

# McCulloch Group

- **Brain injury**, such as stroke, has systemic effects on immune function that leave patients more susceptible to infection
- **Infection** increases mortality, disability and cost of patient care
- We have **no effective therapeutics** to prevent/ treat this
- We know little about the effects on the **adaptive immune system** and **immunological memory**
- **Neuroimmune communication** modulates these effects, however we are still learning about these signals in health and disease

## The effects of brain injury on systemic immune function

