessa Era (Roma)
43. Varied Training Regimen Does Not Affect Inhibitory Control
Alberto Failla, Y. You, J. Van der Kamp (Amsterdam)
44. Emotional facial expressions affect inhibitory control only when they are task-relevant
Luca Falciati, C. Mancini, C. Maioli, G. Mirabella (Brescia, Pozzilli)

45. The role of motor information and rational thinking in interpersonal coordination
Martina Fanghella, C. Colombo, M. Pascarelli, F. Guala, C. Sinigaglia
(Milano, Lucca)
46. Effects of Transcranial Direct Current Stimulation (tDCS) on visuospatial attention
Sarah Feroldi, A. Vergallito, E. Varoli, L. Del Mauro, M. Roviada, L. Romero Lauro (Milano, Palermo)
47. Interplay between emotion and decision-making: the role of gender
Eleonora Fiorenzato, P. Bisiacchi, G. Cona (Padova)
48. Delivering midfrontal theta-tACS to modulate intertemporal decision conflicts: an In-Principle-Accepted (IPA) Registered Report
Gabriele Fusco, M. Scandola (Roma)
49. Modulation of cue-guided choices by transcranial direct current stimulation
Sara Garofalo, S. Battaglia, F. Starita, G. di Pellegrino (Bologna)
50. Sex differences in repetition-based rule learning: a meta-analysis of fNIRS language studies
Jessica Gemignani, J. Gervain (Padova)

POSTERS

VENERDÌ 1 OTTOBRE 2021

13.00 – 14.30 SESSIONE POSTER 2

51. Gender differences in cognitive reserve: implication for Subjective Cognitive Decline in women
Giulia Giacomucci, S. Mazzeo, S. Padiglioni, J. Balestrini, S. Bagnoli, L. Bracco, B. Nacmias, S. Sorbi, V. Bessi (Firenze)
52. Linguistic task-induced changes in motor cortex excitability in Italian Sign Language (LIS) signers: preliminary data
Fabio Giovannelli, A. Borgheresi, G. Lucidi, M. Squitieri, A. Suppa, A. Berardelli, M. Viggiano, M. Cincotta (Firenze, Roma)
53. Brain networks in Alzheimer's Disease: a study of EEG resting-state functional connectivity
Fabrizio Guajana, V. Blandino, F. Graziano, E. Muscoso, T. Piccoli, G. Caravaglios (Palermo, Catania)
54. Electric field distribution in deep brain structures during transcranial direct current stimulation (tDCS) with cephalic and extracephalic montages: a computational study
Matteo Guidetti, F. Ragazzo, M. Dini, A. Averna, T. Bocci, A. Priori, A. Bianchi, M. Parazzini (Milano)
55. Motor resonance flexibility to emotion-enriched context in Parkinson's disease patients with and without freezing of gait
Giovanna Lagravinese, A. Botta, G. Bonassi, R. Marchese, E. Pelosin, L. Avanzino (Genova, Chiavari)
56. Deficits of hierarchical predictive coding in left spatial neglect
Stefano Lasaponara, M. Pinto, M. Pellegrino, F. Marson Assisi, M. Aiello, S. Campana, F. Tomaiuolo, F. Doricchi (Roma, Assisi, Trieste, Volterra, Messina)
57. Computerized modeling in food selectivity linked to smell, taste, temperature and consistency in people with autism spectrum disorder: a pilot study on video-modeling
Antonio Leo, L. Forchione, V. Ciccarese, S. Invitto (Lecce, Roma)

58. Avatar's ethnicity and gender modulate behavioral and physiological reactions to vicarious touch in immersive virtual reality
Matteo P. Lisi, M. Fusaro (Roma)
59. γ tACS boosts iTBS effects on natural frequency oscillations in dorsolateral prefrontal cortex
Michele Maiella, E. Casula, I. Borghi, A. Assogna, M. Pellicciari, A. D'Acunto, G. Koch (Roma, Ferrara)
60. Emotion recognition in faces wearing surgical mask
Natale Vincenzo Maiorana, M. Dini, M. Guidetti, M. Reitano, C. Paride, A. Priori, R. Ferrucci (Milano)
61. Loss of speech and functional impairment in Alzheimer's disease-related primary progressive aphasia: predictive factors of decline
Salvatore Mazzeo, C. Polito, S. Bagnoli, M. Mattei, S. Padiglioni, V. Berti, G. Lombardi, G. Giacomucci, M. De Cristofaro, E. Passeri, C. Ferrari, B. Nacmias, S. Sorbi, V. Bessi (Firenze)
62. Effect of individualized vs group-level target selection on reliability of network-targeted TMS
Arianna Menardi, R. Ozdemir, D. Momi, E. Tadayon, P. Boucher, A. Vallesi, A. Pascual-Leone, M. Shafi, E. Santarnecchi
(Padova, Boston, Chieti, Roslindale)
63. Local and distributed fMRI changes induced by 40Hz gamma tACS of the bilateral dorsolateral prefrontal cortex
Lucia Mencarelli, L. Monti, S. Romanella, F. Neri, G. Koch, S. Ricardo, G. Ruffini, G. Sprugnoli, S. Rossi, E. Santarnecchi (Roma, Boston, Siena, Barcelona, Ferrara)
64. Detection of spontaneous and posed dynamic emotional facial expressions using Time Frequency Analysis
Alessio Miolla, G. Melis, A. Maffei, C. Scarpazza (Padova)
65. Gut markers of bodily self-consciousness
Alessandro Monti, G. Porciello, M. S. Panasiti, S. M. Aglioti (Roma)
66. rTMS-induced long-lasting language improvements associated with resting state functional connectivity changes in Primary Progressive Aphasia
Francesco Neri, S. Romanella, M. Tomai Pitinca, S. Taddei, L. Monti, S. Benocci, E. Santarnecchi, S. Cappa, A. Cinti, C. Smeralda, A. Benelli, S. Rossi (Siena, Boston)

67. rTMS for the treatment of hearing loss in patients with wearable hearing aids
Francesco Neri, C. Cappello, L. Burzi, S. Romanella, A. Benelli, A. Cinti, S. Rossi, M. Mandalà (Siena)
68. Emotional training after facial nerve palsy: from theory to practice
Rossella Pagani, F. Gervasoni, S. Cupello, A. Previtera (Milano)
69. Small world architecture and memory performance in cognitive decline: an eeg study
Chiara Pappalettera, F. Miraglia, D. Quaranta, C. Marra, P. Rossini, F. Vecchio (Roma)
70. Waving together single pulse intracranial electrical stimulation with concurrent stereo EEG and scalp hd-EEG recording
Sara Parmigiani, S. Russo, E. Mikulan, F. Zauli, A. Rubino, A. Cattani, M. Fecchio, J. Favaro, I. Sartori, P. d'Orio, J. Lanzone, M. Massimini, A. Pigorini (Milano, Boston, Padova, Roma)
71. Functional shifting of cortical oscillatory dynamics in the motor recovery after stroke: a TMS-EEG study
Maria Concetta Pellicciari, S. Bonni, M. Maiella, L. Mencarelli, E. Casula, C. Caltagirone, G. Koch (Roma, Ferrara)
72. Knocking at the brain's door: a direct measure of brain excitability in Alternating Hemiplegia of Childhood
Marco Perulli, D. Jimenez-Jimenez, S. D'Ambrosio, K. Silvennoinen, S. Zagaglia, S. Sisodiya, S. Balestrini (Roma, Londra, Milano, Kuopio, Firenze)
73. Attentional processing of body images in patients with anorexia nervosa: a Contingent Negative Variation study
Alessia Petritis, D. Mannarelli, C. Pauletti, A. Maffucci, N. Locuratolo, I. Taddei, M. Caredda, F. Fattapposta (Roma)
74. Non-invasive associative plasticity induction between PMv and M1: a TMS-EEG study
Valentina Pezzopane, D. Spampinato, M. Assogna, G. Koch (Roma, Ferrara)
75. Inhibitory control in food-related motor task
Silvia Picazio, V. Bianco, G. Koch (Roma, Udine, Ferrara)

76. The effects of olfactory stimulation in patients with acquired brain injury
Giulia Piccinini, R. Fiori, C. Pazzaglia, L. Padua (Roma)
77. Enhancement of executive functions induced by Transcutaneous Spinal Direct Current Stimulation (tsDCS) in Alzheimer's Disease: a double-blind randomized clinical trial
Francesca Pisano, C. Caltagirone, F. Satriano, R. Perri, L. Fadda, P. Marangolo (Napoli, Roma)
78. Live effects of anodal and cathodal transcranial Direct Current Stimulation (tDCS) on glucose metabolism in a patient with chronic hemorrhagic stroke: a FDG-PET study
Giuseppe Reale, A. Fusco, F. Cocciolillo, V. Amoruso, D. Glorioso, L. Castelli, M. Calcagni, L. Padua (Roma)
79. Tracking the effects of transcranial direct current stimulation (tDCS) on cortical excitability by means of TMS-EEG
Leonor Josefina Romero Lauro, E. Varoli, A. Vergallito, A. Pisoni, L. Del Mauro, G. Mattavelli, G. Vallar (Milano, Palermo, Pavia)
80. Spatiotemporal Specificity of TMS-evoked Potentials versus Sensory Evoked Potentials
Mario Rosanova, M. Fecchio, S. Russo, S. Parmigiani, A. Mazza, A. Viganò, A. G. Casali, R. Comolatti, E. Mikulan, M. Colombo, S. D'Ambrosio, S. Casarotto, S. Sarasso, M. Massimini (Milano, Boston, San Paolo)
81. Somatosensory down-regulation following the rubber hand illusion: a predictive coding account
Alice Rossi Sebastiano, S. Gualtiero, K. Poles, I. Ronga, C. Fossataro, F. Garbarini (Torino)
82. Indicaxanthin is able to modulate human motor cortical excitability and plasticity
Rosaria Ruggirello, B. Puccio, G. Gambino, M. Allegra, P. Sardo, G. Ferraro, F. Brighina, G. Giglia (Palermo)
83. TMS Adaptable Auditory Control: a universal tool to mask TMS click
Simone Russo, S. Sarasso, A. Pigorini, G. Puglisi, D. Dal Palù, A. Astolfi, M. Massimini, M. Rosanova, M. Fecchio (Milano, Torino)

84. The neurophysiology of mutual support when sharing a goal
Lucia Maria Sacheli, M. Musco, E. Zazzera, G. Banfi, E. Paulesu (Milano)
85. Spinal cord simulation in the treatment of neuropathic pain: how to determine its effectiveness
Ferdinando Sartucci (Pisa)
86. Differences in Spatial navigation and spatial memory in athletes and non-athletes: a pilot task on spatial-olfactory navigation
Tonia Serio, M. Salonna, F. Fancello, G. Accogli, M. Leucci, D. Lankford, S. Invitto (Lecce)
87. Vision and hearing share a common representation in STS despite the lack of multisensory experience
Francesca Setti, G. Handjaras, A. Leo, M. Diano, V. Bruno, C. Tinti, L. Cecchetti, D. Bottari, F. Garbarini, P. Pietrini, E. Ricciardi (Lucca, Pisa, Torino)
88. Dissociating the roles of the motor cortex and cerebellum in muscle pattern organization
Danny Adrian Spampinato, D. Berger, A. D'Avella, G. Koch (Roma, Ferrara)
89. Fear in action: how Pavlovian acquired fear shapes the control of voluntary movement
Francesca Starita, S. Garofalo, L. Degni, D. Dalbagno, G. Di Pellegrino (Bologna)
90. Facial kinematics of genuine and simulated fear
Elisa Straulino, A. Miolla, C. Scarpazza, L. Sartori (Padova)
91. Age-Related Neural Changes of Inter- and Intra-Hemispheric EEG Activity in Visuo-Spatial Working Memory
Chiara Tagliabue, G. Varesio, V. Mazza (Trento)
92. A tractography-guided TMS of the cortical origins of the frontal aslant tract (FAT)
Marco Tagliaferri, D. Giampiccolo, P. Avesani, G. Amorosino, E. Pierotti, L. Turella, S. Parmigiani, L. Cattaneo (Trento, Verona, Milano)
93. Decision-making along the autism continuum: behavioural and electrophysiological evidence
Luca Tarasi, G. Di Pellegrino, V. Romei (Cesena, Bologna)

94. Impairment of Temporal Binding Window in Migraine Patients
Marta Tigano, M. Gangitano, N. Bolognini, G. Gambino, P. Sardo, F. Brighina, G. Giglia (Palermo)
95. Prestimulus alpha frequency and amplitude predict the generation of P1 latency and P3 evoked response amplitude
Jelena Trajkovic, F. Di Gregorio, G. Thut, V. Romei
(Bologna, Glasgow, Cesena)
96. The role of cognitive inhibition in the autonomic responses to pain induction: an empirical study
Giovanna Troisi, M. Casagrande, F. Favieri, G. Forte (Roma)
97. Plasticity induction in visuo-motor chains through state-dependent cortico-cortical paired associative stimulation (ccPAS) over premotor-motor networks
Sonia Turrini, F. Fiori, V. Romei, A. Avenanti (Bologna, Roma, Cesena)
98. Changes in interoception and well-being during the quarantine for the Covid-19 pandemic
Alisha Vabba, G. Porciello, A. Monti, M. Panasiti (Roma)
99. ERP indicators of Self-Pain and Other-Pain Reductions to Placebo Analgesia Responding: The Moderating Role of the Fight-Flight-Freeze System
Arianna Vecchio, V. De Pascalis (Roma)
100. Diverse approaches to action predictions: novel neurofunctional insights
Chiara Verga, M. Musco, G. Tomaseig, E. Paulesu, L. Sacheli (Roma, Milano)
101. Neurophysiological and Cognitive Basis of the Self-Mirroring Technique: explicit and implicit measures of seeing own vs. others emotional expressions
Alessandra Vergallito, G. Mattavelli, E. Lo Gerfo, S. Anzani, V. Rovagnati, M. Speciale, P. Vinai, P. Vinai, L. Vinai, L. Romero Lauro
(Milano, Pavia, Palermo, Chieti, Monthey, Mondovi)
102. Attention modulates Functional Connectivity in Prospective Memory: Insights from a MEG study
Stefano Vicentin, G. Ceylan (Padova)

INFORMAZIONI GENERALI

SEDE CONGRESSUALE

Aula Magna Vincenzo Li Donni
Via delle Scienze ED. 13
Università degli Studi di Palermo
Palermo

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ISCRIZIONE

La pre-iscrizione si effettuerà online tramite il sito web www.sipf.it

Si ricorda che per partecipare ai lavori è assolutamente necessario risultare preventivamente iscritti al congresso. Coloro che risulteranno correttamente iscritti all'evento, riceveranno e-mail di conferma entro il **27 settembre 2021**.

L'iscrizione al congresso dà diritto alla partecipazione ai lavori, al materiale congressuale, all'attestato di partecipazione e alle consumazioni.

Tipologia Iscrizione	Registrazione entro 31.08.2021	Registrazione dopo 31.08.2021 fino al 22.09.2021
Soci SIPF	€ 250,00	€ 310,00
Nuovi soci SIPF Registrazione al congresso + quota annuale di iscrizione	€ 230,00	€ 290,00
Soci SIPF Junior (specializzandi/dottorandi fino a 35 anni)	€ 140,00	€ 180,00
Nuovi SIPF Junior (specializzandi/dottorandi fino a 35 anni) Registrazione al congresso + quota annuale di iscrizione	€ 170,00	€ 200,00
Non Soci SIPF	€ 310,00	€ 370,00
Non Soci SIPF Junior (specializzandi/dottorandi fino a 35 anni)	€ 200,00	€ 250,00
Studenti (iscritti corsi laurea magistrale/triennale)	€ 90,00	€ 120,00

Le quote di iscrizione sono inclusive di iva 22%.

RESPONSABILE SCIENTIFICO

Massimiliano Valeriani

OBIETTIVO FORMATIVO

Documentazione clinica. Percorsi clinico-assistenziali, diagnostici e riabilitativi.
Profili di assistenza. Profili di cura

ECM CONGRESSO

L'evento è stato accreditato per la Formazione Continua in Medicina e ha ottenuto 21 crediti formativi.

Le figure professionali accreditate sono:

- Medici Specialisti in Neurofisiopatologia, Neurologia, Neuropsichiatria Infantile, Neurochirurgia, Psichiatria;
- Psicologo, Fisioterapista, Logopedista;
- Tecnici di Neurofisiopatologia

CREDITI FORMATIVI

Si ricorda che per poter ottenere i crediti formativi la presenza minima all'evento deve essere del 90% delle ore formative totali; si ricorda inoltre che il superamento del quiz ECM si ottiene con il 75% di risposte valide.

BADGE

I badges dovranno essere ritirati presso la segreteria congressuale che sarà aperta 30 minuti prima dell'inizio dell'evento.

Si raccomanda ai partecipanti di indossare il proprio badge durante tutta la durata dei lavori.

ATTESTATO DI PARTECIPAZIONE

L'attestato di partecipazione sarà rilasciato al termine dei lavori, presso la segreteria congressuale a tutti i partecipanti regolarmente presenti.

ASSICURAZIONE

La partecipazione all'evento non implica alcuna responsabilità da parte della segreteria scientifica e organizzativa per qualsivoglia incidente, danni personali o materiali o furti subiti dal partecipante durante la manifestazione.

AVVISI

Si ricorda che è tassativamente vietato fumare nell'area congressuale e che tutti i partecipanti sono caldamente invitati a tenere i cellulari in modalità silenziosa all'interno delle aule dove si svolgono i lavori.

Si pregano inoltre tutti i partecipanti di osservare tassativamente le procedure anti Covid messe in atto dagli organizzatori.

Il Comitato Organizzatore, stante la situazione pandemica attualmente in corso, si riserva di modificare la modalità di erogazione dell'evento.

Tutti gli aggiornamenti saranno prontamente comunicati e pubblicati sul sito www.sipf.it

NOTE

NOTE

Handwriting practice area consisting of 20 horizontal dotted lines.

NOTE

A series of horizontal dotted lines for writing notes, spanning the width of the page.



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