

BSSFN Annual Meeting 2023

Venue: Marriott Royal Hotel, Bristol

Programme:

Thursday 18th May, 2023:

Arrivals and registration from 11:00

12:00-13:00 Lunch (Marriott restaurant)

13:00-13:10 Welcome (Lancaster suite, Marriott) *Reiko Ashida*

Session 1 (13:10-14:30): The past, present and future of functional neurosurgery-invited speakers (Chairs Reiko Ashida, Harith Akram)

13:10-13:50 Stereotactic functional neurosurgery – past and present *Professor Patric Blomstedt, Neurosurgeon and professor of clinical sciences, University Hospital of Northern Sweden*

13:50-14:30 Drug Delivery to the CNS *Professor Steven Gill, Neurosurgeon and Founder & CMO Neurochase*

Session 2 (14:35-15:10): Advances in DBS- invited speakers (Chairs Erlick Pereira, Julian Evans)

14:35-14:55 DBS for hypertension *Mr Nik Patel, Consultant Neurosurgeon, Bristol / Dr Emma Hart, Senior Lecturer, University of Bristol*

14:55-15:10 SPARKS trial *Dr Alan Whone, Consultant Neurologist, Bristol / Miss Reiko Ashida, Consultant Neurosurgeon, Bristol*

Session 3 (15:15-16:14) Free papers (Chairs Will Singleton, Harith Akram)

FP 1 15:15-15:22 Characterisation of a putative MRI hypointensity as a deep brain stimulation target for tremor. *Bryony Ishihara, St George's University of London*

FP 2 15:23-15:30 Morphometric correlates of tremor in Parkinson's disease, essential tremor and dystonia. *Francisca Ferreira, University College London*

FP 3 15:31-15:38 Structural connectivity assessment of ventralis intermedialis nucleus variability. *Francisca Ferreira, University College London*

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FP 4 15:39-15:46 Factors affecting targeting accuracy in deep brain stimulation. *Abteen Mostofi, St George's Hospital, London*

FP 5 15:47-15:54 NeuroMate Robot Assisted Deep Brain Stimulation: Impact on Accuracy and Clinical Outcomes. *James Manfield, Greater Manchester Neuroscience Centre, Salford*

FP 6 15:55-16:02 Review of the targeting accuracy of robot-assisted deep brain stimulation electrode implantation in paediatric patients with use of Renishaw 3D neurolocate module. *Raenette David, Alder Hey Children's Hospital NHS Foundation Trust, Liverpool*

16:03-16:15 Tea/Coffee/view trade stands

Session 4 (16:15-17:25): Pain and Epilepsy – invited speakers (Chairs Jibril Osman Farah, Jonathan Ellenbogen)

16:15-16:45 Neurosurgical Ablative Treatments for Cancer Pain *Dr Ido Strauss, Head Functional Neurosurgery Unit at Tel Aviv Medical center*

16:45-17:05 Minimally invasive disruption of epilepsy network *Mr Angelo Pichierri, Consultant Neurosurgeon, Southmead Hospital, Bristol*

17:05-17:25 Neurophysiology guided resections for epilepsy *Mr Will Singleton, Consultant Paediatric Neurosurgeon, Bristol Royal Hospital for Children*

Session 5 (17:25-18:00): Free papers (Chairs Akbar Hussain, Reiko Ashida)

FP 7 17:31-17:38 The Children's Adaptive Deep brain stimulation for Epilepsy Trial (CADET): progress report on a pilot study of cranially-mounted DBS to treat children with Lennox-Gastaut Syndrome. *Rory Piper, UCL Great Ormond Street Institute of Child Health, London*

FP 8 17:39-17:46 SEEG (stereo-EEG) for temporal and extra-temporal epilepsy. *Jibril Osman Farah, The Walton Centre for Neurology and Neurosurgery, Liverpool*

FP 09 17:47-17:54 Open thoracic cordotomy for cancer pain with intraoperative neuromonitoring: a case series. *Jibril Osman Farah, The Walton Centre for Neurology and Neurosurgery, Liverpool*

17:55-18:00 Questions

18:30-19:30 Welcome drinks reception (Riverstation)

19:30-22:30 Conference dinner (Riverstation)

Friday 19th May, 2023

08:30-9:30 BSSFN AGM (BSSFN members only, Lancaster Suite)

09:00-09:40 (non-members) Tea/Coffee/view trade stands

Session 6 (09:40-11:10): Advance therapies and neuromodulation for Parkinson's disease -invited speakers (Chairs Reiko Ashida, Akbar Hussain)

09:40-10:05 Neuromodulation for Parkinsonian gait *Dr Eduardo Martin Moraud, Dept Clinical neurosciences, Lausanne University Hospital, Switzerland*

10:10-10:30 Optimizing DBS for motor and cognitive control in Parkinson's Disease *Dr Petra Fischer, Lecturer in Neuroscience, University of Bristol*

10:30-10:55 Non-oral therapies in complex Parkinson's disease *Dr Konrad Szewczyk-Krolkowski, Consultant Neurologist, Southmead Hospital, Bristol*

10:55-11:10 Tea/Coffee/view trade stands

Session 7 (11:10-11:50): MRgFUS – invited speakers (Chairs Julian Evans, Will Singleton)

11:10-11:30 MRgFUS the Dundee experience *Dr Tom Gilbertson, Clinical Senior Lecturer, University of Dundee*

11:30-11:50 MRgFUS setting up a new service, patient selection and DTI guided planning *Mr Jibril Osman Farah, Consultant Neurosurgeon, The Walton Centre for Neurology and Neurosurgery, Liverpool*

11:50-12:00 Tea/Coffee and time to view trade stands

Session 8 (12:00-12:55): Free papers (Chairs Keyoumars Ashkan, Claire Nicholson)

FP10 12:00-12:07 Analysis using Parkinsons Kinetograph(PKG) of the real world utility of Local field potential recordings in optimising programming in Deep brain stimulation. *Akbar Hussain, Royal Victoria Infirmary, Newcastle upon Tyne*

FP11 12:08-12:15 DBS for MS tremor selection criteria and clinical outcome. *Owain Davies, Southmead Hospital, Bristol*

FP12 12:16-12:23 Deep brain stimulation for associated tremor in Klinefelter Syndrome. *Anca Merla, King's College Hospital, London*

FP13 12:24-12:31 Electrochemical recordings – a game-changer in biomarker measurements for neuromodulation? *Jason Yuen, Mayo Clinic, Rochester/ Southmead Hospital, Bristol*

FP14 12:32-12:39 Nuances in DREZ lesioning surgery for brachial plexus avulsion. *Vishwas Vijayendra, The Walton Centre for Neurology and Neurosurgery, Liverpool*

FP15 12:40-12:47 A tale of two ducts: spinal cord stimulation for pancreatic divisum and Sphincter of Oddi dysfunction (SOD). *Amad Khan, Wessex Functional Neurosurgery, University Hospital Southampton*

FP16 12:48-12:55 Spinal cord stimulation for the treatment of refractory neuropathic pain in spinal cord injury: a single-centre experience. *Alex Almari, St George's, London*

13:00-13:10 Closing remarks and details of the next meeting. *Reiko Ashida/Keyoumars Ashkan/Julian Evans*

13:10-14:00 Lunch (Marriott restaurant, best abstract announcement)