**Graphical user interface

Description automatically generated**

**Supplementary Figure1**. Representative images of immunodeficient RCS rat retinas implanted with iPSC-RPE monolayer (shown by RPE65 expression) cultured on a parylene membrane assessed at 1-month post implantation. Additional labelling of the retina sections was performed for expression of (a) CD68 (macrophages/ microglia) and (b) GFAP (glial cells).

A screenshot of a video game

Description automatically generated

**Supplementary Figure2.** Representative images of immunodeficient RCS rat retinas implanted with iPSC-RPE monolayer (shown by RPE65 expression) cultured on a parylene membrane assessed at 1-month post implantation. Additional labelling of the retina sections was performed for expression of classical mesenchymal markers(a) vimentin and (b) α smooth muscle actin (α SMA).