

Micro-BRB:

Microfluidic model of retinal neurovascular unit to identify new therapeutic targets in diabetic retinopathy

ADRESSED PATHOLOGY:

Ophthalmology/ Diabetic Retinopathy

GENERAL OBJECTIVE:

To develop a microfluidic cell co-culture system that mimics the neurovascular structure of the retina. This organ-on-a-chip will be used for the study of the underlying mechanism responsible for the abnormalities of the retina and the hidden causes of the blood-retinal barrier breakdown in diabetic retinopathy.

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