

Growing retinal cells is like caring for a baby... the work can't stop



Our ocular tissue engineering laboratory runs 7 days a week, 365 days a year.

The baby cells need constant feeding. Temperature and oxygen levels can't change. If just one bacteria or fungal pore lands on a cell culture dish, many months of work are wasted.

Each cell in your body carries your entire genetic blueprint. Here at the Lions Eye Institute we are using skin cells to make copies of a patient's retina cells which have the same genetic errors that caused their inherited eye disease. Using this patient disease modelling pipeline, researchers at the Lions Eye Institute are finding new ways to treat the most common forms of inherited retinal diseases.

