

## Dear patient, dear visitor,

With this flyer we would like to inform you about our activities in patient care and research to enable you to learn more about us and our clinic.



The Department of Ophthalmology is a tertiary referral center for patients and a teaching hospital for medical students in Ophthalmology. We are committed to advancing the understanding and treatment of ocular disorders. At the same time, our main focus is the best possible care for our patients in a friendly atmosphere.

With more than 80 staff members, including 18 ophthalmologists of all specialties, we are able to cover the complete conservative and surgical spectrum of Ophthalmology. Together with the Faculty of Medicine of the Justus-Liebig-University Giessen, we are performing strong research activities in all major fields of Ophthalmology. They enable us to implement the latest treatment options and to fulfill the promise of efficient translation of research results into clinical applications (i.e. "from bench to bedside"). In order to provide the highest standards in the performance of multicenter and international clinical trials, we take part in the international network of the European Vision Institute Clinical Trials Site of Excellence (EVI.CT.SE).



Of course, we offer the highest quality and safety for all the procedures you may need, which has recently been certified through the European standard DIN EN ISO 9001:2000.

We hope that your stay with us will be to your complete satisfaction.

Yours Sincerely

Prof. Dr. Birgit Lorenz

### How to contact us:

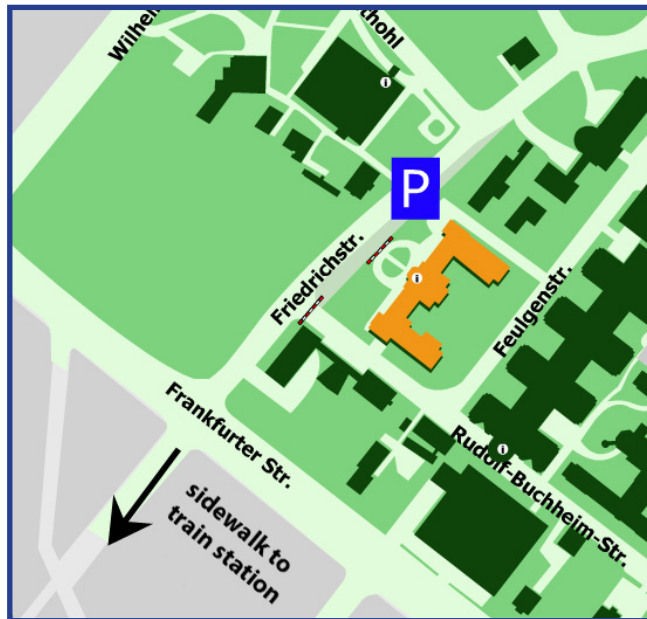
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### How to make an appointment:

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### How to reach us in Giessen:



[www.uniklinikum-giessen.de/flash/lageplan.swf](http://www.uniklinikum-giessen.de/flash/lageplan.swf)



UNIVERSITÄTSKLINIKUM  
GIESSEN UND MARBURG



Department of  
Ophthalmology  
Head: Prof. Dr. Birgit Lorenz

## Services of the Department

As a tertiary referral center, we offer the complete range of diagnostic and treatment services in comprehensive ophthalmology and in most of the subspecialty areas. Our services include routine eye examinations as well as the most advanced ocular surgery.

### Strabismus and Neuro-ophthalmology

Services include treatment of simple and complex ocular motility disorders, consultation on thyroid eye disease, lid pathology, assistance for patients with visual impairments, vision aids, and nystagmus.

### General Ophthalmology

The service offers outpatient cataract surgery and intravitreal injections of anti-VEGF molecules as treatment for neovascular diseases. Of course, our service also includes routine eye examination and laser treatments, as well as medical and surgical care for most anterior and posterior segment diseases. Patients can be screened for specific ocular problems and, if necessary, referred to appropriate specialty services nearby. In addition, we provide an on-call service for emergency eye problems.

### Paediatric Ophthalmology and ophthalmogenetic counseling

The service includes diagnosis of and medical counseling for all kinds of hereditary and acquired eye disorders (other than strabismus), including genetic counseling.

### Electrophysiology and Psychophysics

Services include electrophysiologic diagnosis of diseases of the retina and the visual pathway, including those using highly sensitive psychophysical methods.



## Research areas

- Defining the molecular causes of degenerative disorders of the retina and strabismus.
- Development of new therapeutic strategies for degenerative and neovascular disorders of the retina by gene or cell therapy
- Development of new technologies in retinal electrophysiology and imaging
- Participation in several multi-centre clinical trials for new ophthalmic drugs-Diagnosis and treatment of Retinopathy of rematurity (ROP)



## Diagnostic tools

Using comprehensive diagnostic investigations, we evaluate and treat eye disorders in the best way possible.

We have a wide range of state of the art diagnostic instruments and continue to collaborate with industrial providers of the latest tools to meet your expectations.

- Digital Funduscamera including angiographic unit
- Digital wide-angle photography RetCam 120
- Digital slit-lamp photography
- Ganzfeld electroretinography (ERG) for standard and specialized examination
- Multifocal ERG
- Visual evoked potential examination (flash-, chessboard-, albino-VEP)
- Two color threshold perimetry
- Fundus controlled microperimetry
- Binocular pupillometry
- IOL-Master
- Different automated refractometers
- Different static and dynamic perimeters
- Harms tangent screen
- Phase difference haploscope of Aulhorn
- Synoptometer
- Pentacam
- Different laser techniques (Infrared-Diode-Laser (cw), Nd:YAG laser, 532nm Laser (cw))

