

Toric Intra-Ocular Lens (IOL) calculation for astigmatism correction in cataract surgery

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Internship's main tasks

IOL prediction calculation has been one of the most evolving subjects in ophthalmology with many new calculators and formulas presented to the community in the last decade. Tasks for this internship are:

- Gathering biometric data and organize it in a user-friendly data base
- Analysis of the data using one of different strategies: Population regressions, ray-tracing analysis or machine learning algorithms.

Required/desired skills/profile

- Strong motivation to evaluate methods of diagnostic with clinic application.
- Highly recommended to have completed all subjects of the previous course years (inclusive).
- Good training in computation, statistical analysis and optics knowledge is recommended.



ipfn
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General info

For general information regarding the Internship program please see:
<http://golp.ist.utl.pt/wp/opportunities/>