

Doctoral Medical Thesis

Clinical & Experimental

We are actively seeking medical students who are interested in pursuing their clinical and/or experimental research thesis in the field of ocular and oral diseases. The Experimental and Translational Ophthalmology Department of the University Medical Centre of the Johannes Gutenberg University Mainz is a leading eye research laboratory in Germany that focuses on the pathogenesis of various ophthalmic diseases. Our department features a well-equipped cell culture and protein-biochemistry laboratory with conventional electrophoretic systems, as well as a state-of-the-art mass spectrometry system for protein profiling and biomarker identification (www.eye-research.org).

Activities and Responsibilities:

- Characterization of fundamental mechanisms and proteome changes underlying ocular and oral diseases, particularly dry eye syndrome, dry mouth syndrome, Sjogren's syndrome, systemic autoimmune and glaucoma using clinical proteomics strategy.

Qualification Profile:

- Medical or dental students
- Proficient in English
- Ability to work independently as well as in a team
- Conscientious and keen to learn new techniques

We Offer:

- Prior training, direct and constant supervision by the principal investigator, as well as the prospect of working in an interdisciplinary international research environment.
- Opportunity to work on exciting projects funded by the German Research Foundation (Deutsche Forschungsgemeinschaft, DFG) and the Internal University Research Funding from the University Medical Centre of the Johannes Gutenberg University Mainz .

Starting date: Immediately

Interested candidates are welcome to send your application with a recent CV and a cover letter in *one pdf file* to **Dr. Perumal** at nperumal@eye-research.org.