

Project 3.10 The role of the basal forebrain in visual processing

Supervisor: dr hab. Ewa Kublik/ dr Andrzej Foik

Institute: ICP PAS Group

Unit: Ophthalmic Biology Group

WWW: <https://www.icter.pl/>

Background:

The Project will be realized in the Ophthalmic Biology Group (OBi) led by Andrzej Foik Ph.D. OBi Group within the Institute of Physical Chemistry Polish Academy of Sciences is assigned to the International Centre for Translational Eye Research (ICTER). ICTER is funded within the International Research Agendas Program of the Foundation for Polish Science. It is collaboration between the Institute of Physical Chemistry PAS and University College London, UK. ICTER led by prof. Maciej Wojtkowski is a multi-investigator centre for eye research with the use of the latest advancements in optics, engineering, chemistry, biophysics, and biology to support progress in understanding the etiology and development of treatment for human blinding diseases. Further information on the research priorities and current expertise of our Center can be found at <http://www.icter.pl>.

Aim:

The goal of the research conducted by dr Foik's Ophthalmic Biology Group is to describe visual information processing in the visual system before and after changes that happen due to disease or vision recovery. Efforts of the research group will be focused on the development of new gene therapies to inhibit processes leading to vision loss.

Requirements:

- Master degree in biology, biotechnology and related;
- Ability to work in a team and manage projects;
- Strong work dedication, work ethics, discipline and independence;
- Good problem-solving skills and creativity;
- Proficiency in English, both spoken and written;
- MS Office (additional skills in graphic programs will be an asset).