NIHR STROKE RESEARCH WORKSHOP 2019

Date: Wednesday 11th and Thursday 12th September 2019
Location: Chancellor’s Hotel & Conference Centre, Manchester

Arranged under the auspices of the NIHR CRN Stroke Speciality.
Supported by The Stroke Association, the British Association of Stroke Physicians and NIHR Clinical Research Network Greater Manchester

CPD approval RCP: 12 credits

Programme

Wednesday 11th September

Pre-meeting - How to be successful in getting research funding

Open to all but particularly focussed on trainees

Chairs: Hugh Markus

11.00 What makes an application successful? Tips from panel members
- MRC (Hugh Markus, Cambridge)
- NIHR (Bill Deakin, Manchester)
- BHF (Andrew Trafford, Manchester)

11.20 How I got a fellowship? Tips from successful applicants; medical and non-medical
- Claire Howard (Liverpool) – NIHR Fellowship
- Robin Brown (Cambridge) – ABN/Brain Clinical Fellowship

11.40 Q and A – All Speakers, Richard Francis (Stroke Association),

12.00 Lunch

13.00 Welcome (Stuart Allan, Local Organiser)
Novel treatment approaches in brain haemorrhage

Chairs: David Werring

13.10 Novel surgical approaches
Barbara Gregson, Newcastle

13.35 Latest developments in treating intracerebral haemorrhage
Floris Schreuder, Radboud, Netherlands

14.05 Challenges in improving outcomes after SAH
Hiren Patel, Manchester

14.30 Submitted abstract: Statins and survival: should we stop or continue statins in intracerebral haemorrhage?
Joshua Yeung, Manchester

14.40 Submitted abstract: Long-term antithrombotic therapy and risk of intracranial haemorrhage from cerebral cavernous malformations: a population-based cohort study, systematic review, and meta-analysis
Charlotte Hickman, Edinburgh

14.50 Submitted abstract: Climbing the STAIRs for improved clinical translation: NK1 receptor antagonist treatment for the reduction of cerebral oedema and intracranial pressure following stroke in an ovine model
Annabel Sorby-Adams, Adelaide

15.00 Tea

15.15 Poster session

Psychological and Cognitive consequence of stroke

Chairs: Christine Roffe

16.15 What causes dementia after stroke?
Sarah Pendelbury, Oxford

16.40 Apathy – from neurobiology to treatment
Jonathan Tay, Cambridge

17.05 Post-stroke fatigue: From mechanisms to management
Gillian Mead, Edinburgh

17.30 Submitted abstract (Jane White Medical student prize): What are the best predictors of fatigue in CADASIL: Clinical measures or MRI data?
Sam Moore, Cambridge

17.40 Submitted abstract (Medical student) White matter network disruption mediates the association between vascular risk factors and cognitive impairment in a community population
17.50 The relationship between iron status and ischaemic stroke risk
Grace Monori, Imperial College London

18.00 End of session

19.30 Dinner

Thursday 12th September

The future of stroke prevention
Chairs: Hugh Markus, Thompson Robinson

09.00 Personalising anti-platelet treatment to prevent cardiovascular disease
Tabassome Simon, UPMC-Site Saint Antoine, France

09.30 New advances in anti-coagulants
Jesse Dawson, Glasgow

09.55 Blood pressure – its not just systolic and diastolic
Alastair Webb, Oxford

10.20 Submitted abstract: (Medical student prize): Thrombus Permeability and Response to Intravenous Thrombolytic Drugs in Acute Ischaemic Stroke
Fraser Glass, University of Glasgow

10.30 Submitted abstract: Microglial Responses in Post-Stroke and Other Age-Related Dementias
Ayushi Mahesh, Newcastle University

10.40 Submitted abstract: Change in CSF dynamics responsible for ICP elevation after ischemic stroke in rats: A new mechanism for unexplained END?
Mohammed Alshuhri, University of Glasgow

10.50 Coffee break

The blood brain barrier and cerebral small vessel disease
Chairs: Tom Van Agtmael,

11.20 An introduction to the BBB
Inge Mulder, Amsterdam
11.45  Imaging BBB leakage in man
Laura Parkes, Manchester

12.10  Cerebral small vessel disease- from BBB leakage to treatment
Joanna Wardlaw, Edinburgh

12.35  Submitted abstract: Diffusion networks as an outcome measure to evaluate treatment effects in cerebral small vessel disease trials: the PRESERVE trial
Patrick Pflanz, University of Cambridge

12.45  Lunch

Advances in stroke recovery

Chairs: Claire Howard,

13.40  Upper limb rehabilitation – from science to treatment
Nick Ward, UCL

14.05  Profile of post-stroke visual field loss
Fiona Rowe, Liverpool

14.30  Understanding post-stroke dysphagia
Shaheen Hamdy, Manchester

PLENARY LECTURE

Chair: Stuart Allan

14.55  The microbiome and stroke
Arthur Liesz, Munich

15.35  Concluding remarks & poster prizes

15.45  Close of meeting
Posters

Poster session 11th September 15.15-16.15

In addition posters will be on display all day 11 September and possible to view during all breaks. Poster presenters to stand by posters during poster session on 11th September. There will be a poster prize awarded at the closing session.

1. Feasibility and Variability of Automated Pupillometry Among Stroke Patients and Healthy Participants: Potential Implications for Clinical Practice
   Matthew Marshall; Ritesh Deo; Charmaine Childs; Ali Ali (University of Sheffield)

2. The Ischaemic Cascade and Novel and Most Recent Therapeutic Targets for Neuroprotection Strategies (A Review)
   Adrian Mohit (King’s College London)

3. TBC
   Anjali Seedher (Keele University)

4. Structural neural mechanisms of post-stroke compensation in chronic aphasia
   Anna Woollams; Ajay Halai; Matt Lambon Ralph (University of Manchester; University of Cambridge)

5. A year in the life of SPATIAL (a feasibility Study of Prisms And Therapy In Attention Loss after stroke)

6. Manipulating brain macrophages to enhance brain repair and functional recovery after stroke
   Adrian Olmos-Alonso, Alicia Garcia-Culebras, Alessio Alfieri, Lucas Lefevre, Alison Harris, Ignacio Lizasoain, Maria Moro; David A. Hume; Barry W. McColl (University of Edinburgh; Universidad Complutense de Madrid; University of Queensland)

7. Blood-brain barrier dysfunction in hypertensive rats assessed using gadolinium-enhanced and water exchange MRI
   Ben R Dickie; Herve Boutin; Geoff JM Parker; Stuart M. Allan; Laura M. Parkes (University of Manchester; University College London)

8. Is a Mobility Assessment Course (MAC) useful in the functional assessment of post-stroke hemianopia?
   Claire Howard; Fiona Rowe (University of Liverpool)

9. A systematic review of treatment parameters for post-stroke upper limb functional electrical stimulation
   Scott G; Harrop D; Sage K; Smith C (Sheffield Hallam University)
10. Do stroke patients presenting to Royal Alexandra Hospital get timely and appropriate investigations?  
   Ghulam Nawaz (University of Glasgow)

11. Call to hospital times for suspected stroke patients in the North East of England: a service evaluation  
   Graham McClelland, Daniel Haworth (North East Ambulance Service NHS Foundation Trust)

12. A 12 Month Follow-Up of the Re-Education of Arm and Hand Function Following Stroke (REACH)  
   Luckie H; Smith C; Williams A; Kenney L (Sheffield Hallam University; University of Salford)

13. Direct presentation vs Patient transfer: A comparison of thrombectomy outcome  
   Jake Weddell; Christine Roffe (Royal Stoke University Hospital; Keele University)

14. Lacunar infarcts are related to domain-specific quality of life deficits in symptomatic small vessel disease  
   Jeevan Fernando; Robin B. Brown; Hugh S. Markus; Jonathan Tay (University of Cambridge)

15. Association of Prior Antiplatelet Therapy on Stroke Severity at Admission in Stroke Patients in Scotland: A National Database Study  
   Kadie-Ann Sterling; Mary J Macleod; Peter Langhorne; Melanie Turner; Scottish Stroke Care Audit (University of Glasgow; Institute of Applied Health)

16. Intracranial Haemorrhage on Anticoagulation Management Audit  
   Kiran Saif; Christina Donnellan (South Tipperary General Hospital)

17. What to include in a new patient reported outcome measure for post-stroke visual impairment: a Nominal group approach  
   Lauren Hepworth; Fiona Rowe; Girvan Burnside (University of Liverpool)

   LS Wong; TJ Quinn; D Doherty; BA Drozdowska (University of Glasgow)

   Lydia Dean; Nithya Kadiyala; Ryc Aquino; Ricky Mullis; Lisa Lim (University of Cambridge)

20. Cerebrovascular burden and degeneration of normal appearing white matter underlies executive impairment after ischaemic stroke  
   Michele Veldsman; Emilio Werden; Natalia Egorova; Mohamed Salah Khilif; Amy Brodtmann (University of Oxford; University of Melbourne)
21. Patient Relevant Outcomes at 6 months after a stroke and their association with National Institutes of Health Stroke Scale (NIHSS) on admission to hospital.
   N Bains; A Smith; B Carter; J Hewitt (Cardiff University; King’s College London)

22. Post-stroke cognition with the Oxford Cognitive Screen vs Montreal Cognitive Assessment: a multi-site randomized controlled study (OCS-CARE)
   Nele Demeyere; Shuo Sun; Elise Milosevich; Kathleen Vancleef (University of Oxford; KU Leuven, Belgium)

23. Early Mobilisation after Stroke Thrombolysis: Exploration of Current UK Physiotherapy Practice
   Nicola Turner; Karen Jones (Cardiff and Vale University Health Board; Cardiff University)

24. How is stroke care managed in general practices in the East of England and East Midlands?
   Nithya Kadiyala; Lydia Dean; Ryc Aquino; Ricky Mullis; and Lisa Lim (University of Cambridge)

25. Preconditioning with interleukin-1 alpha improves the neuroprotective properties of human mesenchymal stem cells in a model of focal cerebral ischaemia
   Raymond Wong; Emmanuel Pinteaux; Stuart Allan; Craig Smith; Nancy Rothwell (University of Manchester)

26. Natural history of white matter hyperintensity progression in small vessel disease: vascular mechanisms and cognitive consequences
   Robin B. Brown; Jonathan Tay; Hugh S. Markus (University of Cambridge)

27. Association between retinal vascular measures and silent brain lesions in healthy young adults
   Valia Rodriguez-Rodriguez; Yilian Costantin; Rebekka Heitmar (Aston University, Birmingham; Cuban Centre for Neurosciences)

28. Users experience of power assisted exercise following stroke: An interpretative phenomenological analysis
   Rachel Young,

29. Post Stroke Neglect Service Improvement Project on an Acute Stroke Unit: A Knowledge Translation Intervention Study
   Vicki Collie; Dr Usman Ghani; Dr Awolkhier NurHussien; Andrew Gadie; Dr Christian Holmes (University Hospital Coventry Warwickshire NHS Trust)

30. Management of poor-grade aneurysmal subarachnoid haemorrhage: a retrospective cohort study on the optimal timing of intervention
   A Gittins; A Gilani; T Veenith (University Hospitals Birmingham NHS Trust)

31. Cell Senescence and Cerebral Small Vessel Disease in the Brains of Older People, Aged 80+
Emma Norton; Leslie Bridges; Lawrence Kenyon; Margaret Esiri; Dorothy Bennett; Atticus Hainsworth (University of London; St George’s University Hospitals NHS Foundation Trust; Thomas Jefferson University Hospital; Oxford-Radcliffe NHS Trust; Oxford University)

32. Anxiety and depression after aneurysmal subarachnoid haemorrhage
   Lydia Isted; Louise Dulhanthy; Hiren C Patel (University of Manchester; Salford Royal NHS Foundation Trust)

33. A systematic review and meta-analysis of risk factors for pregnancy-associated stroke
   Rebecca Green; Nikola Sprigg; Laila Tata (University of Nottingham)

34. Scottish stroke patient rare variant discovery in the COL4A1 and COL4A2 genes
   Graham Hamilton; Rustam Al-Shahi Salman; Ian Deary; Tom Van Agtmael (University of Glasgow; University of Edinburgh)