

Project Title	Biofunctionalising electrodes through conductive hydrogel coatings
Supervisor	Dr Rylie Green
Theme(s)	Regenerative Medicine and Biomaterials Medical Devices
Project Type	Lab based
Project Description	<p>Peripheral nerves cuffs can have their biointegration improved through the use of conductive hydrogel coatings. One of our long-term goals is to improve the long-term performance of these electrodes.</p> <p>This project will investigate reducing inflammation at the site of implantation by the incorporation and release of anti-inflammatory mediators from the hydrogel coatings. Different mediators will be investigated along with different release methods and how this impacts the performance of the cuff electrodes.</p>