




**PRE-CONGRESS SYMPOSIUM**  
**2nd European Paediatric Neurology Society International Satellite Symposium**  
**on Advances in Neuromodulation in children: Neuronal Networks, Neurophysiology and Neuroplasticity**

**Monday June 19**

08:00 - 09:00	<b>Badge pick-up and registration</b>	
09:00 - 09:15	<b>Welcome</b> Jean-Pierre Lin (UK)	
09:15 - 10:45	<b>DEVELOPMENTAL NEUROBIOLOGY OF MOVEMENT: PHYSIOLOGY AND PATHOPHYSIOLOGY OF CEREBELLUM AND THALAMUS</b> Chairs: Jean-Pierre Lin (UK), Maja Lahtinen (Finland)	
09:15 - 10:00	<b>Cerebellar functions and connections</b> Deborah Sival (Netherlands)	
10:00 - 10:45	<b>Thalamic networks: evolution, embryology and function</b> Zoltan Molnar (UK)	
10:45 - 11:15	<i>Coffee Break</i>	
11:15 - 12:45	<b>BASAL GANGLIA PHYSIOLOGY AND PATHOPHYSIOLOGY</b> Chairs: John Rothwell (UK), Deborah Sival (Netherlands)	
11:15 - 12:00	<b>Basal Ganglia embryology and development: structure and function beyond the 'brake' and the 'clutch'</b> Pierre Burbaud (France)	
12:00 - 12:45	<b>Aetiology of dystonia and Globus Pallidus microelectrode recording during DBS surgery for childhood dystonias</b> Verity McClelland (UK)	
13:00 - 14:00	<b>Lunch symposium: Innovations in neuromodulation</b> Boston Scientific (USA)	
14:00 - 15:30	<b>DEVELOPMENTAL AND PATHOPHYSIOLOGICAL MOVEMENTS AND POSTURES</b> Chairs: Pierre Burbaud (France), Deborah Sival (Netherlands)	
14:00 - 14:30	<b>'Motor' Babble': Phylogenetic, Ontogenetic and Pathological Postures and Movements</b> Jean-Pierre Lin (UK)	
14:30 - 15:00	<b>Random and patterned pathological postures and movements in children</b> Terence Sanger (USA)	
15:00 - 15:30	<b>Goal-directed and Habitual Functions: a journey through time</b> Peter Redgrave (UK)	
15:30 - 16:00	<i>Coffee Break</i>	
16:00 - 17:30	<b>NEUROPHYSIOLOGICAL ASSESSMENTS FOR DBS NEUROMODULATION</b> Chairs: Diane Ruge (Germany), Terence Sanger (USA)	
16:00 - 16:45	<b>Measuring cerebral plasticity in the developing brain</b> Angelo Quartarone (Italy)	
16:45 - 17:30	<b>Can motor and sensory potentials stratify prognosis for DBS for dystonia in children?</b> Verity McClelland (UK)	
17:30 - 19:00	<b>DBS FOR COMPLEX ACQUIRED DYSTONIAS AND NEUROPROTECTION</b> Chairs: Kristina Tedroff (Sweden), Warren Marks (USA)	
17:30 - 18:15	<b>Towards a reappraisal of Status Dystonicus: from neuronal networks and neuromodulation perspectives</b> Laura Cif (France)	
18:15 - 19:00	<b>Is neuromodulation neuroprotective?</b> Keyoumars Ashkan (UK)	

**PRE-CONGRESS SYMPOSIUM**  
**2nd European Paediatric Neurology Society International Satellite Symposium**  
**on Advances in Neuromodulation in children: Neuronal Networks, Neurophysiology and Neuroplasticity**

**Tuesday June 20**

08:00 - 09:30	<b>CRITICAL DEVELOPMENTAL WINDOWS FOR AUDITORY PROCESSING, LANGUAGE AND COMMUNICATION AND EVOLUTION OF AUDITORY CORTEX AND OTHER FUNCTIONS</b> Chairs: Deborah Sival (Netherlands), Fabian Klostermann (Germany)
08:00 - 08:45	<b>Vertebrate brains and evolutionary connectomics: Thalamo-cortical inputs and critical and sensitive windows of plasticity in the developing brain</b> Zoltan Molnar (UK)
08:45 - 09:30	<b>Neurolinguistics and the impact of movement disorders</b> Serge Pinto (France)
09:30 - 10:45	<b>FEEDING, SPEECH, LANGUAGE AND COMMUNICATION AFTER DBS NEUROMODULATION FOR DYSTONIA AND PARKINSONISM</b> Chairs: Kristina Tedroff (Sweden), Serge Pinto (France)
09:30 - 10:00	<b>The Complex Motor Disorders Service experience of speech and oral feeding following DBS surgery</b> Lesley Baker (UK)
10:00 - 10:45	<b>Effects of thalamic and basal ganglia Deep Brain Stimulation on language-related functions</b> <b>Conceptual and Clinical Considerations</b> Fabian Klostermann (Germany)
10:45 - 11:15	<i>Coffee Break</i> 
11:15 - 13:15	<b>CORTICAL MAPPING AND CEREBRAL PLASTICITY AFTER DBS NEUROMODULATION</b> Chairs: Laura Cif (France), Pierre Burbaud (France)
11:15 - 12:00	<b>DBS-evoked potentials in adult dystonias</b> John Rothwell (UK)
12:00 - 12:30	<b>Depth Electrode Recording to identify targets for DBS in secondary dystonia</b> Terence Sanger (USA)
12:30 - 13:15	<b>DBS-induced cerebral dependence and plasticity: lessons from switching off</b> Diane Ruge (Germany)
13:30 - 14:30	<b>Lunch Symposium - Innovations in neuromodulation</b> Medtronic (USA) 
14:30 - 15:45	<b>COGNITION AND COGNITIVE ORIENTATION AFTER DBS NEUROMODULATION FOR DYSTONIA</b> Chairs: Kristina Tedroff (Sweden), John Rothwell (UK)
14:30 - 15:00	<b>Cognitive functioning before and after DBS in children with primary and secondary dystonias</b> Sarah Rudebeck (UK)
15:00 - 15:45	<b>Driving Activity and Participation with COOP delivered after DBS in children and young people</b> Hortensia Gimeno (UK)
15:45 - 16:15	<i>Coffee Break</i> 
16:15 - 17:15	<b>WHAT SHOULD WE TELL THE PARENTS AND CHILDREN ABOUT DBS NEUROMODULATION FOR CHILDREN?</b> Chairs: Laura Cif (France), Maja Lahtinen (Finland)
16:15 - 16:45	<b>What parents think and feel about decision-making for DBS</b> Sarah Rudebeck (UK)
16:45 - 17:15	<b>Safety and Complications of DBS in children with dystonia</b> Margaret Kaminska (UK)
17:15 - 18:30	<b>STARTING A DBS SERVICE FOR CHILDREN AND COLLECTING DATA</b> Chairs: Keyoumars Ashkan (UK), Anne Koy (Germany)
17:15 - 17:35	<b>Starting a DBS Service for children: Neurological considerations</b> Nathalie Dorison (France)
17:35 - 17:55	<b>Starting a DBS Service for children: Neurosurgical considerations</b> Maja Lahtinen (Finland)
17:55 - 18:25	<b>Progress with the PediDBS International Registry: Trials and tribulations</b> Warren Marks (USA)
18:25 - 18:30	<b>Closing remarks</b> Jean-Pierre Lin (UK)