



Workshop on Culturing Eye Cells

In this workshop participants will be introduced to eye anatomy, physiology, and histology. Ocular diseases animal modeling and visual behavioral test in animal models will be taught.

In this workshop you will learn:

- Mouse eye enucleation
- Correct method for optic nerve dissection
- Retinal cell lines culturing (ARPE19, Retinoblastoma, and RGC5)
- Preparation of appropriate culture medium for each eye cell
- Primary culturing of mice corneal, retinal ganglion cells, and retinal pigment cells
- Microscopic investigation of cultured corneal, ganglion, and retinal pigment cells

This workshop is suitable for graduates and students of all academic levels in biology, paramedical, and medical fields.