

Brainstem Society (Multi-Day)

Tuesday, May 1, 2018 Time: 8:00 – 17:00

Co-Directors: Mark Hallett (USA) & Josep Valls-Solé (Spain)

08.00 – 08:15 Opening of the meeting

Mark Hallett (USA)

Eye and eyelid movements

Chairs: Mark Hallett / Lo Bour

08.15 – 08:45 Spontaneous, voluntary and reflex blinking in clinical practice

Josep Valls-Solé (Spain)

08:45 – 09:15 Basics of ocular motor control by the brainstem

David Zee (USA)

09:15 – 09:45 Eye movement disorders due to brainstem dysfunctions

Daniel Gold (USA)

09.45 – 10:00 Break

Respiration and Sleep

Chairs: Markus Kofler / Jens Ellrich

10:00 – 10:30 Functional anatomy, mechanisms of respiration

Jeff C Smith (USA)

10:30 – 11:00 Disorders of respiration during sleep

Nancy Foldvary-Schaefer (USA)

Pain

11:00 – 11:30 Facial pain syndromes. Differential diagnoses

Satu Jääskeläinen (Finland)

11:30 – 12:00 Brainstem and the control of pain. Periaqueductal grey matter

Andrea Truini (Italy)

12:00 – 13:30 Lunch break and poster viewing

Vestibular system

Chairs: Josep Valls-Solé / Andrea Truini

13:30 – 14:00 Brainstem and cerebellum control of balance and equilibrium

John Rothwell (UK)

14:00 – 14:30 How to study vestibular nuclei. cvEMP and ovEMP

James Colebatch (Australia)

14:30 – 15:00 Coffee

Other brainstem functions

15:00 – 15:30 Startle and the StartReact effect. Physiological mechanisms

15:30 – 16:00 Autonomic dysfunction. Vagal nerve disorders

Anthony Carlsen (Canada)

Lucy Norcliffe-Kaufmann (USA)

Non-invasive therapy-oriented stimulation of cranial nerves

16:00 – 16:30 State of the art in vagus nerve stimulation

16:30 – 17:00 State of the art in trigeminal nerve stimulation

Jens Ellrich (Germany)

Ian Cook (USA)

17.00 Assembly

Brainstem Society (Multi-Day)

Thursday, May 3, 2018 Time: 07:00– 10:30

Co-Directors: Mark Hallett (USA) & Josep Valls-Solé (Spain)

Focus on the pedunculo-pontine nucleus

Chairs: John Rothwell / Satu Jaaskelainen

07:00 Welcome

07:15 – 07:45 Anatomy of the reticular formation and the PPN

07:45 – 08:15 Functions of the PPN

08:15 – 08:45 Prepulse inhibition

08:45 – 09:00 Break

08:45 – 09:15 The PPN and freezing of gait

09:15 – 09:45 PPN DBS. Indications and potential secondary effects

09:45 – 10:25 Discussion

10:25 – 10:30 Final remarks Mark Hallett (USA)

Clif Saper (USA)

E Garcia-Rill (USA)

Markus Kofler (Austria)

Jorik Nonnekes (Netherlands)

Andres Lozano (Canada)