

Project Title	Spinal cord bridge
Supervisor	Dr Rylie Green
Theme(s)	Molecular and Cellular Bioengineering Neurotechnology and Robotics
Project Type	Lab based
Project Description	<p>Nerve regeneration in an injured spinal cord is often restricted. One possible reason may be the lack of topographical signals from the material constructs to provide contact guidance to invading cells or re-growing axons.</p> <p>This research project aims to evaluate randomly oriented or aligned collagen fibers coated on cuff electrodes to study device topographical effects on astrocyte behavior and neurite outgrowth respectively, using electrical regimes.</p>