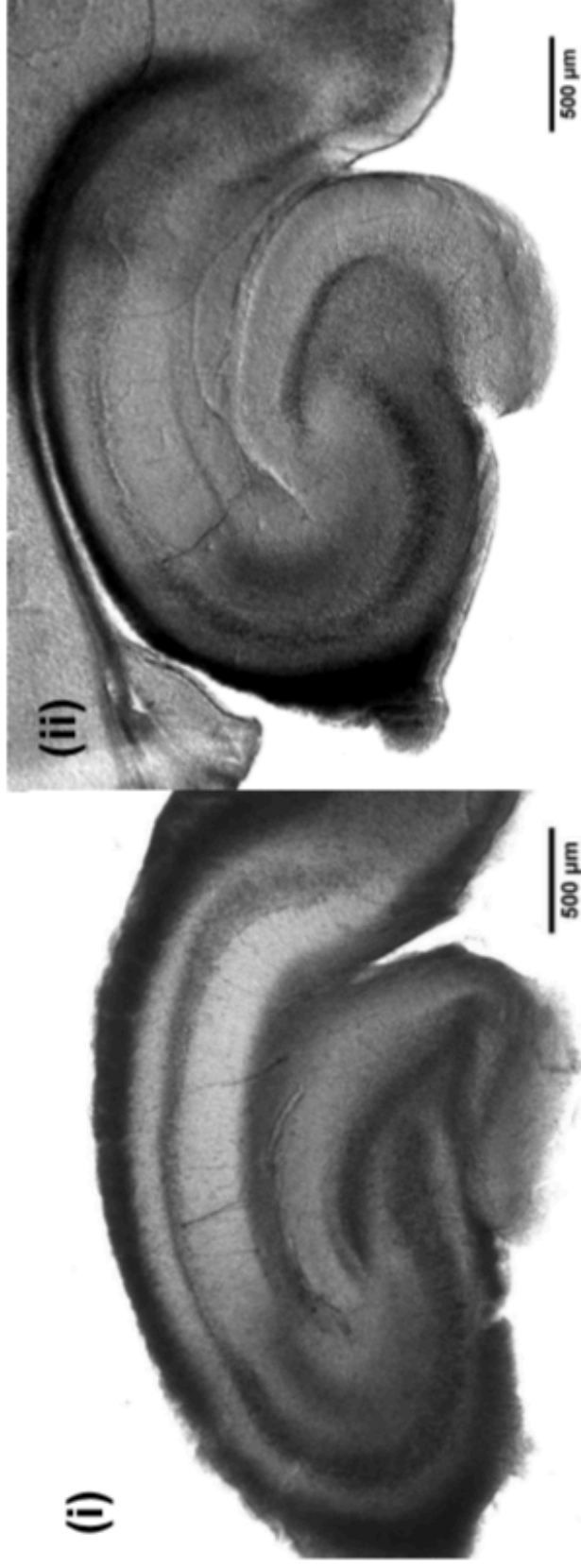


Figure 1. Hippocampal slice physiology



Hippocampal slices were prepared following transcardial perfusion of rats. Blocking cuts were made to isolate the dorsal (i) and ventral (ii) hippocampus prior to mounting on a vibrating microtome for 350 µm slices which were kept in cutting saline of the following composition (in mM): 125 NaCl, 2.5 KCl, 1.25 NaH_2PO_4 , 25 NaHCO_3 , 2 CaCl_2 , 2 MgCl_2 , 12.5 dextrose, 1.3 ascorbic acid, and 3 sodium pyruvate (continuously bubbled with 95% O_2 / 5% CO_2).