NIHR STROKE RESEARCH WORKSHOP 2018

Date: Tuesday 11th and Wednesday 12th September 2018
Location: Clare College, Cambridge

Arranged under the auspices of the NIHR CRN Stroke Speciality.
Supported by BASP, The Stroke Association, Cambridge Cardiovascular and an unrestricted educational grant from Astra Zeneca.

Programme

11th September

Pre-meeting- How could mentorship help me?
Open to all but particularly focussed on trainees

Chairs: James Stefaniak, Hugh Markus

11.00 Setting up a mentoring relationship
Elizabeth Benedikz, Programme Officer, Academy of Medical Sciences

11.20 My experience of mentoring
Adrian Parry Jones, Manchester

11.35 My experience of mentorship
Stephanie Rossett, UEA

11.50 Q and A

12.00 Lunch

Introductory lecture

13.00 Welcome: Hugh Markus (Cambridge)

13.05 Plenary Lecture
Increasing Value and Reducing Waste in Translational Stroke Research
Uli Dirnagl, (Berlin) introduced by Stuart Allan (Manchester)
**Acute Stroke / Reperfusion**

*Chair: Tom Robinson;*

13.40 Reperfusion - Current Best Practice; Next Big Questions  
Carlos Molina, (Barcelona)

14.10 Better Understanding Reperfusion in Pre-Clinical Models – How Can We Do Better  
Claire Gibson, (Leicester)

14.30 Submitted abstract: Efficacy and safety of head down tilt 15° as collateral therapeutic in experimental ischemic and haemorrhagic stroke  
Simone Beretta (Milano Bicocca, Monza, Italy)

14.45 Submitted abstract: Interleukin-1 mediates ischaemic brain injury via distinct actions on endothelial and neuronal cells  
Raymond Wong (Manchester, UK)

15.00 Tea

15.15 **Poster session**

**The Inflamed Brain**

*Chair: Tom Van Agtmael,*

16.15 Inflammation and Stroke - an Introduction  
Stuart Allan, (Manchester)

16.40 Immunosuppression Post Stroke and What Could it Mean for the Patient  
Craig Smith, (Manchester)

17.05 Inflammation as a Cause of Recurrent Stroke and Intervening to Prevent Recurrent Stroke  
Peter Kelly, (Dublin)

17.30 Special Lecture: 100000 Genomes Project, Personalised Medicine, and its Impact on Healthcare – introduced by Hugh Markus  
Prof Lucy Raymond, Department of Genetics, Cambridge

19.30 **Dinner – Clare College Great Hall**
12th September

Heart and Brain

Chair: Elizabeth Warburton;

9.00 PFO - What do we Know Now and What do we Need to Know 
Nic Weir, (Southampton)

9.30 Does ESUS Really Exist? 
Roland Veltkamp, (Imperial College, London)

10.00 Panel discussion - What are the next BIG questions in Cardioembolic Stroke? 
Nic Weir, Roland Veltkamp 
Elizabeth Warburton,(Cambridge) Clinical Lead NICE stroke guidelines

10.20 Submitted abstract: Platelet receptor Glycoprotein VI-dimer could represent a promising future anti-thrombotic target. 
Isuru Induruwa (Cambridge)

10.35 Medical student bursary top ranked abstract: In Vitro comparison of Aspiration and Stentriever Thrombectomy Techniques 
W Jakobek,(Stroke on Trent)

10.50 Coffee break

New Technologies in stroke recovery

Chair: Christine Roffe

11.20 Predicting Recovery in Aphasia using Neuroimaging  
Cathy Price (UCL, London)

11.50 Developing Apps to Support Practice-Based Rehabilitation after Stroke  
Alex Leff (UCL, London)

12.20 Submitted abstracts (10 min + 3 min questions) :

12.20 Apraxia and the temporal lobe in action: a role for biological motion  
Elisabeth Rounis (Oxford)

12.33 An Activation Likelihood Estimation (ALE) meta-analysis of the language network post stroke  
James D Stefaniak (Manchester)

12.46 Increased blood brain barrier permeability and inflammation in cerebral small vessel disease  
Jessica Walsh (Cambridge)

13.00 Lunch
13.40 Translation and Communication

Chair: Gary Ford

13.40 Presenting your research to the public
James Rudd Cambridge
(James Rudd is a senior lecturer in the Department of Medicine at Cambridge University. In 2017, he was a British Science Association Media Fellow and worked full time at The Guardian newspaper for one month. He will explain what the media and the public are looking for in a healthcare story - and how to get yours out there)

14.10 Invited lecture
Using Brain Imaging in Predicting Treatment Responses in the Acute Ischaemic Brain
Patrik Michel, (Lausanne)

14.40 Submitted abstract: Advanced imaging to assess tissue viability after stroke
Smriti Agarwal (Cambridge and Newcastle Australia)

14.55 Plenary Lecture: Translation into Clinical Trials and Back - the story of NO
Philip Bath (Nottingham)

15.35 Close: prizes and Workshop 2019

Posters

**There is a formal poster session 11th September 15.15-16.15**

*In addition posters will on display throughout the meeting and possible to view during all breaks. Poster presenters to stand by posters during poster session on 11th*

*There will be a poster prize awarded at the closing session.*

NRF2 pathway response in humans after intracerebral haemorrhage. Edwar Christopher, Jeremy Hughes, Rustam Al-Shahi Salman, Colin Smith (Edinburgh) (medical student presentation)

Framingham Vascular Age is Associated with Worse Cognitive Performance in the Middle-aged and Elderly. Abdul Badran, Matthew J Hollocks, Rebecca L Brookes, Robin G Morris, Hugh Markus (University of Cambridge, and Kings College London) (medical student presentation)

Beyond the Brain: A Systematic Review of Extra-Neurological Phenotypes associated with Mutations in Mendelian Cerebral Small Vessel Disease Genes. David Henshall, Kristiina Rannikmae, Cathie Sudlow (Edinburgh) (medical student presentation)

A novel imaging modality (Fast Field-Cycling MRI) identifies ischaemic stroke at ultra-low magnetic field strength. A novel imaging modality (Fast Field-Cycling MRI) identifies ischaemic stroke at ultra-low magnetic field strength. (Aberdeen Royal Infirmary, University of Aberdeen)

CTA in Acute Ischaemic Stroke.
Dilani Perera, Revin Thomas, Anand Dixit  
(Royal Victoria Infirmary, Newcastle)

How to be effective in recruiting to stroke trials.  
Emma Richards, Jo Howe, Chris Kamara, Clare Doyle, Geoff Dunn, Keith Endean,  
Rachel Bainbridge, Kirsty Harkness (Sheffield Teaching Hospitals)

Performance in the Brief Memory and Executive Test is associated with structural brain changes in chronic obstructive pulmonary disease patients  
Burrage DR, Bajaj MPJ, Ruickbie S, Dodd JW, Barrick T, Jones PW, and Baker EH  
(St George's, University of London; Southmead Hospital, Bristol)

Adaptation to post stroke visual field loss: a systematic review  
Claire Howard and Fiona Rowe (University of Liverpool)

The Cognitive Profile of Superficial Siderosis.  
Flores Martin A, Banerjee G· Chan E, Cipolotti L, Werring D  
(UCL Institute of Neurology And National Hospital for Neurology and Neurosurgery)

End-user perspectives in developing portable patient-led virtual reality tools for assessment and therapy of spatial neglect post-stroke  
Helen Morse, Valerie Pomeroy, Laura Biggart, & Stephanie Rossit (University of East Anglia)

Medial Temporal Lobe Atrophy following Stroke: preliminary results from HiPPS-CI study  
Laverick R., Wilson M., Todd E., Ispoglou S, Sims D., Sawlani V., Hayton T., Auer D.P.,  
Nader K., Evans R., Rotshtein P. And Hosseini A.A  
(University of Birmingham, Sandwell and West Birmingham NHS Trust, University Hospitals NHS Trust Birmingham, Nottingham University Hospitals NHS Trust)

Recovery trajectories following stroke: the proportional recovery rule in cognition  
Rosanna Laverick; Akram A. Hosseini; Wai-Ling Bickerton; Nele Demeyere; Don Sims;  
Pia Rotshtein,  
(University of Birmingham, Nottingham University Hospitals NHS Trust, University of Oxford, University Hospitals NHS Trust Birmingham)

Development of a new patient reported outcome measures for measuring the impact of visual impairment following stroke on quality of life  
Lauren R Hepworth, Girvan Burnside, Fiona J Rowe  
(University of Liverpool, UK)

Incidence and point prevalence of visual impairment following stroke  
Fiona J Rowe, Lauren Hepworth, Kerry Hanna, Claire Howard  
(University of Liverpool)

Understanding the role of SAMHD1 in haemorrhagic stroke  
Paul Kasher, Siobhan Crilly, Gillian Rice, Adrian Parry-Jones, Stuart Allan and Yanick Crow.  
(University of Manchester, University of Edinburgh)

CPD approval RCP: 12 credits. (subject to approval)