



Development of optical imaging probe for intra-arterial plaque characterization

Job Offer:

The International Iberian Nanotechnology Laboratory (INL) is launching a research staff position for the development of optical imaging probe for intra-arterial plaque characterization. The laboratory provides a high-tech research environment formed by state-of-the-art infrastructure equipped with the latest technologies, to address the major challenges in nanofabrication, nanocharacterization and other nanotechnologies applied to environmental & food control, nanomedicine and nanoelectronics.

INL is seeking to hire a motivated researcher with an extensive track record of experimental skills in optics and photonics combined with extensive training in optical theoretical concepts. You will be responsible for the design and implementation of an optical probe system combining fluorescence spectroscopy and optical coherence tomography, to be applied in a clinical environment for intra-arterial imaging. Essential expertise for this task comprises extensive knowledge of optical components, including fibre optics. Software control and implementation of various instruments with appropriate software platforms such as for example LabVIEW or MATLAB is considered a necessary skill. Experience in fluorescence spectroscopy or optical coherence tomography instrumentation development is welcome, while exposure to a cross-disciplinary research environment will be regarded positively.

INL will offer the successful candidate a competitive salary and benefits package. The position will be available as of January 1st, 2014. It is renewable pending on performance and funding availability.

A successful candidate should have obtained a PhD degree in physics or other strongly related research field. For further information, please contact Pieter De Beule (Pieter.De-Beule@inl.int) or Marina Brito (Marina.Brito@inl.int).

How to apply

Interested applicants should submit, until **December 15th 2013**, their curriculum vitae, a cover letter describing motivation and research experience, and two reference letters through INL's recruitment website at: http://inl.int/job_offers

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