

# XXV CONGRESSO DELLA SOCIETÀ ITALIANA DI PSICOFISIOLOGIA E NEUROSCIENZE COGNITIVE

**16 - 18 novembre 2017**  
**Auditorium San Paolo**  
Ospedale Pediatrico  
Bambino Gesù  
Roma



Bambino Gesù  
OSPEDALE PEDIATRICO

**MERCOLEDÌ 15 NOVEMBRE 2017**

**WORKSHOP PRECONGRESSUALE**

**COGNITIVE REHABILITATION**

Moderatori: **E. Ricciardi, G. Koch**

10.00 /  
10.45

**Where we are**

M. Mancuso

10.45 /  
11.30

**Brain training and brain biomarkers: Powerful tools in the quest for healthy ageing**

L. Cecchetti

11.30 /  
12.15

**Neuromodulation**

C. Miniussi

12.15 /  
13.00

**Ortheses and Wearable Extratheses**

D. Prattichizzo

13.00 /  
13.45

*Buffet lunch*

**MERCOLEDÌ 15 NOVEMBRE 2017**

**WORKSHOP PRECONGRESSUALE**

**SENSORIMOTOR REHABILITATION**

Moderatori: **S. Rossi, A. Quartarone**

14.30 /  
15.15

**Where we are**

M. Molinari

15.15 /  
16.00

**Cognitive-motor strategies**

A. D'Ausilio

16.00 /  
16.45

**Non invasive cerebral stimulation for treatment of learning disturbances**

D. Menghini

16.45 /  
17.30

**Robot assisted rehabilitation in children with Cerebral Palsy**

F. Frascarelli

17.30 /  
18.00

*Highlights, general discussion & conclusions*



## GIOVEDÌ 16 NOVEMBRE 2017

9.45 / 10.30

Apertura lavori e saluti delle autorità

### Simposio 1

#### OUR PROACTIVE BRAIN

Moderatori: F. Di Russo, A. Ragazzoni

10.30 / 11.00

Proactive brain in action: computational and neurophysiological mechanisms  
G. Pezzulo

11.00 / 11.30

Bayesian brain: dynamic changes of expectancy in the temporal preparation  
A. Visalli

11.30 / 12.00

Normative ERP data on proactive motor, cognitive and sensory cerebral control  
F. Di Russo

12.00 / 13.15

Comunicazioni Orali Libere 1  
Moderatori: C. Miniussi, M. Balconi

13.15 / 14.00

Buffet lunch

## GIOVEDÌ 16 NOVEMBRE 2017

### Simposio 2

#### MOTOR RESONANCE ACROSS THE LIFE SPAN

Moderatori: N. Bolognini, A. Avenanti

14.00 / 14.30

Motor resonance in the early infancy  
E. Quadrelli

14.30 / 15.00

Contextual modulation of action perception in children  
C. Urgesi

15.00 / 15.30

Action perception in the absence of body limbs  
A. Avenanti

15.30 / 16.00

Motor resonance in pathological aging  
L. Avanzino

16.00 / 16.15

Coffee break

16.15 / 17.45

Sessione Poster 1  
Moderatori: V. Betti, S. Invitto

18.00 / 18.45

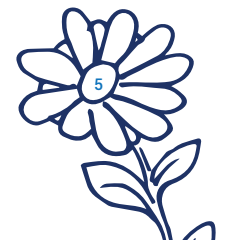
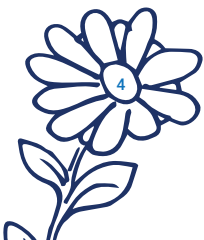
**Lettura Magistrale** - Maria Concetta Morrone  
Development and plasticity of visual cortical network in humans  
Introduce: E. Ricciardi

18.45 / 20.00

Welcome Cocktail

20.00

Chiusura lavori



## VENERDÌ 17 NOVEMBRE 2017

### Simposio 3

#### DISENTANGLING PERCEPTIVE AND AFFECTIVE COMPONENTS OF THE PAIN EXPERIENCE: ROLE OF NON-INVASIVE NEUROMODULATION

Moderatori: T. Bocci, M. Valeriani

9.00 / 9.30	Modulating the sensory and affective-emotional dimensions of nociceptive experience with tDCS	A. Priori
9.30 / 10.00	The cerebellum: a new, unexpected target for pain treatment	T. Bocci
10.00 / 10.30	Does rTMS modify the Pain Matrix?	C. Pazzaglia
10.30 / 10.45	<i>Coffee break</i>	

### Simposio 4

#### WHY NOT TO MEG IT: PROSPECTS OF MAGNETOENCEPHALOGRAPHY

Moderatori: M.De Tommaso, F. Piccione, G.Sorrentino

10.45 / 11.15	Magnetoencephalography in the study of brain dynamics	V. Pizzella
11.15 / 11.45	Neural synchrony and functional connectivity mechanisms of attention	D. Baldauf
11.45 / 12.15	From brain waves to brain images. MEG source localization, applications and pitfalls	G. Pellegrino

## VENERDÌ 17 NOVEMBRE 2017

12.25 / 13.00	<b>Letture Magistrali</b> - Paolo Maria Rossini Brain Connectivity: from physiology to diseases Introduce: S. Rossi
13.00 / 13.30	<i>Buffet lunch</i>
13.30 / 14.30	<i>Sessione Poster 2</i> Moderatori: S. Pro, L. Craighero
<b>Simposio 5</b>	
<b>BEYOND ACTION PERCEPTION: THE MOTOR SYSTEM IS NOT BLIND TO ME, YOU AND OUR RELATIONSHIP</b>	
Moderatori: L.M. Sachelì, G. Porciello	
14.30 / 15.00	Ideological and physical similarity influences contexts of social attention G. Porciello
15.00 / 15.30	When movements overwrite expectations: the role of context and kinematics in intention detection A. Cavallo
15.30 / 16.00	The dyadic motor plan: sensorimotor predictive simulation and its role in joint action L.M. Sachelì
16.00 / 16.15	<i>Coffee break</i>
16.15 / 17.00	<i>Sessione Poster 3</i> Moderatori: L. Mazzone, F. Sartucci
17.00 / 18.15	<i>Comunicazioni Orali Libere 2</i> Moderatori: L. Bonfiglio, A. Quartarone
18.15 / 19.00	<i>Assemblea dei soci</i>
19.00 / 20.00	<i>Premio SIPF - Introduce S. Rossi</i>

## SABATO 18 NOVEMBRE 2017

### Simposio 6

#### MEMORY AND EMOTIONS IN ANIMAL MODELS AND HUMAN DISEASES

Moderatori: M. Valeriani, G. Sacco

Con la collaborazione dell'Università LUMSA e del Consorzio Universitario Humanitas

8.45 / 9.15	Fear memory and threat devaluation: implications for treatment of traumatic-related disorders M. Costanzi
9.15 / 9.45	Memory in autistic children and adolescents G. Valeri
9.45 / 10.15	Cerebral networks underlying Recollection and Familiarity components in episodic memory: data from brain damaged patients and functional neuroimaging in healthy subjects G.A. Carlesimo
10.15 / 11.30	Comunicazioni Orali Libere 3 Moderatori: L. Cattaneo, F. Garbarini

## SABATO 18 NOVEMBRE 2017

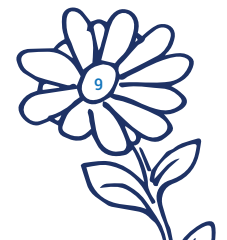
### Simposio 7

#### PSYCHOPHYSIOLOGICAL TECHNIQUES IN NEUROLOGICAL AND PSYCHIATRIC CONDITIONS OF CHILDHOOD

Moderatori: S. Vicari, F. Fattapposta

11.30 / 12.00	Pain processing in childhood migraine E. Vecchio
12.00 / 12.30	Psychophysiological findings in autism S. Pro
12.30 / 13.00	Functional neuroimaging in autism spectrum disorders L. Mazzone
13.00 / 13.30	Brain-Based treatment in behavior disorders of childhood and adolescence F. Costanzo
13.15 / 13.30	Presentazione Premio SIPF Junior - Introduce M. De Tommaso
13.30 / 14.00	Premiazione Giovani, Tesi Magistrale e Chiusura Congresso

CON IL CONTRIBUTO DI:



## PRESENTAZIONI ORALI

**GIOVEDÌ 16 NOVEMBRE 2017**

12.00 / 13.15

### COMUNICAZIONI ORALI LIBERE 1

Moderatori: **C. Miniussi, M. Balconi**

**M. Pyasik**

That's not my voluntary action: disrupting both veridical and illusory sense of agency by applying single pulse TMS over SMA

**A. Pisoni**

Activation of different neural populations by TMS orientation and pulse waveform manipulation: direct evidence from TMS-EEG

**S. Parmigiani**

Stimulation of the dorsal premotor cortex but not of the supplementary motor area impairs performance in a stop-signal task

**M. Emanuele**

Audio-visual cross-modal modulation of corticospinal motor synergies in professional piano players during musical stimuli: a TMS study

**G. Rossetini**

Placebo effect and focus of attention as a new strategy to modulate the motor performance

**L. Turella**

Across-time MEG decoding reveals the temporal organization of action encoding

**VENERDÌ 17 NOVEMBRE 2017**

17.00 / 18.15

### COMUNICAZIONI ORALI LIBERE 2

Moderatori: **L. Bonfiglio, A. Quartarone**

**E. Gentile**

The mutual relationship between movement and pain: a study by functional near-infrared spectroscopy and laser evoked potentials in normal subjects and fibromyalgia patients

**A. Bisio**

Feeling and observing movements: the interaction between kinesthetic illusion and action observation

**V. Fiori**

New frontiers in language recovery: Transcutaneous Spinal Direct Current Stimulation (tsDCS) in chronic post-stroke aphasia

**G. Pergola**

Co-expression of schizophrenia genes in the thalamus and prefrontal cortex is associated with thalamo-prefrontal connectivity during attentional control

**V. De Pascalis**

Extraversion and behavioural approach system in the stimulus analysis and motor response initiation

**V. Bruno**

ERP modulations associated with no-movement awareness: P300 and N400 changes after long-term limb immobilization during a Go/Nogo task

**SABATO 18 NOVEMBRE 2017**

**10.15 / 11.30**

**COMUNICAZIONI ORALI LIBERE 3**

Moderatori: **L. Cattaneo, F. Garbarini**

**C. M. Leone**

Nociceptive system evaluation in patients with non suicidal self-injury (NSSI): a neurophysiological study with quantitative sensory testing and laser evoked potentials. Preliminary results

**G. Coppola**

Cerebral grey matter density is reduced in chronic migraine patients: correlations with clinical features

**G. Liberati**

Are nociceptive gamma-band oscillations recorded from the human insula related to the activation of the spinothalamic tract?

**F. Vecchio**

Behavioral performance in a cognitive-motor task during learning processes in neurodegeneration: evidence from EEG network analysis

**E. Casula**

Motor cortex synchronization influences the rhythm of motor performance

**F. Di Lorenzo**

Impaired Spike Timing Dependent Cortico-Cortical Plasticity in Alzheimer's disease Patients Impaired Spike Timing D



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