BPNA
British Paediatric Neurology Association

51st BPNA Annual Scientific Meeting
Mathematical Institute, University of Oxford, Andrew Wiles Building, Radcliffe Observatory Quarter (550), Woodstock Road, Oxford, OX2 6GG
8-10 January 2025

Programme

Wednesday 8 January 2025			
09:00 – 09:45	**Pre-conference session: Trainees' research network meeting** *Chairs: Dr Sam Amin & Dr Audrey Soo*		L4
09:00 – 09:45	Registration & refreshments (North & South Mezzanine)		
09:45 – 10:00	**Welcome** *Dr Ailsa McLellan, BPNA President, Dr Sandeep Jayawant, Oxford Organising Committee & Dr Sam Amin, Chair of Research*		L1 (Main Auditorium & L3 (Overflow)
10:00 – 11:30	**Neuroinflammatory (Session 1)** *Chairs: Dr Sandeep Jayawant (Oxford), Dr Frances Gibbon (Cardiff) & Dr Yoshua Collins-Sawaragi (Birmingham)*		L1 (Main Auditorium & L3 (Overflow)
10:00 – 10:30	**Keynote Lecture: Prof Angela Vincent, University of Oxford** *'Tales of the unexpected; Ignoring fashions and dispelling dogmas'*		
10:30 – 10:45	Early administration of tocilizumab and methylprednisolone is associated with improved neurological outcomes in survivors of acute necrotising encephalopathy: an international observational study of 63 children **Velda X Han**		
10:45 – 11:00	Hippocampal Microstructural Changes at Early Recovery from NMDA Receptor Antibody Encephalitis Are Associated with Long-term Memory Outcomes **Michael Eyre**		
11:00 – 11:15	Evaluating visual assessments for the design of clinical remyelination trials in multiple sclerosis in children **Jonathon Holland***		
11:15 – 11:30	Central vein sign in paediatric MOGAD is associated with persistent lesions **Riccardo Nistri**		
11:40 – 12:40	**Research Workshop (L1): Children's Sleep Research – the potential and the pitfalls** *Prof Paul Gringras, Dr Ullrich Bartsch & Dr Witney Lau*	**Workshop (L2): Keeping everyone safe - lessons from industry and patient experience** *Dr Ailsa McLellan, Miss Aoife Skeffington, Dr Alasdair Parker, Prof Finbar O'Callaghan, Miss Liah Plowman, Mrs Karen Harrison, Dr Colin Dunkley & Mrs Philippa Rodie*	
12:45 – 13:15	Becoming a Paediatric Neurologist *Chairs: Dr Audrey Soo & Dr Abigail Lazenbury*		L4
12:55 – 13:40	**Jazz Pharmaceuticals Sponsored Symposium (L1)** *'Thinking Beyond Seizures'* Prof Rajat Gupta (Birmingham) & Dr Jack Garlovsky (Leeds)	**Novartis Gene Therapies EU Ltd Sponsored Symposium (L2)** *'Spinal Muscular Atrophy: The application of recent long term and real world evidence and the management of emerging cognitive challenges'* Prof Francesco Muntoni (London) & Dr Mariacristina Scoto (London)	

*Eligible for the prize: Best oral presentation by a trainee
**Eligible for the prize: Best presentation by a medical student

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13:10 – 13.45	Lunch & Exhibition (North & South Mezzanine) Poster Viewing (Classrooms)	
13:50 – 15:05	**Neurodegeneration (Session 2)** *Chairs: Dr Mario Sa (Oxford), Dr Dipak Ram (Manchester) & Dr Abinaya Seenivasan (Manchester)*	L1 (Main Auditorium & L3 (Overflow)
13:50 – 14:20	**Keynote Lecture: Dr Christopher Verity, Addenbrooke's Hospital, Cambridge** *'The PIND Study - 27 years, 5222 children with suspected neurodegenerative diseases, loads of work by UK paediatricians. What have we learnt from all this?'*	
14:20 – 14:35	A Multimodal Multiomics Machine Learning (MMM) approach to elucidate disease mechanisms and accelerate clinical trial readiness for rare diseases: PLA2G6-Associated Neurodegeneration (PLAN) as prototype **Audrey Ker Shin Soo***	
14:35 – 14:50	Angelman syndrome: clinical trials activity and 1-year follow-up results of the prospective Natural History Study in Oxford **Theodora Markati***	
14:50 – 15:05	Interferon Stimulated Gene (ISG) score - what is it? And does it have a role in clinical practice? Experience from a diagnostic and natural history of study of 134 patients investigated for type 1 interferonopathies **Aimee Donald***	
15:05 – 15:30	Refreshments & Exhibition (North & South Mezzanine) Poster Viewing (Classrooms)	
15:30 – 16:00	Oral Poster Session (face-to-face only)	A – C2 B – C3 C – C4 D – C5 E – C6
16:15 – 17:45	**Video Challenge (Session 3)** *Chairs: Dr Dan Lumsden (London) & Prof Sameer Zuberi (Glasgow)* *Expert panel: Dr Sandeep Jayawant (Oxford), Dr Martin Smith (Oxford) & Prof Manju Kurian (London)*	L1 (Main Auditorium & L3 (Overflow)
16:15 – 16:20	Introduction	
16:20 – 16:40	Case 1 - Alison Skippen	
16:40 – 17:00	Case 2 - Aimee Donald	
17:00 – 17:20	Case 3 - Abinaya Seenivasan	
17:20 – 17:40	Case 4 – Mohamed Omer	
17:40 – 17:45	Close	
18:30 – 20:00	Welcome Reception – Divinity School, Bodleian Old Library, Broad Street, Oxford, OX1 3BG	

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Thursday 9 January 2025			
08:00 – 08:30	Refreshments (North & South Mezzanine)		
08:00 – 08:45	Personal Practice Session (L1): **Recognising preventable complications of ataxia syndromes** Speakers: Dr Martin Smith & Prof Andrea Nemeth	Personal Practice Session (L2): **Difficult decisions, risk and consensus building in paediatric palliative care** Speakers: Dr Nadine McCrea & Dr Emily Harrop	
08:50 – 10:20	BPNA Annual General Meeting (BPNA members only)		L1
09:30 – 10:30	Refreshments & Exhibition (North & South Mezzanine) Poster Viewing (Classrooms)		
10:30 – 12:40	**Epilepsy (Session 4)** *Chairs: Dr Nadine McCrea (Oxford), Dr Dulmini Birkett (London) & Dr Jane Kung (London)*		L1 (Main Auditorium & L3 (Overflow)
10:30 – 11:10	**Debate: Prof J Helen Cross & Prof Finbar O'Callaghan** *'A diagnosis of Lennox-Gastaut Syndrome is no longer relevant in paediatric neurology practice in 2025'* *Chair: Dr Sophia Varadkar (London)*		
11:10 – 11:40	**Keynote Lecture: Prof Sanjay Sisodiya, UCL Queen Square Institute of Neurology** *'Working the genome harder - an example from epilepsy'*		
11:40 – 11:55	Zorevunersen (STK-001) demonstrates potential as a disease-modifying medicine in multiple studies of patients with Dravet syndrome **Andreas Brunklaus**		
11:55 – 12:10	Neuropsychological trajectories and MRI findings in children with drug-resistant focal epilepsy **Maria Eriksson****		
12:10 – 12:25	Predicting longitudinal changes in adaptive function in autism using EEG functional connectivity - a developmental approach **Chirag Mehra***		
12:25 – 12:40	Infantile Epileptic Spasms Syndrome: Carer Recorded Smartphone Videos Informing Machine Learning Diagnostics **Rachel Bonner****		
12:40 – 14:20	Lunch & Exhibition (North & South Mezzanine) Poster Viewing (Classrooms)		
12:50 – 13:35	Oral Poster Session (face-to-face only)		A – C2 B – C3 C – C4 D – C5 E – C6
12:50 – 13:30	British Paediatric Epilepsy Group (SIG – BPNA members only) (L2)	British Paediatric Movement Disorder (SIG) (L4)	Children's Headache Network (SIG) (L5)
13:40 – 14:25	**Immedica Sponsored Symposium (L1)** *'Treatable Neurometabolic diseases: Identifying Red Flags in Paediatric Neurology'* Dr Dipak Ram (Manchester), Dr Spyros Batzios (London) & Dr Evangeline Wassmer (Birmingham)	**Roche Sponsored Symposium (L2) - (face-to-face only)** *'Permanent ventilation and Spinal Muscular Atrophy (SMA) - what is the value of disease modifying therapies?'* Dr Mariacristina Scoto (London), Mr Giles Lomax (Stratford-upon-Avon) & Dr Elizabeth Wraige (London)	
14:30 – 15:45	**Neuromuscular (Session 5)** *Chairs: Dr Sithara Ramdas (Oxford), Dr Sarah Hughes (Reading) & Dr Thiloka Ratnaike (Bristol)*		L1 (Main Auditorium & L3 (Overflow)
14:30 – 15:00	**Keynote Lecture: Prof Mahendra G Patel, University of Oxford** *'Bridging the gap: Addressing health inequities through inclusive research'*		

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15:00-15:15	Duchenne Muscular Dystrophy - time to diagnosis - has it changed? **Helena Lang***	
15:15 – 15:30	Clinical features, management and long term outcome in paediatric onset MuSK-associated myasthenia gravis- a European cohort study **Jacob Reading***	
15:30 – 15:45	Givinostat in Duchenne Muscular Dystrophy: natural history comparison applying propensity score matching **Tracey Willis**	
15:45 – 16:10	Refreshments & Exhibition (North & South Mezzanine) Poster Viewing (Classrooms)	
16:10 – 18:00	**The Presidential Plenary (Session 6)** *Chairs: Dr Ailsa McLellan (BPNA President) & Dr Sam Amin (Chair of Research)*	L1 (Main Auditorium & L3 (Overflow)
16:10 – 16:15	**Presentation of prize** *DMCN best article by a BPNA early career member presented by Prof Bernard Dan*	
16:15 – 16:45	**The Ronnie MacKeith Prize: Dr Elizabeth Radford, University of Cambridge** Joint award supported by BPNA & Mac Keith Press *'Turning the tide of variants of uncertain significance: a role for saturation mutagenesis?'*	
16:45 – 17:15	**Keynote Lecture: Prof Anna Jansen, Antwerp University Hospital, Antwerp, Belgium** *'Implementation of the Intersectoral Global Action Plan on Epilepsy and Other Neurological Disorders (IGAP) – a call for action to the child neurology community'*	
17:15 – 18:00	**Ronnie MacKeith Guest Lecturer: Prof Renzo Guerrini, Children's Hospital Meyer IRCCS, Florence, Italy** *'Epilepsy in children, aetiology and pathophysiological processes: relevant steps towards current knowledge'*	
19:00 for 19:30	Annual Conference Dinner – Oxford University Museum of Natural History, Parks Road, Oxford, OX1 3PW	

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Friday 10 January 2025				
08:00 – 08:30	Refreshments (North & South Mezzanine)			
08:30 – 09:15	Personal Practice Session (L1): **Newborn screening – to screen or not to screen** Speakers: Dr Sithara Ramdas & Prof Laurent Servais		Personal Practice Session (L2): **Patient involvement: paying more than lip service** Speakers: Dr Rohini Rattihalli & Mrs Emma Sparrow	
09:15 - 09:30	Refreshments (North & South Mezzanine)			
09:30 – 10.45	**Neurodevelopment/Neurodisability (Session 7)** *Chairs: Dr Geetha Anand (Oxford), Dr Manish Prasad (Nottingham) & Dr Megha Raghavan (Oxford)*			L1 (Main Auditorium & L3 (Overflow)
09:30 – 10:00	**Keynote Lecture: Prof Stephan J. Sanders, University of Oxford, UCSF Weill Institute for Neurosciences, University of California** *'Therapeutic Genomics: how do we bring genetic therapies to genetic disorders?'*			
10.00 – 10.15	Paediatric Posterior Reversible Encephalopathy Syndrome (PRES) – a summary of 20 years of tertiary neurology centre experience **Evangelia Ioannidou and Nadja Bednarczuk***			
10.15 – 10.30	Improving services for children and adolescents with functional neurological disorders across the United Kingdom **Kesegofetse Setlhare***			
10.30 – 10.45	Deep Learning-Based Classification of Hyperkinetic Movement Disorders in Children **Nandika Ramamurthy****			
10.45 – 11.25	Refreshments & Exhibition (North & South Mezzanine) Poster Viewing (Classrooms)			
11.25 – 12.15	Oral Poster Session (face-to-face only)			A – C2 B – C3 C – C4 D – C5 E – C6
12.15 – 13.00	Cerebrovascular (SIG) (L2)	Neurocutaneous (SIG) (L4)	Genetic White Matter Disorders (leukodystrophies) (SIG) (L5)	Fetal & Neonatal Neurology (SIG) (L6)
13.00 – 13.45	Lunch & Exhibition (North & South Mezzanine) Poster Viewing (Classrooms)			
13:30 – 14:15	Paediatric neurology trainees' meeting *Chairs: Dr Audrey Soo, Dr Abigail Lazenbury and Dr Dipak Ram*			L4
13:35 – 14:20	**Desitin Pharma UK Sponsored Symposium (L1)** *'Formulation choices in anti-seizure medications - support materials, and the German experience of use of Sulthiame in the treatment of Self-Limited Epilepsy with CentroTemporal Spikes'* Prof David Wright (Leicester) & Prof Ingo Borggräfe (Munich)		**Biogen Idec Limited Sponsored Symposium (L2)** *'SMA – looking back and moving forward: the DMT era'* Prof Francesco Muntoni (London) & Dr Anne-Marie Childs (Leeds)	
14:30 – 16:45	**Hot Topics (Session 8)** *Chairs: Dr Martin Smith (Oxford), Prof Manju Kurian (London) & Dr Alison Skippen (Oxford)*			L1 (Main Auditorium & L3 (Overflow)
14:30 – 15:00	**Keynote Lecture: Prof Richard Gilbertson, University Of Cambridge** *'Large language models of virtual brain tumours for biological and therapeutic discovery'*			

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15:00 – 15:15	Safety and efficacy of delandistrogene moxeparvovec versus placebo in Duchenne Muscular Dystrophy: Phase 3 EMBARK primary results **Francesco Muntoni**
15:15 – 15:30	Five year COPM outcomes after deep brain stimulation in the management of childhood-onset hyperkinetic movement disorders **Daniel Lumsden**
15:30 – 15:45	Efficacy and Safety of Risdiplam in infants with Spinal Muscular Atrophy: Insights from FIREFISH and RAINBOWFISH Studies **Laurent Servais** & **Giovanni Baranello**
15:45 – 16:00	Comparative analysis of symptomatology and clinical features in paediatric acute-onset neuropsychiatric syndrome, autoimmune encephalitis, and obsessive-compulsive disorder: a retrospective records study **Yasmine Nasser**
16:00 – 16:15	Paediatric myasthenia gravis with a combination of AChR and RyR is associated with an earlier onset and lower CSR rate: A cohort study in southwest China **Tianyi Li**
16:15 – 16:45	Presentation of Prizes • Best oral presentation by a trainee • Best poster oral by a trainee • Best poster presentation by a trainee • Best presentation by a medical student *Dr Ailsa McLellan, BPNA President & Dr Sam Amin, Chair of BPNA Research*
16:45	Close and departure

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