

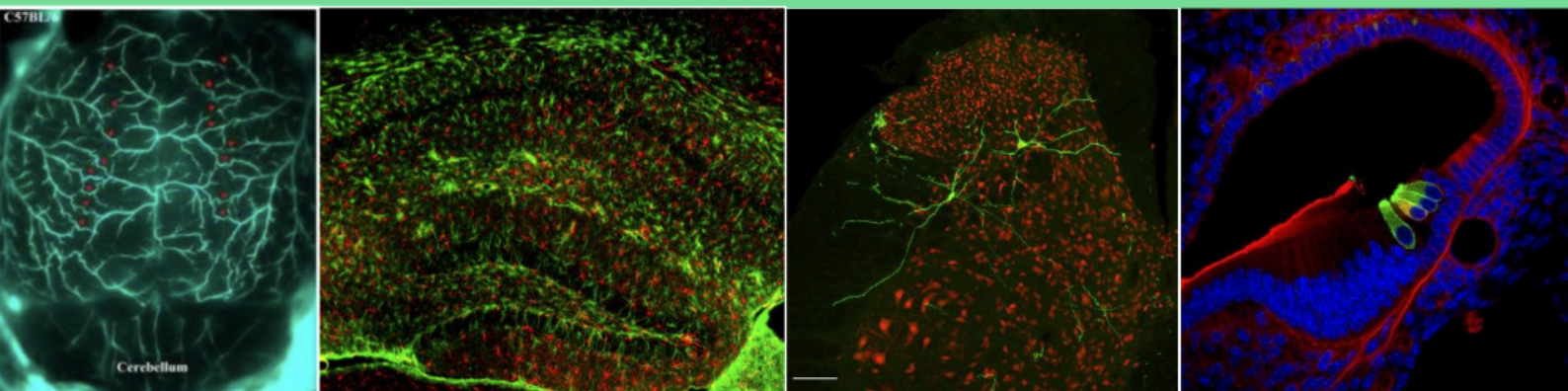
Neuroscience research

School of biomedical sciences and pharmacy, UoN

We study how different parts of the nervous system work including the **spinal cord**, **sensory systems** for hearing & balance, and **the brain**

Understanding function in health, and what can go wrong in **pain**, **mental illness**, **aging**, **stroke**, **stress** and other disorders

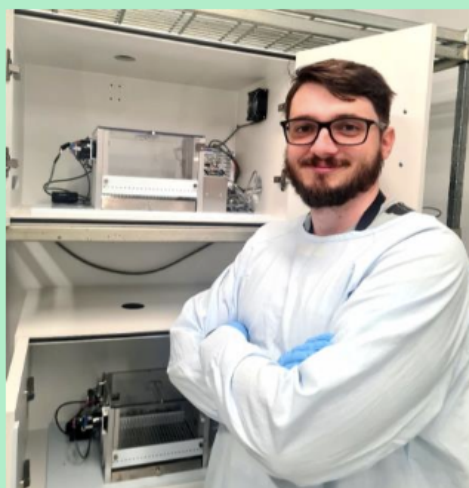
We use many different techniques to study how the nervous system works:



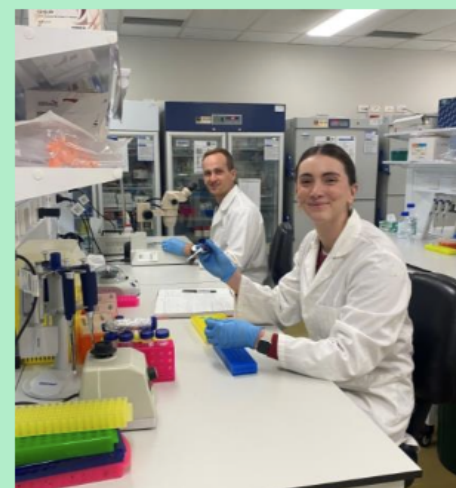
Staining & imaging Left to right: blood vessels in the brain (*Drs Daniel Beard and Kirsten Coupland*), inflammatory cells (microglia) in the brain (*Dr Mel Tardros*), spinal cord (*Dr Tyler Browne*), hair cells in the inner ear (*Hannah Drury*)



Electrical recordings
(*Dr Jackie Iredale*)



Behaviour & physiology assays
(*Nick Burton*)



Gene & protein measures
(*Ethan Cresswell & Renee Bevege*)