NEURO- OPHTALMO BIOLOGÍA. BIOMARKERS & BIOINFORMATIC TOOLS

Company Description

GOBE group www.ehu.eus/gobe
We are a multidisciplinary group of biologists, biochemists, ophthalmologists and veterinarians, who share a common goal: to resolve the problems that arise in the visual system and to find solutions to these using different approaches. The group leader is Dr Elena Vecino, Professor of Cell Biology at the Faculty of Science and Technology (UPV/EHU). Among the other members of the group are Dr Juan Durán de la Colina, Professor of Ophthalmology, and Dr Javier Araiz, Tenured Lecturer of Ophthalmology. The team now forms a consolidated group, recognised as such by the Basque Government. What are our main research objectives?
Using animal models of glaucoma, organotypic retinal cultures and cell cultures, our main objectives are: To study the molecular mechanisms that trigger retinal neuron death in glaucoma. We aim to characterize factors or molecules that provide neuroprotection to the retina and to propose strategies that will protect retinal ganglion cells. We also focus our efforts on studying the Glia-neuron interactions in the retina (Prof. Elena Vecino, and Drs Noelia Ruzafa and Xandra Pereiro) To study the factors that trigger Glaucoma, paying particular attention to the aqueous humor, trabecular meshwork and Schelmm's canal (Dr Aritz Urcola and Dr Elena Vecino) To investigate the mechanisms causing retinal inflammatory

Information

Deadline: 2021-10-15
Category: Academia
Province: Bizkaia
Country: Spain
City: Leioa

Company

UPV/EHU

Main functions, requisites & benefits

Main functions

The position is offered within an ELKARTEK Project. Knowledge of statistics (spss or similar) and data analysis (machine learning, Random forest ...).

Requisites

Graduates or Doctors in Biology, Biochemistry or Biotechnology who are interested in the field of Biomedicine and Data Engineering. Knowledge of statistics (spss or similar) and data analysis (machine learning, Random forest ...). Strong work commitment and capacity for independent work, but also as a member of the team. Interpersonal and communication skills.

Benefits

A dynamic and respectful work environment in a highly motivated team with diverse knowledge, competencies, research backgrounds and career stages. The successful candidate will benefit from an excellent scientific environment, up-to-date technologies and the supervision of international leaders in the field. To learn to integrate multidisciplinary academic and clinical aspects in your research work.