

WE'RE HIRING

FULLY FUNDED PhD STUDENT IN PHYSICS

Topic: Optomechanical instruments and measurement methods in mechanobiology

Project: Innovative Training Network, H2020-MSCA-ITN-2018, Phys2Biomed¹

Since its foundation in 2011, Optics11 has been delivering novel optomechanical devices for the measurement of the viscoelastic properties of cells and tissues. We are now looking for a young hands-on scientist who wants to take the lead in our next technical and scientific challenges. The candidate will be embedded in the PhD program of the Vrije Universiteit Amsterdam, working at the interface between the research unit of the company and the academic group of Prof. Davide Iannuzzi. Are you in for a challenge?

Who do we need?

Optics11 is looking for a freshly graduated scientist who holds an MSc degree in physics or mechanical/biomedical engineering. The ideal candidate must have hands-on experience with designing, assembling, and testing scientific instruments. Candidates with some knowledge in the fields of atomic force microscopy, MEMS, advanced imaging techniques, or optical fiber sensing are particularly encouraged to apply. In the first part of the PhD trajectory, the student will work on our latest product, which combines an optomechanical indentation tool with a whole set of optical microscopy techniques. In the second part, he/she will design and develop a new optomechanical tool for the mechanical characterization of cells and tissues.

This is an immediately available, fully funded, full-time position for a PhD student.

Admission criteria

Applicants must have a master's degree from a University before the end of the call. Candidates can be of any nationality but need to demonstrate transnational mobility, i.e. move from one country to another when taking up their appointment (they must not have resided or carried out their main activity - work, studies, etc. - in the country of their host organisation for more than 12 months in the 3 years immediately before the reference date). The candidates must be in the first four years (full-time equivalent research experience) of their research careers, and have not been awarded a doctoral degree. Good proficiency in written and spoken English is required (at least level B2).

What do we offer?

Optics11 is a fast growing high-tech company based in Amsterdam and is developing new optical fiber measurement systems for many different markets, with customers all over the world. The company has a long standing collaboration with the group of Prof. Iannuzzi at the Vrije Universiteit Amsterdam, who has pioneered the technology this project is based on. You will be offered the best of both worlds (corporate and academic), working in a young, enthusiastic, and international team, with huge opportunities to grow.

To apply, send in your resume and motivation letter to d.iannuzzi@vu.nl

The call will be open until the 15th of March, 2019.

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