

<b>Project Title</b>	Living Bionics: Stimulation to drive neural network development
<b>Supervisor</b>	Dr Rylie Green
<b>Theme(s)</b>	Molecular and Cellular Bioengineering Neurotechnology and Robotics
<b>Project Type</b>	Lab based
<b>Project Description</b>	<p>Electrical stimulation has been demonstrated to induce directional neurite growth in various cell types, both human and non-human using biphasic stimulation.</p> <p>This research project aims to evaluate a range of sinusoid stimulation frequencies to drive activity, growth and release of neurotransmitters of developing neurons using a cell stimulation rig made in house.</p>