

44th BPNA Annual Scientific Meeting
 King's College London, Waterloo Campus
 Franklin-Wilkins Building, 150 Stamford Street, London, SE1 9NH
 3 - 5 January 2018
 Programme

Wednesday 3 January 2018	
09.30 - 11.00	Special Interest Groups & Clinical Research Networks (members only)
10.00 - 11.00	Registration with tea & coffee
11.00 - 11.30	<p>Keynote lecture: Dr Charlie Fairhurst, Consultant in Paediatric Neurodisability, Evelina Children's Hospital, London</p> <p>'Cerebral Palsy NICE Guideline Development'</p> <p><i>Chair: Dr Jean- Pierre Lin</i></p>
11.30 - 12.45	<p>Clinical Practice Hot Topics & Controversies (parallel sessions)</p> <p>1. Delivering hyperacute therapy for childhood stroke</p> <ul style="list-style-type: none"> • Dr Adam Rennie, Consultant Interventional Neuroradiologist, Great Ormond Street Hospital • Dr Vijeya Ganesan Consultant Paediatric Neurologist, Great Ormond Street Hospital & Senior Lecturer, ICH-University College London • Dr Dipak Ram, Consultant paediatric Neurologist, Manchester Children's Hospital • Dr Karen Pysden, Consultant Paediatric Neurologist, Leeds Teaching Hospital <p><i>Chair: Dr Elizabeth Wraige</i></p> <p>2. Psychology & Psychiatry: The role of neuropsychology</p> <ul style="list-style-type: none"> • Dr Isabel Garrod, Lead Clinical Paediatric Neuropsychologist, ELCH. • Dr Suzanna Watson, Paediatric Neuropsychology, Consultant Clinical Psychologist and Lead for Paediatric Neuropsychology at Cambridge University Hospital and CPFT • Dr Ingram Wright, Consultant Paediatric Neuropsychologist and Head of Neuropsychology at University Hospitals Bristol NHS Trust. <p><i>Chair: Professor Hillary Cass</i></p> <p>3. Neurodisability: Childhood Sleep disorders: clinical pathway and management strategies</p> <ul style="list-style-type: none"> • Dr Desaline Joseph, Consultant in paediatric sleep medicine, Evelina Children's Hospital, London • Dr Charlie Tyack, Clinical Psychologist, Evelina Children's Hospital, London • Kirandeep Van Den Eshof, Clinical Neuropsychologist, Evelina Children's Hospital, London <p><i>Chair: Professor Paul Gringras/ Dr Jess Turnbull</i></p> <p>4. Interventional Neurology: Advances in neuromodulation in children</p> <ul style="list-style-type: none"> • Dr Anne Wright, Children's Bladder and Bowel Consultant, Guys & St Thomas' Hospital, London • Dr David Pang, Consultant, Guys and St Thomas' Hospital, London • Dr Sophia Varadkar, Consultant Paediatric Neurologist, Great Ormond Street Hospital, London <p><i>Chair: Dr Jill Cadwgan</i></p>

12.45 – 13.15	<p>Keynote lecture: Professor Declan Murphy, Chair of Psychiatry, Director of Sackler Institute for Translational Neurodevelopment</p> <p>'Can we reverse the biology of autism?'</p> <p><i>Chair: Dr Michael Absoud</i></p>	
13.15 - 14.30	Lunch	
13.30 - 14.15	Sponsored symposium (Room B5): BioMarin	
14.30 - 16.00	<p>Parallel oral presentations</p> <ul style="list-style-type: none"> • Session 1 (Room B5): Epilepsy • Session 2 (Room 1.16): Metabolic • Session 3 (Room 1.13): Miscellaneous <p>E-posters</p> <ul style="list-style-type: none"> • Session 1: (Room 2.80) • Session 2: (Room 2.81) 	
16.00 - 16.30	Tea and coffee break	
16.30 - 17.00	<p>Keynote Lecture: Professor Alexander Hammers, Head of the PET Centre, Chair of Imaging and Neuroscience & Interim Head of School, School of Biomedical Engineering & Imaging Sciences, King's College London, St Thomas' Hospital, London</p> <p>'New perspectives on Positron Emission Tomography (PET) imaging in children'</p>	
17.00 - 18.00	Plenary Oral Presentations Session 4 (Room B5):	
17.00 - 17.15	Impaired development of the cerebral cortex in infants with congenital heart disease is correlated to reduced cerebral oxygen delivery	CJ Kelly *
17.15 - 17.30	Nusinersen demonstrates greater efficacy in infants with shorter disease duration: end of study results from the ENDEAR study in infants with spinal muscular atrophy (SMA)	W Farwell
17.30 - 17.45	New biological concepts of sodium channel neurodevelopmental disorders: findings from large patient cohorts and their relevance in clinical practice	A Brunklaus
17.45 - 18.00	Cannabidiol (CBD) Significantly Reduces Drop-Seizure Frequency in Lennox-Gastaut Syndrome (LGS): Pooled Efficacy and Safety Results from Two Randomized Controlled Trials	S Zuberi
18.00 – 18.15	BPNA / Action Medical Research Fellowship	
18.15 – 19.00	<p>MacKeith Prize Lecture: Dr Yael Hacohen, NIHR Clinical Lecturer University College London and Great Ormond Street Hospital.</p> <p>'Antibody biomarkers of CNS neurological disorders in children'</p>	
19.15 – 20.30	Welcome Reception – Great Hall, King's College London, Strand, London WC2R 2LS	

Thursday 4 January 2018		
08.30 – 10.00	BPNA Annual General Meeting (open to members of the Association)	
10.00 – 11.00	Plenary Oral Presentations Session 5 (Room B5):	
10.00 - 10.15	A randomized, double-blind, parallel group, placebo-controlled trial of metformin in tuberous sclerosis complex	S Amin *
10.15 – 10.30	Safety and cognitive development effects of rufinamide in paediatric patients with Lennox-Gastaut syndrome (LGS): Study 303 final results	A Arzimanoglou
10.30 – 10.45	DBS Neuromodulation reduces dystonic pain in children and young people	JP Lin
10.45 – 11.00	The first fifty patients in the EPIPEG study - a study of infantile epilepsy in the South-East of England	K Vezyroglou *
11.00 – 11.30	Keynote Lecture: Professor Richard Selway, Consultant in Functional Neurosurgery, King's College Hospital, London 'Neuromodulation surgery in children'	
11.30 – 12.45	Clinical Practice Hot Topics & Controversies (parallel sessions) <ol style="list-style-type: none"> 1. Acute neurology: Clinical progress in neuroinflammation <ul style="list-style-type: none"> • Dr Ming Lim, Paediatric Neurologist, Evelina Children's Hospital • Dr Yael Hacohen, NIHR Clinical Lecturer University College London and Great Ormond Street Hospital. • Dr Evangeline Wassmer, Birmingham Children's Hospital <i>Chair: Dr Rachel Kneen</i> 2. Psychology & Psychiatry: Childhood and adolescent neuropsychiatric disorders <ul style="list-style-type: none"> • Dr Andrea Danese, Clinical Senior Lecturer, King's College London • Dr Ben Baig, King's College London • Dr Osman Malik, Specialist Registrar in Child & Adult Psychiatry, Great Ormond Street Hospital, London • Dr Duncan Harding, Locum Consultant in Child & Adolescent and Forensic Psychiatry, SLAM, Visiting Lecturer in Child and Adolescent Psychiatry, IoPPN <i>Chairs: Dr Daniel Lumsden</i> 3. Neurodisability: Personalised Management of Early Infantile Epileptic Encephalopathies <ul style="list-style-type: none"> • Dr Elaine Hughes, Consultant Paediatric Neurologist, King's College Hospital and Evelina London Children's Hospital • Professor Deb Pal, Professor of Paediatric Epilepsy, King's College London and Honorary Consultant Paediatric Neurologist, King's Health Partners • Dr Sushma Goyal, Consultant Paediatric Clinical Neurophysiologist, King's College Hospital and Evelina London Children's Hospital <i>Chair: Dr Ruth Williams</i> 4. Interventional neurology: Transcranial Magnetic Stimulation (TMS) demonstrations, assessments and therapeutic uses <ul style="list-style-type: none"> • Dr Anna Basu, Consultant Paediatric Neurologist, Great North Children's Hospital, Newcastle Upon Tyne • Dr Verity McClelland, Consultant In Clinical Neurophysiology, King's College London • Dr Antonio Valentin, Clinical Lecturer, King's College London <i>Chair: Professor Laura Silveira Moryama</i> 	

12.45 – 13.15	<p>Keynote lecture: Dr Karine Lascelles, Consultant Paediatric Neurologist, Evelina Children's Hospital and National Neurofibromatosis Service, Guys and St Thomas' NHS Foundation Trust, London</p> <p>&</p> <p>Professor Darren Hargrave, Professor of Paediatric Neuro-oncology, Great Ormond Street Hospital, London</p> <p>'Exciting new therapeutic developments in children with complex NF1'</p>
13.15 – 14.30	Lunch
13.30 - 14.15	Sponsored Symposium (Room B5): BioGen
13.45 – 14.30	Trainees' Meeting
14.30 – 16.00	<p>Parallel oral presentations</p> <ul style="list-style-type: none"> • Session 6 (Room B5): Cerebrovascular • Session 7 (Room 1.16): Psychological • Session 8 (Room 1.13): Neuromuscular <p>E-posters</p> <ul style="list-style-type: none"> • Session 1 (Room 2.80) • Session 2 (Room 2.81)
16.00 – 16.30	Tea and coffee break
16.30 – 17.00	<p>Keynote lecture: Professor Heinz Jungbluth, Chair of Paediatric Neurology, Department of Basic and Clinical Neuroscience, IoPPN, King's College London & Evelina Children's Hospital, Guy's & St Thomas' NHS Foundation Trust, London</p> <p>'Congenital disorders of autophagy and intracellular trafficking - a novel class of metabolic disorders linking neurodevelopment and neurodegeneration'</p>
17.00 – 17.30	<p>President's Guest: Dr Laura Cif, Montpellier, France</p> <p>'From childhood to adulthood: role, outcomes, mechanisms and risks of neuromodulation in dystonia'</p>
17.30 – 18.00	<p>President's Guest: Dr Laura Silveira-Moriyama, Universidade Nove de Julho (UNINOVE), São Paulo & University of Campinas (UNICAMP), Campinas, Brazil</p> <p>'Diagnosing and managing paediatric movement disorders in limited resource settings'</p>
18.00 – 18.45	<p>MacKeith Guest Lecture: Professor Michael Johnston, Chief Medical Officer, Kennedy Krieger Institute, and Professor of Neurology, Pediatrics and Physical Medicine and Rehabilitation, Johns Hopkins University School of Medicine, Baltimore, USA</p> <p>'Critical and sensitive windows of neuroplasticity in the developing brain'</p> <p><i>Vote of thanks Dr Jean-Pierre Lin</i></p>
19.00 for 19.45	Conference dinner at Middle Temple Hall, Middle Temple Lane, London, EC4Y 9AT

Friday 5 January 2018		
09.00 – 10.30	Plenary Oral Presentations Session 9 (Room B5):	
09.00 – 09.15	Mutational and phenotypic spectrum associated with neurological disease due to ADAR1 dysfunction	S Hussain *
09.15 – 09.30	A randomised, placebo-controlled, double-blind, Phase 1b/2 study of the novel anti-myostatin adnectin BMS-986089/RG6206 in ambulatory boys with Duchenne muscular dystrophy	M Krishnan
09.30 – 09.45	Lenti-D Hematopoietic Stem Cell Gene Therapy to Arrest Progression of Cerebral Adrenoleukodystrophy: Interim Results of an International Phase 2/3 Trial	P Gissen
09.45 – 10.00	Disease course and treatment responses in children with relapsing MOG-Ab-associated disease	Y Hacohen *
10.00 – 10.15	Stroke - Act Fast With Mechanical Thrombectomy For Children	R Ganguly *
10.15 – 10.30	Genetic Epileptic Encephalopathy is Associated with Disrupted Function of Key Synaptic Proteins	A McTague
10.30 – 11.00	Tea and coffee break	
11.00 – 11.30	<p>Keynote lecture: Professor Mary Rutherford, Chair of Perinatal Imaging, King's College London</p> <p>'New developments in Down's syndrome: from fetal neuroimaging to antenatal interventions.'</p> <p><i>Chair: Rahul Singh</i></p>	
11.30 – 12.45	<p>Clinical Practice Hot Topics & Controversies (parallel sessions)</p> <ol style="list-style-type: none"> <p>Acute neurology: An approach to acute movement disorder emergencies</p> <ul style="list-style-type: none"> Dr Margaret Kaminska, Paediatric Neurologist, Evelina Children's Hospital Dr Laura Cif, Universidade Nove de Julho Professor Mary King, Consultant Paediatric Neurologist, The Children's University Hospital, Dublin <p><i>Chair: Professor Laura Siveira-Moryama</i></p> <p>Psychology & Psychiatry: Psychological interventions in neurodevelopmental disorders: Presentation and treatment of children with anxiety and ASD, tics and functional neurological symptoms</p> <ul style="list-style-type: none"> Dr Anne Ozsivadjian, Principal Clinical Psychologist, Evelina Children's Hospital, London Dr Sally Robinson, Clinical Neuropsychologist, St Thomas' Hospital, London Dr Tamsin Owen, Clinical Psychologist, Evelina Children's Hospital, London <p><i>Chair: Dr Tammy Hedderly</i></p> <p>Neurodisability: Feeding and nutrition difficulties clinical jigsaw</p> <ul style="list-style-type: none"> Dr Veronica Kelly, Consultant in Paediatric Neurodisability, Evelina Children's Hospital, London Dr Mohamed Mutalib, Consultant Gastroenterologist, Evelina Children's Hospital, London Dr Santosh Mordekar, Consultant Paediatric Neurologist, Sheffield Children's NHS Foundation Trust Anne Breaks, Consultant Speech and Language Therapist, Evelina London Children's Hospital <p><i>Chair: Dr Charlie Fairhurst</i></p> <p>Interventional neurology: The fetal medicine consultation</p> <ul style="list-style-type: none"> Dr Rahul Singh, Consultant Paediatric/Neonatal Neurologist, Guys and St. Thomas' Hospital, Evelina London Children's Hospital Professor Mary Rutherford, Chair in Perinatal Imaging, King's College London Dr Muriel Holder, Clinical Geneticist, Guys & St Thomas' Hospital <p><i>Chair: Professor Lucilla Poston & Dr To</i></p> 	

12.45 – 13.15	Keynote lecture: Professor Paul Gringras, Chair of Children's Sleep Medicine and Neurodisability, Evelina Children's Hospital, London 'Sleep Disorders in Children'	
13.15 – 14.30	Lunch	
13.30 - 14.15	Sponsored Symposium (Room B5): Santhera	
14.30 – 15.00	Keynote lecture: Dr Valeria Mondelli, Senior Clinical Lecturer, Institute of Psychiatry, Psychology and Neuroscience, King's College London 'Advances in our understanding of the link between neuroinflammation and mental health?'	
15.00 – 16.00	Plenary Oral Presentations Session 10 (Room B5):	
15.00 - 15.15	Sleep homeostasis in children with focal epilepsy - relationship to memory consolidation and interictal epileptiform discharges	S Chan *
15.15 – 15.30	Clinical relevance of MOG and AQP4 antibodies in a large cohort of children with a range of brain and spine inflammation.	S Duignan *
15.30 – 15.45	Long-term safety and efficacy of intracerebroventricular enzyme replacement therapy with cerliponase alfa in children with CLN2 disease: 2-year results from an ongoing multicenter extension study	P Gissen
15.45 – 16.00	GRIN2A mutations in Landau Kleffner Syndrome: Clinical Features	A Ngho *
16.00	Presentation of Prizes and Close	

Wednesday 3 January 2018		
Session 1 Parallel Oral Presentation. Epilepsy		
Room		
14.30 – 16.00		
14:30 - 14:40	Genetic diagnosis of childhood-onset epilepsy: do we need genomes?	JD Symonds *
14:40 - 14:50	The phenotype and genetic spectrum of myoclonic astatic epilepsy	S Tang *
14:50 - 15:00	Incorporating epilepsy genetics into clinical practice: 360 degree evaluation	S Oates
15:00 - 15:10	Replication and phenotypic specificity of the miR-328/PAX6 repressor variant in genetic epilepsies	S Tang *
15:10 - 15:20	Novel Genotypes And Phenotypes In Children With Epilepsy And Developmental Disorders: Learning From The Deciphering Developmental Disorders Study	B Marron **
15:20 - 15:20	A homozygous TWNK gene mutation, causing severe Infantile-Onset Spinocerebellar Ataxia	C Sifaka *
15:30 - 15:40	Are EEGs indicated for elevated behaviours in children and young people with Epilepsy?	C Mount *
15:40 - 15:50	Refractory Epilepsy in Tuberous Sclerosis Complex: Importance of video-EEG monitoring	ES Serdaroglu *
15:50 - 16:00	Expansion of the movement disorder phenotype in SCN2A-related disease	KM Gorman *

Wednesday 3 January 2018		
Session 2 Parallel Oral Presentation Metabolic		
Room		
14.30 – 16.00		
14:30 - 14:40	Some children with neurodegenerative diseases are undiagnosed: should we be concerned?	CM Verity
14:40 - 14:50	The Natural History of PLA2G6-Associated Neurodegeneration (PLAN): a British Paediatric Neurology Surveillance Unit Study	A Papandreou *
14:50 - 15:00	What are the clinical features of Menkes disease in UK children?	CM Verity
15:00 - 15:10	Vitamin D levels in autism spectrum disorder (ASD) from a population cohort of children	M Absoud
15:10 - 15:20	Acquired Vitamin B12 Deficiency in Infancy: Are We Any the Wiser?	A Fadilah *
15:20 - 15:20	Reviewing the how and why of examining saccadic eye movements	A Donald *
15:30 - 15:40	Prevalence and Management of Dystonia in a Paediatric Palliative Care Cohort	T Slater *
15:40 - 15:50	Outcomes at 5-years following Deep Brain Stimulation (DBS) in the Management of Dystonia in Childhood	DE Lumsden
15:50 - 16:00	Safety, efficacy and tolerability of oro-mucosal tetrahydrocannabinol/ cannabidiol therapy to reduce spasticity in children and adolescents. Results of a multicentre, double blind placebo controlled trial.	C Fairhurst

Wednesday 3 January 2018		
Session 3 Parallel Oral Presentation		
Room		
14.30 – 16.00		
14:30 - 14:40	The clinical utility of an Art Psychotherapy group for young people with epilepsy and cognitive comorbidities.	E Congreave
14:40 - 14:50	Spectrum of Genetic Hyperkinetic Movement Disorders due to Defective Postsynaptic Dopaminergic Signaling	LA Abela *

14:50 - 15:00	An audit on Medication Overuse among Headache Patients from a Tertiary Childrens Headache Centre	RK Kaushik
15:00 - 15:10	Development of a community-based sleep clinic for children with neurodevelopmental disorders; a practical experience	JR Turnbull
15:10 - 15:20	Electroclinical profile of Charcot Marie Tooth disease and correlation with nerve biopsy	SS Nair
15:20 - 15:20	Efficacy of Idebenone in respiratory decline in Duchenne muscular dystrophy (DMD): Comparison of analysis methods	A Warnock
15:30 - 15:40	Correlation between Volume- and Flow-related Pulmonary Function Outcomes in patients with DMD	E Henricson
15:40 - 15:50	A Long-term, Open-label Follow-up Study of Olesoxime in Patients with Type 2 or Non-Ambulatory Type 3 Spinal Muscular Atrophy from A Placebo-Controlled Phase 2 Trial	F Muntoni
15:50 - 16:00	Infants and children with spinal muscular atrophy (SMA) treated with nusinersen in clinical trials: an integrated safety analysis	W Farwell

Thursday 4 January 2018

Session 6 Parallel Oral Presentation

Room

14.30 – 16.00

14:30 - 14:40	Key highlights for acute care from the RCPCH Paediatric Stroke Guidelines 2017	SK Agrawal
14:40 - 14:50	Risk Factors for Arterial Ischemic Stroke Recurrence in Children	A Stacey
14:50 - 15:00	Early physiological characteristics of antenatal versus neonatal diagnosed vein of Galen malformation and relationship to outcome	F Ahmad *
15:00 - 15:10	Neurocognitive outcomes in a national cohort of neonatal vein of Galen malformation.	F Lecce
15:10 - 15:20	White Matter Integrity and Processing Speed in Sickle Cell Anaemia	H Stotesbury *
15:20- 15:20	Paediatric brain tumour and seizure: analysis of cohort characteristics and their treatments	WP Whitehouse
15:30 - 15:40	Clinical presentation and prognostic indicators in 100 adults and children with neurofibromatosis 1 associated non-optic pathway brain gliomas	S Byrne
15:40 - 15:50	The PINE score _ a new clinical assessment tool to monitor the neurological signs and symptoms of children with diffuse intrinsic pontine glioma receiving convection enhanced delivery of chemotherapeutics to the brain stem.	MA Hollingworth
15:50 - 16:00	Acute clinical emergencies on the paediatric neurosciences ward: can we improve prediction and reduce risk?	MR Eyre *

Thursday 4 January 2018

Session 7 Parallel Oral Presentation

Room

14.30 – 16.00

14:30 - 14:40	Sleep Duration And Fragmentation In Infants With Early-Onset Epilepsy: Associates And Comparison To Sleep Of Typically Developing Peers	M Pisch
14:40 - 14:50	Seep and cognitive learning in young people with tic disorders	S Robinson
14:50 - 15:00	Functional tics and functional 'tic-like' movements (FTLMs) in the Movement clinic	O Malik
15:00 - 15:10	Medically Unexplained Neurological Symptoms (MUNS) in the paediatric population: A pragmatic cognitive-behavioural oriented intervention	FA McFarlane
15:10 - 15:20	Early neurodevelopmental profiles and family impact in newly diagnosed epilepsy: findings from a 3-year prospective population study.	L Dorris
15:20- 15:20	Short and Long Term Prolonged Release Melatonin Treatment For Sleep Disorders In Children With Autism Spectrum Disorders: Results Of A Phase III Randomized Clinical Trial	P Gringras

15:30 - 15:40	Profile and predictors of relapse in pediatric acquired central demyelinating syndromes from a tertiary centre	VS Vineetha *
15:40 - 15:50	Seizures at presentation is a predictor of relapsing disease in children presenting with acute disseminated encephalomyelitis	TE Rossor *
15:50 - 16:00	Autoantibodies to glutamate receptor delta 2 (GRID 2) in opsoclonus myoclonus syndrome	M Lim

Thursday 4 January 2018

Session 8 Parallel Oral Presentation

Room

14.30 – 16.00

14:30 - 14:40	Prevalence of Corticosteroid use and Learning Difficulties or Autism in patients with Duchenne Muscular Dystrophy.	JM Pitchforth
14:40 - 14:50	Limb Girdle Muscular Dystrophies, Nomenclature and reformed Classification - outcomes of the European neuromuscular centre workshop	AP Murphy *
14:50 - 15:00	Clinical course of facioscapulohumeral dystrophy presenting in childhood	D Steel *
15:00 - 15:10	Respiratory function in DMD in a large tertiary care centre: progression over time and impact of steroid treatment	J Domingos
15:10 - 15:20	Steroid use delays but does not prevent loss of pulmonary function in patients with Duchene muscular dystrophy (DMD)	E Henricson
15:20- 15:20	Selenoprotein related myopathy (SEPN1-RM): A comprehensive analysis of progression over time to guide clinicians and clinical trials	A Silwal *
15:30 - 15:40	Application of exome sequencing technologies to 1,000 undiagnosed patients affected by limb-girdle weakness - paediatric findings	AP Murphy *
15:40 - 15:50	Congenital Myotonic Dystrophy - Implications for Cardiology screening	AP Murphy *
15:50 - 16:00	Novel clinical, pathological and genetic findings in 7 patients with ECEL1 gene-related distal arthrogyrosis	L D'Argenzio *

*= Trainee

** = Medical Student