

School VI Medicine and Health Sciences comprises the fields of human medicine, medical physics and acoustics, neurosciences, psychology and health services research. Together with the four regional hospitals, School VI forms the University Medicine Oldenburg. Furthermore, there is close cooperation with the University Medicine of the University of Groningen.

In the University Clinic for Ophthalmology (Head Prof. Dr. Dr. Stefan Schrader), Laboratory for Experimental Ophthalmology, Department of Human Medicine of Faculty VI - Medicine and Health Sciences of the Carl von Ossietzky University of Oldenburg is available

1 PhD position (m/f/d)

(E13 TV-L, 65%)

starting as soon as possible for an initially limited period of 3 years. There is the possibility of personal scientific qualification [doctorate].

We offer:

An exciting project in the field of translational regenerative medicine and tissue engineering. This DFG-funded research project aims to investigate a new matrix for the reconstruction of the ocular surface. The doctoral students receive comprehensive and transdisciplinary training in the field of tissue engineering and specialise in the latest methods of regenerative medicine and molecular biology as well as animal experiments. The aim of this project is to produce a patient-specific, transparent and GMP-compliant tissue substitute for the regeneration of the ocular surface. The matrices based on human corneal cells, which have already been successfully established and tested in vitro, will be analysed for their biocompatibility in a mouse model in this project. An essential part of the project is therefore working with an animal model; cell culture-based methods, histological and immunohistological procedures, detection methods at RNA (qRT-PCR) and protein level (Western blot, FACS) are also used.

Requirements are:

Recruitment requirements are a university degree with a scientific orientation (biology, biomedicine, life science or comparable). Your research interests should be in regenerative, translational medicine. Knowledge of animal experiments is required, including FELASA certificate (or comparable qualification) as well as the willingness to perform animal experiments. Experience in cell culture, molecular biology techniques and immunohistochemical analyses is also desirable. You should be able to work in a team and show high motivation and determination for laboratory work. Good knowledge of English and at least basic knowledge of German is expected.

Desirable are:

Experience in the planning, implementation and evaluation of scientific studies, as well as the preparation of scientific presentations and publications are desirable.

As well as a high degree of independence, flexibility and the ability to work in a team and a willingness to work in an interdisciplinary environment

We offer:

A varied, stimulating and challenging field of activity with the opportunity for self-determined work. We offer the opportunity for academic qualification (doctorate). The Carl von Ossietzky University also offers academic career support (e.g. through further education and training programmes, (<https://uol.de/medizin/nachwuchs>)), flexible, family-friendly working hours and a VBL supplementary pension scheme in the public sector.

The University of Oldenburg aims to increase the proportion of women in the academic field. Therefore, women are strongly encouraged to apply. According to § 21 para. 3 NHG, female applicants should be given preferential consideration if their qualifications are equivalent. Applicants with disabilities are given preference in the event of equal suitability.

Please send your electronic application (as one single pdf file) including a cover letter, CV, publication list (if applicable), list of two potential referees, and copies of certificates of academic grades to Sonja.Mertsch@uni-oldenburg.de. The application deadline is 15th September 2024. For general questions contact Dr. Sonja Mertsch by email sonja.mertsch@uni-oldenburg.de.

