

2010



5th International Meeting

# BRAINSTEM SOCIETY

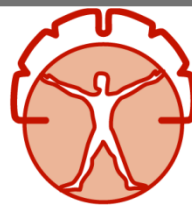
December 9-10, London

Location:

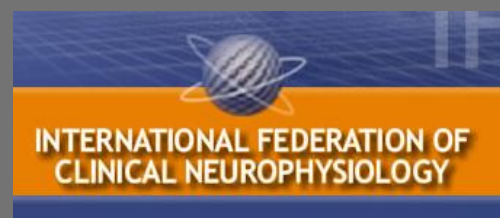
9th December, Basement lecture theatre,  
33 Queen Square

10th December, Wolfson lecture theatre,  
National Hospital for Neurology and  
Neurosurgery

Sponsorship by:



*The Movement Disorder Society*





## MEETING 2010, LONDON

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Thursday, 9<sup>th</sup> December  
Basement lecture theatre, 33 Queen Square

13.45 Welcome remarks  
John Rothwell, London

### ANATOMY AND PHYSIOLOGY

14.00 Functional anatomy of subcortical circuits issuing from or integrating at the brainstem.  
Alberto Prats, Barcelona

14.30 Responses in primate reticular formation to TMS over motor cortex  
Stuart Baker, Newcastle

15.00 The role of neurophysiology in the evaluation of brainstem circuits and functions.  
Josep Valls-Solé, Barcelona

15.30 Neurophysiology of arousal/sleep centers.  
Edgar Garcia-Rill, Arkansas

16.00 Supraspinal Locomotor centers (fMRI and PET studies)  
Thomas Brandt, Munich

16.30 Coffee break



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Thursday, 9<sup>th</sup> December  
Basement lecture theatre, 33 Queen Square

### STARTLE: PHYSIOLOGY AND PATHOPHYSIOLOGY

- 16.45 The startle reaction and voluntary movement.  
Anthony Carlsen, Vancouver
- 17.15 Intersensory facilitation. Neurophysiological and  
psychophysical evidence.  
Hans Colonius, Oldenburg
- 17.45 Neurophysiological studies of prepulse inhibition and its  
mechanisms.  
Michael Koch, Bremen
- 18.15 Effect of spinal cord injury and intrathecal baclofen on  
brainstem reflexes.  
Markus Kofler, Zirl
- 18.35 Onwards: posters and wine reception



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Friday, 10<sup>th</sup> December  
Wolfson lecture theatre, National Hospital for  
Neurology and Neurosurgery

### CLINICAL APPLICATIONS OF THE NEUROPHYSIOLOGICAL STUDY OF THE BRAINSTEM

- 08.00 Vertigo and eye movement disorders.  
Neurophysiological assessment.  
Adolfo Bronstein, London
- 08.30 Neurophysiological evaluation of vestibular function.  
James Colebatch, Sydney
- 09.00 The role of the brainstem and the cerebellum in tremor.  
Jan Raethjen, Kiel

#### *09.30 DISCUSSION PERIOD*

How does neurophysiology help in the investigation of:

1. –the various stages of facial palsy.  
Moderator: Josep Valls-Solé
2. –parkinsonisms presenting with eye movement abnormalities.  
Moderator: Adolfo Bronstein
3. –hemifacial spasm during posterior fossa intervention.  
Moderator: Isabel Fernández-Conejero

10.30 Coffee break



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### MOVEMENT DISORDERS DUE TO DYSFUNCTIONS IN SUBCORTICAL CIRCUITS

- 11.00 Neurophysiological studies on the relationship between basal ganglia and the brainstem.  
Mark Hallett, Bethesda
- 11.30 Recording and stimulating from deep brain electrodes in humans.  
Jonathan Dostrovsky, Toronto
- 12.00 Dystonia: neurophysiological evidence of cerebellar involvement?  
John Rothwell, London
- 12.30 Exaggerated startle reactions.  
Marina de Koning-Tijssen, Amsterdam
- 13.00 Differential diagnosis of supranuclear palsy.  
Huw Morris, Cardiff
- 13.30 General assembly and lunch



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### CRANIAL AND OROFACIAL PAIN

- 14.30 Neurophysiology of the descending inhibitory control of pain.  
The role of the brainstem.  
Jens Ellrich, Aalborg
- 15.00 What is new in neurophysiology of trigeminal neuralgia.  
Giorgio Cruccu, Rome
- 15.30 Pathophysiology of burning mouth syndrome.  
Satu Jääskeläinen, Turku
- 16.00 Coffee break
- 16.30 Pathophysiological models in migraine.  
Uwe Reuter, Berlin
- 17.00 Evidence-based data on the clinical effects of botulinum  
toxin in the treatment of cranial nerve disorders.  
Peter Moore, Manchester
- 17.30 Neurophysiological changes related to the botulinum toxin  
treatment.  
Pablo Mir, Seville
- 18.00 End of the meeting.