

49th BPNA Annual Scientific Meeting
Royal College of Physicians of Edinburgh, 11 Queen Street, Edinburgh, EH2 1JQ
25-27 January 2023

Programme

| Wednesday 25 January 2023 | | |
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| 09.00 – 10.00 | Pre-conference session: Trainees' research network meeting (face-to-face only) <i>Dr Sam Amin (Chair of Research) & Dr Robert Spaul (Trainees Rep)</i> | Sir John Crofton Room |
| 10.00 - 10.45 | Registration and refreshments | Exhibition Area |
| 10.45 - 11.00 | Welcome <i>Dr Alasdair Parker, BPNA President & Dr Ailsa McLellan, Edinburgh Organising Committee</i> | Main Auditorium & Overflow (Meeting Rooms 1 & 2) |
| 11.00 - 13.00 | Perinatal Neurology & Imaging (Session 1) <i>Chairs: Prof Brigitte Vollmer (Southampton), Dr Anna Basu (Newcastle) & Dr Robert Spaul (London)</i> | Main Auditorium & Overflow (Meeting Rooms 1 & 2) |
| 11.00 - 11.30 | Keynote Lecture: Professor James Boardman, Chair of Neonatal Medicine and Director of the Jennifer Brown Research Laboratory, MRC Centre for Reproductive Health, University of Edinburgh <i>'The role of nutrition in promoting healthy brain development after preterm birth'</i> | |
| 11.30 - 11.45 | 2705 Ketogenic Diet in Infants with Epilepsy (KIWE): a randomised controlled trial Natasha Schoeler | |
| 11.45 – 12.00 | 2701 The spectrum of neuroradiological findings in early stages of Beta Propeller Protein-Associated Neurodegeneration (BPAN) Apostolos Papandreou | |
| 12.00 - 12.15 | 2723 The behavioural characteristics of synaptic vesicle cycling disorders Kate Baker | |
| 12.15 - 12.30 | 2889 Dynamic MRI Lesion Evolution in paediatric MOG-Ab associated disease (MOGAD) Dimitrios Champsas* | |
| 12.30 – 13.00 | Keynote Lecture: Professor Nicola J Robertson, Professor of Perinatal Neuroscience, University of Edinburgh and University College London <i>'Optimizing outcomes in neonatal encephalopathy: the journey from preclinical to early phase clinical trials'</i> | |
| 13.00 – 14.00 | Lunch (Exhibition Area, New Library & Cullen Suite) Poster Viewing (New Library) Exhibition (Exhibition Area & Great Hall) | |
| 13.00 – 14.00 | Paediatric neurology trainees meeting | Sir John Crofton Room |
| 13.15 – 14.00 | Biocodex Sponsored Symposia <i>'Infants: How can we optimize good practices in the rare epilepsies?'</i> Professor Helen Cross (London), Professor Rima Nabbout (Paris) & Professor Andreas Brunklaus (Glasgow) | Main Auditorium |
| 13.15 – 14.00 | Roche Sponsored Symposia <i>'Bulbar function outcomes in paediatric SMA (Spinal Muscular Atrophy)'</i> Dr Giovanni Baranello (London) & Dr Sithara Ramdas (Oxford) | Great Hall |

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

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| 14.00 – 16.00 | Health Informatics (Session 2) <i>Chairs: Prof Martin Kirkpatrick (Dundee), Dr Frances Gibbon (Cardiff) & Dr Katerina Vraka (Manchester)</i> | Main Auditorium & Overflow (Meeting Rooms 1 & 2) |
| 14.00 – 14.30 | Keynote Lecture: Professor Aziz Sheikh, Director of Usher Institute, University of Edinburgh <i>'Data-enabled responses to the COVID-19 pandemic'</i> | |
| 14.30 – 14.45 | 2819 Long-term outcome of Central Nervous System Inflammatory demyelinating diseases: Results from the PUDDL Study Evangeline Wassmer | |
| 14.45 – 15.00 | 2856 Whole-genome sequencing combined with detailed phenotyping improves diagnostic rate in patients with rare childhood-onset movement disorders Dora Steel* | |
| 15.00 - 15.15 | 2682 Development and validation of the Ibadan Simplified Developmental Screening (ISDS) Chart for infants in Nigeria IkeOlunwa Lagunju | |
| 15.15 - 15.30 | 2694 PLA2G6-Associated Neurodegeneration (PLAN): A large, international natural history study Audrey Ker Shin Soo* | |
| 15.30 - 16.00 | Keynote Lecture: Professor Richard Chin, Professor of Paediatric Neurology and Clinical Epidemiology, Honorary Consultant Paediatric Neurologist, Clinical Director of the Muir Maxwell Epilepsy Centre, The University of Edinburgh and the Royal Hospital for Children and Young People and Dr Jayakara Shetty, Consultant Paediatric Neurologist & NRS Fellow, Royal Hospital for Children & Young People Edinburgh, Honorary Reader, University of Edinburgh <i>'Using health informatics to improve neurological care'</i> | |
| 16.00 - 16.45 | Refreshments (Exhibition Area, New Library & Cullen Suite) Poster Viewing (New Library) Exhibition (Exhibition Area & Great Hall) | |
| 16.15 – 16.45 | Oral poster session (face-to-face only) | New Library |
| 16.45 – 18.15 | Video Challenge (Session 3) <i>Chair: Prof Manju Kurian (London) & Dr Kathleen Gorman (Dublin)</i> <i>Expert panel: Dr Paul Eunson (Edinburgh), Dr Dan Lumsden (London) & Dr Jayakara Shetty (Edinburgh)</i> | Main Auditorium & Overflow (Meeting Rooms 1 & 2) |
| 16.45 – 16.50 | Introduction | |
| 16.50 – 17.10 | 2852 Case 1 – Stephanie Haberman | |
| 17.10 – 17.30 | 2827 Case 2 – Susan Harvey | |
| 17.30 – 17.50 | 2697 Case 3 – Tammy Hedderly | |
| 17.50 – 18.10 | 2855 Case 4 – Emtnan Ahemad | |
| 18.10 – 18.15 | Close | |
| 18.30 – 20.00 | Welcome Reception – The Dome, 14 George Street, Edinburgh, EH2 2PF | |

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| Thursday 26 January 2023 | | |
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| 08.00 – 08.30 | Refreshments | Exhibition Area |
| 08.30 - 09.15 | Personal Practice Session (Main Auditorium): Identifying and addressing mental health problems in the neurology clinic Speakers: Dr Kirsten Verity & Dr Ailsa McLellan | Personal Practice Session (Great Hall): Scoliosis management in children and young people with neuromuscular conditions Speakers: Mr Thanos Tsirikos & Dr Kenneth McWilliam |
| 09.30 – 11.00 | Novel Therapies (Session 4) <i>Chairs: Dr Amy McTague (London), Dr Apostolos Papandreou (London) & Dr Jonathon Holland (Cambridge)</i> | Main Auditorium & Overflow (Meeting Rooms 1 & 2) |
| 09.30 – 10.00 | Keynote Lecture: Professor Siddharthan Chandran, MacDonald Professor of Neurology, Director Edinburgh Neuroscience, Head Edinburgh Medical School, Non-executive Director NHSL Lothian Health Board <i>'Human led discovery and novel approaches to clinical trials'</i> | |
| 10.00 – 10.30 | Keynote Lecture: Professor Adrian Bird, Buchanan Professor of Genetics, Wellcome Trust Centre for Cell Biology, The University of Edinburgh <i>'Understanding of and potential treatments for Rett syndrome'</i> | |
| 10.30 – 11.00 | Keynote Lecture: Professor Yanick Crow, Chair of Genomic Medicine, The University of Edinburgh <i>'Targeted approaches to the treatment of the type 1 interferonopathies'</i> | |
| 11.00 – 11.30 | Refreshments (Exhibition Area, New Library & Cullen Suite) Poster Viewing (New Library) Exhibition (Exhibition Area & Great Hall) | |
| 11.00 – 12.30 | Charity networking session (all welcome – face-to-face only) | Great Hall |
| 11.30 – 12.30 | Neurodevelopmental (Session 5) <i>Chairs: Dr Paul Eunson (Dundee), Dr Katherine Martin (Nottingham) & Dr Aikaterini Vezyroglou (London)</i> | Main Auditorium & Overflow (Meeting Rooms 1 & 2) |
| 11.30 – 12.00 | Keynote Lecture: Professor Peter Kind, Chair of Developmental Neuroscience, Director of the Simons Initiative for the Developing Brain at the Patrick Wild Centre for Research into Autism, Fragile X Syndrome (FXS) and Intellectual Disability and Professor of Developmental Neuroscience at the University of Edinburgh <i>'Mechanisms underlying neurodevelopmental disorders'</i> | |
| 12.00 – 12.15 | 2786 10 year follow up of Deep Brain Stimulation in the management of Childhood Dystonia Dan Lumsden | |
| 12.15 – 12.30 | 2730 Movement disorders are an under-recognised core feature of late-infantile Batten disease and follow a stereotyped progression Robert Spaul* | |
| 12.30 – 13.30 | Lunch (Exhibition Area, New Library & Cullen Suite) Poster Viewing (New Library) Exhibition (Exhibition Area & Great Hall) | |
| 12.30 – 13.30 | Becoming a paediatric neurologist | Sir John Crofton Room |
| 12.45 - 13.30 | Oral Poster Session (face-to-face only) | New Library |
| 12.45 – 13.30 | PTC Therapeutics Sponsored Symposia <i>'Developments in the diagnosis and management of patients with Aromatic l-amino acid decarboxylase (AADC) deficiency'</i> Dr Lucinda Carr (London), Professor Manju Kurian (London), Professor Thomas Opladen (Germany) & Mr Kristian Aquilina (London) | Main Auditorium |

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| 12.45 – 13.30 | Jazz Pharmaceuticals Sponsored Symposia <i>'Mechanisms and management of neurodevelopmental disorders in developmental and epileptic encephalopathies'</i> Dr Amy McTague (London) & Professor Liam Dorris (Glasgow) | Great Hall |
| 13.30 – 15.40 | Epilepsy (Session 6) <i>Chairs: Prof Helen Cross (London), Dr Jaspal Singh (Southampton) & Dr Victoria Vlachou (Bristol)</i> | Main Auditorium & Overflow (Meeting Rooms 1 & 2) |
| 13.30 – 14.10 | Debate: Professor Finbar O'Callaghan, UCL Great Ormond Street, Institute of Child Health, London & Professor Rima Nabbout, Paediatric Neurologist, Necker-Enfants Malades Hospital, Paris <i>'Prompt treatment with combination of vigabatrin and hormonal therapy is required to improve outcome in infants with infantile spasms'</i> | |
| 14.10 – 14.25 | 2831 The Top 10 Epilepsy Research Priorities: A UK Priority Setting Partnership Anna Norton | |
| 14.25 – 14.40 | 2760 Personalised prediction of seizure outcome after epilepsy surgery in children Maria Eirksson | |
| 14.40 – 14.55 | 2742 Prevalence of obstructive sleep apnoea in children with epilepsy compared with typically-developing children Don Urquhart | |
| 14.55 – 15.10 | 2761 Carbamazepine Therapy and HLA Genotype in The Local Population at The Royal London Hospital, East London Laura Hyrapetian* | |
| 15.10 – 15.40 | Keynote Lecture: Professor Alexis Arzimanoglu, Paediatric Neurologist, University Hospitals of Lyon, France and San Juan de Dios Children's Hospital, Barcelona, Spain <i>'Are we missing epilepsy surgery candidates?'</i> | |
| 15.40 – 16.00 | Refreshments (Exhibition Area, New Library & Cullen Suite) Poster Viewing (New Library) Exhibition (Exhibition Area & Great Hall) | |
| 16.00 – 18.00 | The Presidential Plenary (Session 7) <i>Chairs: Dr Alasdair Parker (BPNA President) & Dr Sam Amin (Chair of Research)</i> | Main Auditorium & Overflow (Meeting Rooms 1 & 2) |
| 16.00 | Presentation of prize <i>DMCN best article by a BPNA trainee presented by Editor in Chief of DMCN, Professor Bernard Dan</i> | |
| 16.00 – 16.30 | The Ronnie MacKeith Prize: Dr Sophie Adler, Research Associate, UCL Great Ormond Street Institute of Child Health, London Academic Foundation Doctor, Addenbrookes Hospital, Cambridge <i>'Integrating AI into the diagnosis of paediatric focal epilepsies'</i> | |
| 16.30 – 16.50 | International Guest: Miss Paula Evans, Founder and Former Chair, Foundation for Angelman Syndrome Therapeutics, Founder and Former CEO, GeneTx Biotherapeutics <i>'The unlikely journey from mother to drug developer'</i> | |
| 16.50 – 17.15 | Keynote Lecture: Dr Paul Eunson, Thomas TS Ingram Memorial Lecture, Edinburgh <i>'Communicating and advocating for children and young people with neurological disorders'</i> | |
| 17.15 – 17.30 | Keynote Lecture: Professor Helen Cross, The Prince of Wales's Chair of Childhood Epilepsy, Institute of Child Health, University College London <i>'The British Paediatric Neurology Association and JLA Priority Setting Partnership: UK research priorities for childhood neurological disorders'</i> | |
| 17.30 – 18.00 | The Ronnie MacKeith Guest Lecturer: Dr Camilla Kingdon, President, RCPCH <i>'Sustaining our humanity in health care: the case for kindness and compassion in leadership'</i> | |
| 19.00 for 19.30 | Annual Conference Dinner – National Museum of Scotland, Chambers Street, Edinburgh, EH1 1JF | |

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| Friday 27 January 2023 | | |
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| 08.00 – 08.30 | Refreshments | Exhibition Area |
| 08.30 – 09.15 | Personal Practice Session (Main Auditorium): Feeding issues in children and young people with complex neurodisability Dr Andrew Barclay & Mrs Michelle Brooks | Personal Practice Session (Great Hall): Foetal neurology: What is Neurologist's role? Dr Kamath Tallur, Dr Sarah Cooper, Professor Brigitte Vollmer, Mr Chanrasekaran Kaliaperumal & Dr Alan Quigley |
| 09.30 – 11.00 | Neuromuscular (Session 8) <i>Chairs: Dr Kenneth McWilliam (Edinburgh), Dr Sithara Ramdas (Oxford) & Dr Alison Skippen (Oxford)</i> | Main Auditorium & Overflow (Meeting Rooms 1 & 2) |
| 09.30 – 10.00 | Keynote Lecture: Dr Michela Guglieri, Consultant Neurologist at Newcastle University and Newcastle Hospitals NHS Foundation Trust <i>'Advances in the care and therapy of Duchenne muscular dystrophy'</i> | |
| 10.00 – 10.15 | 2664 Real-world experience of delivering gene-therapy with Onasemnogene Apeparovvec (Zolgensma®) for children with Spinal Muscular Atrophy (SMA) type-1 in the UK Vasantha Gowda | |
| 10.15 – 10.30 | 2599 Real-world effectiveness of ocrelizumab in a UK multi-centre paediatric-onset multiple sclerosis (POMS) cohort Omar Abdel-Mannan* | |
| 10.30 – 10.45 | 2768 A randomized controlled trial of Intra-Erythrocyte Dexamethasone Sodium Phosphate (EDS) in children with ataxia telangiectasia (ATteST): preliminary results William Whitehouse | |
| 10.45 – 11.00 | 2668 Clinical characteristics, molecular genetics and long-term clinical outcomes in 43 patients with congenital myasthenia syndrome due to RAPSYN mutation Sithara Ramdas | |
| 11.00 – 11.30 | Refreshments (Exhibition Area, New Library & Cullen Suite) Poster Viewing (New Library) Exhibition (Exhibition Area & Great Hall) | |
| 11.30 – 13.00 | Acute Neurology (Session 9) <i>Chairs: Dr Louise Hartley (London), Dr Karen Pysden (Leeds) & Dr Alexander Simpson (Edinburgh)</i> | Main Auditorium & Overflow (Meeting Rooms 1 & 2) |
| 11.30 – 12.00 | Keynote Lecture: Dr Tsz-Yan Milly Lo, Consultant Paediatric Intensivist, Research Lead in Paediatric Critical Care Medicine, Royal Hospital for Children & Young People, Edinburgh BioQuarter and Mr Jothy Kandasamy, Consultant Neurosurgeon, NHS Scotland <i>'Working together in management of acute head injury – a PICU and neurosurgical perspective'</i> | |
| 12.00 – 12.15 | 2610 Rapid whole exome sequencing (R14) audit in a tertiary neurology centre Marwa Alkotamy* 2858 Clinical yield of rapid whole exome sequencing in acutely unwell children with suspected monogenic disorders as requested by a Paediatric Neurology service Philip Millington* | |
| 12.15 – 12.30 | 2622 A window in the brain: Applying nonlinear signal features to quantitatively detect seizures with minimal-density EEG montage Shima Abdullateef* | |
| 12.30 – 13.00 | Keynote Lecture: Dr Penny Furness, Department of Psychology, Sheffield Hallam University and Mr Ivan Phelan, Principal Research Fellow, Sheffield Hallam University <i>'Immersive virtual reality in children with upper limb injuries: A feasibility study'</i> | |
| 13.00 – 14.00 | Lunch (Exhibition Area, New Library & Cullen Suite) Poster Viewing (New Library) Exhibition (Exhibition Area & Great Hall) | |
| 13.15 – 14.00 | Desitin Sponsored Symposia <i>'Formulation choice when prescribing an anti-seizure medication (ASM) – as important as the active ingredient itself?'</i> Mr Stephen Tomlin (London) & Prof David Wright (Leicester) | Main Auditorium |

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| 13.15 – 14.00 | Biogen Sponsored Symposia <i>'Embracing Change: Transitioning from paediatric to adult care, for people with SMA'</i> Dr Anne-Marie Childs (Leeds), Prof Tracey Willis (Oswestry) & Prof Francesco Muntoni (London) | Great Hall |
| 13.15 – 14.00 | Oral Poster Session (face-to-face only) | New Library |
| 14.00 – 15.30 | Hot Topics (Session 10) <i>Chairs: Dr Dipak Ram (Manchester), Dr Archana Desurkar (Sheffield) & Dr Tom Smith (Manchester)</i> | Main Auditorium & Overflow (Meeting Rooms 1 & 2) |
| 14.00 – 14.30 | Keynote Lecture: Dr Kate Templeton, Consultant Virologist, Royal Infirmary of Edinburgh <i>'Polio re-emergence and vaccination'</i> | |
| 14.30 – 15.00 | Keynote Lecture: Professor Bobby Gaspar, MD, PhD, CEO Orchard Therapeutics, Honorary Professor of Paediatrics and Immunology, UCL <i>'Gene therapy from bench to bedside: challenges and solutions'</i> | |
| 15.00 – 15.30 | Keynote Lecture: Professor Sanjay Sisodiya, UCL, London <i>'Climate change and neurological conditions'</i> | |
| 15.30 – 16.00 | Presentation of Prizes <ul style="list-style-type: none"> • 'Best oral presentation by a trainee' • 'Best poster audio narrative by a trainee' • 'Best poster presentation by a trainee' • 'Best presentation by a medical student' <i>Dr Alasdair Parker, BPNA President & Dr Sam Amin, Chair of BPNA Research</i> | |
| 16.00 | Close and departure | |

DMCN Conference Supplement: <https://onlinelibrary.wiley.com/toc/14698749/2023/65/S1>

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