



## MANCHESTER NEUROSCIENCE SEMINAR SERIES

FROM THE UNIVERSITY OF EDINBURGH

# DR BARRY MCCOLL

Hosted by Dr Cath Lawrence

**"Myeloid cell mechanisms of resilience and repair in cerebrovascular disease"**

Cerebrovascular disease is the most common cause of neurological disease burden worldwide. In addition to the physical consequences of acute stroke, cerebrovascular dysfunction and pathology causally contribute to cognitive impairment across the spectrum of dementias. Microglia and related myeloid cells are involved in a range of neurovascular interactions and increasing evidence suggests they mediate resilience and adaptive responses to various forms of cerebrovascular disease, both acute and chronic. In this seminar, I will describe our recent work investigating microglial mechanisms of resilience and repair in the context of cerebrovascular disease and highlight the implications for understanding and treating common vascular disorders of the brain, including stroke and dementia.

**MARCH • 22ND • 2023**

**2.00pm - 3.00pm**

**HYBRID DELIVERY**

Michael Smith Lecture Theatre and online

<https://zoom.us/j/98763951646>

Meeting ID: 987 6395 1646

**EVERYONE WELCOME**