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 Rossit, 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.  
Posters 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  
Edward 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  
Macleod MJ, Broche LM, Ross PJ, Guzman-Gutierrez G, Murray A, Lurie DJ (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
Burrag 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 approved RCP: 12 credits
REGISTRATION:
http://www.neurology.cam.ac.uk/neurology-unit-research-groups/stroke-research-group/events/nihr-stroke-research-workshop-2018/