



# UK Stroke Research Workshop 2025

**Wednesday 3rd and Thursday 4th September 2025**

**David Shaw Lecture Theatre, The Medical School, Newcastle University.**

The British and Irish Association of Stroke Physicians, the Stroke Association and NIHR RDN Stroke National Specialty Group are delighted to support the 2025 UK Stroke Research Workshop at Newcastle University. This follows highly successful workshops held in Cambridge, Manchester, Leicester, Sheffield, London and Keele. The first morning is an workshop for doctors in training and medical students. High scoring submitted abstracts will be offered oral presentation. Posters of submitted abstracts will be on display during the meeting.

Website: <https://www.strokeworkshop.uk/> Registration opens Spring 2025.

Location: David Shaw Lecture Theatre, The Medical School, Newcastle University. NE2 4HH  
what3 words: ///dance.rival.wished Nearest public car parking is Claremont Road

## Programme

### Wednesday 3rd September 2024

**1020 Welcome**

**10:30- 12:15: Workshop: Big Data and Stroke– an introduction for early career researchers**

**Chairs: Will Whiteley and Chris Price**

**10:30** Big data - an overview illustrated by the BHF Data Science Centre - Will Whiteley (Edinburgh)

**10:50** Getting big data fit for analysis – Health Data Science Team, HDRUK

**11:10** Machine learning analysis: orientation for the novice – Mike Allen (Exeter)

**11:30** Example of machine learning analysis for a stroke PhD – Hannah Lumley (Newcastle)

**11:40** Discussion

**11:50** Planning a research question

**12:15 – 1300 Lunch, posters and non-trainees arrival**

## **Session I: Brain and heart**

**Chair: Christine Roffe and Yuki Kawamura**

**1300-1320:** Different types of AF and their implications: Alan Cameron (Glasgow)

**1320-1325: Discussion**

**1325-1345:** Identifying Biomarkers to predict the risk of recurrent stroke from AF- a journey of discovery: Mira Katan (Zurich)

**1345-1350: Discussion**

**1350-1410:** Heart–brain axis in health and disease: role of innate and adaptive immunity

Alba Simats (Barcelona)

**1410-1415: Discussion**

**1415-1425: Submitted abstract**

**1425-1435: Submitted abstract**

**1435-1540: Poster tours (with tea/coffee)**

## **Session II: Intracerebral haemorrhage**

**Chair: David Werring and Alastair Webb**

**1540-1600:** Classification, diagnosis and prognosis in ICH: Adrian Parry Jones (Manchester)

**1600-1605: Discussion**

**1605-1625:** How animal models help us understand ICH: Paul Kasher (Manchester)

**1625-1630: Discussion**

**1630-1650:** What is the inflammatory contribution to the injury of ICH: Barry McColl (Edinburgh)

**1650-1655: Discussion**

**1655 – 1705: Submitted abstract**

**1705-1715: Submitted abstract**

**1715: Close Day 1**

## Thursday 4<sup>th</sup> September 2025

### **Session III: Less common causes of stroke**

**Chair: Hugh Markus and Arshad Majid**

**0900-0920:** Update on CADASIL and monogenic forms of small vessel disease: Saskia Lesnik Oberstein (Leiden)

**0920-0925: Discussion**

**0925-0945:** Cerebral venous thrombosis; new treatment approaches: Anita van de Munckhof (Amsterdam)

**0945-0950: Discussion**

**0950-1010:** Moya-Moya disease – the case for revascularisation: Mario Teo (Bristol)

**1010-1015: Discussion**

**1015-1025: Submitted abstract**

**1025-1035: Submitted abstract**

**1035-11.25: Posters (with tea/coffee)**

### **Session IV:**

**Translational rehabilitation research**

**Chair: Lisa Shaw and Claire Howard**

**1125-1145:** The science behind motor imagery: Dan Eaves (Newcastle)

**1145-1150: Discussion**

**1150-1210:** Neural substrates for the flexor synergy: Stuart Baker (Newcastle)

**1210-1215: Discussion**

**1215-1235:** Technologies supporting motor rehabilitation and assessment after stroke. Paul Bentley (Imperial)

**1235-1240: Discussion**

**1240-1250: Submitted abstract**

**1250-1300: Submitted abstract**

**1300: Lunch**

**1400-1420: Professor Pippa Tyrell Award Lecture**

**Session V : Vascular cognitive impairment**

**Chairs: Stuart Allan and Tracy Farr**

**14.20-14.40:** Mechanisms underlying VCI- insights from experimental studies: Karen Horsborough, (Edinburgh)

**14.40-14.45: Discussion**

**14.45-15.05:** Immune responses after stroke and the impact on cognition: Craig Smith (Manchester)

**15.05-15.10: Discussion**

**15.10-15.30:** What can data science tell us about cognitive decline after stroke? Eugene Tang (Newcastle)

**15.30-15.35 : Discussion**

**1540: Concluding remarks and prizes**

**1600: Close**