Figure S1. Retinal explantation procedure. Whole eyes enucleated from rats were immersed in ice-cold HBSS (S1a). Each eye was incised circumferentially at the limbus (S1b). The anterior chamber, iris, and lens were removed (S1c-d). After removal of the vitreous, the retina was carefully peeled away from the retinal pigmented epithelium using a fine paint brush (S1e). After complete retinal detachment, the optic nerve was cut at the level of the optic nerve head (S1f). Whole retinas were sectioned radially into four equally-sized pieces (S1g). Retinal explants are transferred to Millipore filters where they were placed retinal ganglion cell side up in 300 µL of media (S1h). Scale bars = 6mm.