

Project 3.4 Application of the TRP calcium channels in vision restoration

Supervisor: dr Andrzej Foik / dr hab. Ewa Kublik

Institute: of Physical Chemistry

Unit: Research group No. 3. Physical Optics and Biophotonics Group - prof. dr hab. Maciej Wojtkowski

www: www.icter.pl

Background:

Retinal degeneration diseases are the main cause of blindness in modern society. At the International Centre for Translational Eye Research, we are investigating mechanisms of degenerative diseases and work on new and innovative therapies using unconventional viruses to restore vision in blind animals.

Aim:

The goal of this project is to screen the library of the TRP channel family to find the best candidate to improve light sensitivity after gene therapy.

Requirements:

We look for candidates that are:

- fluent in English: spoken and written,
- have Master's degree in biology, medicine, biotechnology or equivalent ,
- have experience in the laboratory work,
- have good work culture and strong dedication