

### List of Invited Speakers and Chairman

- Arena P. (ITA) - Engineer - University of Catania
- Aziz T. (UK) - Neurosurgeon - University of Oxford
- Broggi G. (ITA) - Neurosurgeon - Ist. Neurologico Besta Milano
- Brown P. (UK) - Neurophysiologist - Queen Square Hospital - London
- Caliandro P. (ITA) - Neurophysiologist - Catholic University Rome
- Cantore GP. (ITA) - Neurosurgeon - Neuromed Pozzilli (IS)
- Chabardes S.(FRA) - Neurosurgeon - University of Grenoble
- Coyne T. (AUS) - Neurosurgeon - University of Brizbane
- Crossman A.R. (UK) - Anatomist - University of Manchester
- De Carlo P. (ITA) - Dentistry - University of Rome I
- Di Lazzaro V. (ITA) - Neurophysiologist - Catholic University Rome
- Falise G. (ITA) - Dentistry - University of Rome I
- Franzini A. (ITA) - Neurosurgeon - Ist.Neurologico Besta Milano
- Garcia-Rill E. (USA) - Psychiatrist and Anatomist - University of Arkansas
- Gill S. (UK) - Neurosurgeon - Franchay Hospital Bristol
- Hammond C. (FRA) - Neurophysiologist - Université de la Méditerranée, Marseille
- Krames E. (USA) - Anesthetist - University of S Francisco
- Lozano A (CAN) - Neurosurgeon - Toronto Gen. Hospital
- Meglio M. (ITA) - Neurosurgeon - Catholic University Rome
- Muscato G. (ITA) - Engineer - University of Catania
- Nidal R. (JOR) - Neurosurgeon - Jordan Hospital Amman
- Paoloni M. (ITA) - Physiatrist - University of Rome I
- Piedimonte F. (ARG) - Neurosurgeon - University of Buenos Aires
- Pollak P. (FRA) - Neurologist - University of Grenoble
- Porta M (ITA) - Neurologist - Ospedale Galeazzi Milano
- Scarnati E.(ITA) - Physiologist - University of l'Aquila
- Scerrati M. (ITA ) - Neurosurgeon - University of Ancona
- Schweder P. (UK) - Neurosurgeon - University of Oxford
- Servello D. (ITA) - Neurosurgeon - Ospedale Galeazzi Milano
- Sposato S. (ITA) - Neuroradiologist - Ospedale Pertini Rome
- Stocchi F. (ITA) - Neurologist - IRCCS SRaffaele Rome
- Tonali P. (ITA) - Neurologist - Catholic University Rome
- Vissen - Vandewalle V. (BEL) - Neurosurgeon - University of Amsterdam
- Vilelha Flo. O. (BRA) - Neurosurgeon - University of Goiania
- Zrinzo L. (UK) - Neurosurgeon - Queen Square Hospital - London

### Scientific Committee

Dr. P. Mazzone - Azienda Sanitaria Roma C  
Dr. F. Viselli - Ospedale San Giovanni Battista Rome  
Dr. V. Gilestro - Ospedale San Giovanni Battista Rome  
Prof. V. Di Lazzaro - Università Cattolica Rome  
Prof. E. Scarnati - Università dell'Aquila  
Prof. P. Arena - Università di Catania  
Sig.ra G. Nardone - Ass. Italiana Parkinson Rome

### Organization

Azienda Sanitaria Roma C  
Associazione Cavalieri Italiani Sovrano Militare  
Ordine di Malta  
Università Cattolica Roma  
Università dell'Aquila - Dipartimento STB  
Università di Catania

### Honour Committee

Prof. G. Broggi - Ist. Neurologico "Besta" - Milano  
Prof. GP Cantore - Università di Roma - Neuromed Pozzilli  
Prof. F. Viselli - Ospedale San Giovanni Battista Rome  
Prof. M. Meglio - Università Cattolica Rome  
Prof. G. Muscato - Università di Catania  
Prof. P. Tonali - Università Cattolica Rome  
Prof. E. Scarnati - Università dell'Aquila

### With contribution of:

Renishaw Mayfield  
Dipartimento Scienze e Tecnologie Biomediche -  
Università dell'Aquila  
Medtronic  
Synthes  
CLS - Titanium, Forli (ITA)  
ACISMOM  
Acqua Ferrarelle

con il patrocinio di

- **DIPARTIMENTO SCIENZE E TECNOLOGIE BIOMEDICHE (STB) DELL'UNIVERSITÀ DELL'AQUILA**



- **SEZIONE DI NEUROCHIRURGIA FUNZIONALE E STEREOTASSICA DELLA SOCIETA' ITA. DI NEUROCHIRURGIA**

### SEGRETERIA ORGANIZZATIVA

Valeria Gilestro  
Ufficio Formazione e Congressi  
Ospedale San Giovanni Battista  
Via Luigi Ercole Morselli, 13  
00148 Roma  
Tel: 0665596226  
Fax: 0665596484  
e-mail: formazione@acismom.it

## PROGRAM



**ORDINE DI MALTA**  
ASSOCIAZIONE DEI CAVALIERI ITALIANI

**3<sup>rd</sup> International conference  
on the neurosurgery of the  
pedunclopontine tegmental  
nucleus (PPTg):  
new technologies and related  
implications**

**SAN GIOVANNI BATTISTA HOSPITAL  
VIA L. E. MORSELLI, 13 - Roma**

**May 5<sup>th</sup> - 7<sup>th</sup> 2010**



**Wednesday, May 5**  
**Palazzo del Grillo - Rome**

17.15 **Opening Ceremony:**  
Aim of the Congress and welcome  
Paolo Mazzone (ITA)

Main Invited Lectures:

17.30 A.R. Crossman (UK)  
Functional anatomy of movement disorders

18.15 C. Hammond (FRA)  
Mechanisms of DBS

19.00 G. Broggi (ITA)  
Old and new targets in Stereotactic Neurosurgery

19.45 Welcome cocktail & dinner  
Palazzo del Grillo - Roma

**Thursday, May 6**  
**San Giovanni Battista Hospital**

**1<sup>st</sup> session**

PPTg: New horizons for stereotactic neurosurgery  
Chairmen: G. Broggi (ITA), G.P. Cantore (ITA), E Krames (USA)

9.00 E. Scarnati (ITA)  
Functional properties of PPTg neurons

9.30 F. Stocchi (ITA)  
PPTg a new commitment for Neurologists: the effort of a change?

10.00 P. Brown (UK)  
LFP and PPTg DBS

10.30 **Lecture: Prof. E. Garcia-Rill (USA)**  
Non motor aspects of PPTg

11.10 coffee break

**2<sup>nd</sup> session**

Surgery of PPTg  
Chairmen: T. Aziz (UK), M. Scerrati (ITA,) A. Franzini (ITA)

11.30 T. Aziz (UK)  
DBS of PPTg in non human primates

12.00 **Lecture: A. Lozano (CAN)**  
PPTg surgery: from theoretical hypothesis to clinical application

12.30 S. Sposato (ITA)  
PPTg DBS: a different stereotactic neurosurgery?

13.00 **Discussant on PPTg DBS A. Franzini (ITA)**

13.15 -15.00 Lunch

**3<sup>rd</sup> session**

Neurology and Clinics of PPTg:  
Chairmen: A. Lozano (CAN), P. Tonali (ITA), F. Piedimonte (ARG)

15.00 V. Di Lazzaro (ITA)  
Discussant on Neurophysiology of PPTg

15.30 P. Pollak (FRA)  
STN versus PPTg: synergy or antagonism?

16.00 M. Paoloni  
Gait analysis and postural control during PPTg DBS

16.30 P. Caliendo (ITA)  
Surface EMG and PPTg DBS

17.00 C. Di Paolo - G. Falise (ITA)  
Oromandibular movements and PPTg DBS

coffee break

**4<sup>th</sup> session**

PPTg neurosurgery: personal experiences  
Chairmen: G. Broggi (ITA), F. Viselli (ITA)

17.15 P. Schweder (UK)  
Advanced Imaging and PPTg surgery

17.45 T. Coyne (AUS)  
Personal experience

18.15 S. Chabardes (FRA)  
Personal experience

18.35 L. Zrinzo (UK)  
Targeting the PPN: histological verification of radiological anatomy and clinical observations

Discussion

20.30 **Cocktail and Classic Recital:**  
Soprano - Akiko Taniguchi (JPN)  
Pianist - Maestro L. Marzagalia (ITA)

21.15 Gala Dinner  
Castello della Magliana - ACISMOM

**Friday, May 7**

**San Giovanni Battista Hospital**

**5<sup>th</sup> Session**

Robotics and Advances in Technology  
(with contribution of Renishaw Mayfield)

Chairmen: S. Gill (UK), M. Meglio (ITA)  
G. Muscato (ITA)

9.00 P. Arena (ITA)  
Experimental robotics

9.30 S. Gill (UK)  
Innovation in the neurosurgery operating room

10.00 R. Nidal (JOR)  
Ten years experience using the NeuroMate robot in our Neurosurgical practice

10.30 **Lecture: G. Muscato (ITA)**  
Surgical robotics: up to date coffee break

**6<sup>th</sup> Session**

Controversies in Gilles de la Tourette Syndrome

Chairmen: V. Vissen-Vandewalle (BEL), M.Porta (ITA), F.Piedimonte (ARG)

11.00 V. Vissen-Vandewalle (BEL)  
The classic targets

11.30 O. Vilelha Flo. (BRA)  
DBS of GPe in Gilles de la Tourette Syndrome

12.00 D. Servello (ITA)  
Long Term Experience of DBS Gilles de la Tourette Syndrome

12.30 Closing ceremony and lunch