
About the company

Qplox is a fast growing company offering test and automation engineering. Headquartered in Leuven, with offices in Barcelona and Eindhoven.

Our clients are major multinational enterprises and local companies from automotive, semiconductors, RF, consumer electronics....Our Test automation group offers a one stop shop for design of automated test benches, system integration production, lab automation and data acquisition systems, with a growing focus in IoT sensor networks.

Our consultancy department offers services in RF, semiconductors and electronics design and test, as well as on the crossing roads of Nanotechnology, Bio-Science Engineering and Biotechnology .

Job Description

There is increasing evidence that combining retinal imaging techniques allows for non-invasive diagnosis of several diseases. We are looking for an enthusiastic optical system specialist to setup a model that combines the medical problem statement and the technologies to tackle it.

The assignment

As an optical system specialist, you will be responsible for creating models that capture the opto-physical changes related to biological phenomena in the eye, for a selection of cardiovascular & neurological disorders. You will setup these models using the available literature data and intense interactions with ophthalmologists.

Moreover, by a close interaction with the optical and photonic specialists, you will create models for the imaging hardware and link them to the disease models, enabling us to explore the required specifications for the miniaturized hardware.

Hence, this job requires both deep insights in the optical phenomena that are linked to biological disorders, and in the hardware configuration that is needed to capture them. Therefore, you will work with a variety of modeling tools and have regular and intense communication with both medical and technology specialists. As a final outcome you will generate a report clearly linking the diseases with imaging modalities, identifying the sensitivity and selectivity as a function of technology specifications.

Candidate Description

- You have experience with optical and/or photonic systems.
- Experience in optical modeling/characterization of biological phenomena is an asset.
- You have experience with optical/photonic modeling packages (e.g. Zemax, comsol,).
- You have extensive programming skills.
- You have experience working in a research or development environment with an interdisciplinary team.
- You are a team player.
- You are fluent in English and have excellent communication skills.

We offer

An attractive salary package with extra benefits. A high tech, multicultural and young ambient. A fast track in a growing company. Formation in multidisciplinary environment plenty of learning opportunities.

Contact

Send your CV and application letter to jobs@qplox.com with the subject "Bio-Imaging System Engineer".
