

CALL FOR APPLICATIONS

Job:

Job reference:	AE2017-0123 (NanoStima-RL1-1 - CAP) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Post-Doc Grants (BPD)
City:	Porto
Research field:	Main: PHYSICS Sub: Optics

Job summary:

INESC TEC is accepting applications to award 1 Postdoctoral Grant	
Project:	NanoSTIMA ? Macro-to-Nano Human Sensing: Towards Integrated Multimodal Health Monitoring and Analytics (NORTE-01-0145-FEDER-000016)
Scientific Advisor:	Paulo Vicente Marques
Duration Grant:	from 2017-06-05 to 2018-05-04 (11) . The grant may be renewed for additional periods up to the maximum duration of the project or the duration of the grant for which the candidate was selected. It can also be renewed due to another project provided that it is entirely or partly related to the work area in the call and that it contributes to the ongoing training.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area:	Laser direct writing, integrated optics microfluidics
Project overview:	The researcher will be integrated in project NanoSTIMA. This task deals with the development of microfluidic chips enabled with photonic manipulation and sensing tools; characterization of the fabrication and monolithic integration of waveguides and microfluidic channels in Foturan glass and optical fibers; it also includes the development of micro-structured optical fiber probes for single cell manipulation and sensing.
Objectives:	Fabrication of devices by laser direct writing involving: - waveguides and machining processes and upgrade of existing experimental laser setup - optical characterization of devices - optical simulations using BPM simulation tools available - support of the experimental activities of MSc and PhD students in the subject

Academic Qualifications:	PhD in Physics, Physical Engineering, and related areas
Minimum Profile required:	Good experimental skills Some laboratorial experience in the related areas.
Preference factors:	Experience in laser direct writing processes, optics, integrated optics and
Monthly Grant:	€1495,00 according to the Stipends values of the grants awarded directly by the FCT, paid by bank transfer. The grant holder may also benefit from additional incomes in the sequence of a quarterly evaluation process (Clauses 12 and 13 of INESC TEC Grants Regulation and Annex II), up to a maximum of 50% of the monthly grant.

Project duration:	2015-07-01 a 2018-06-30
Funding Entity:	CCDRN, financiado pelo Fundo Europeu de Desenvolvimento Regional (FEDER) através do Programa Operacional Regional do Norte (NORTE 2020)
The grant contract shall be submitted to the legislation concerning the Research Grant Holder Statute , approved by Law n 40/2004, dated 18 August, amended and republished by Decree-Law No. 202/2012 of 27 August and amended by Decree-Law No. 233/2012 of 29 October and by Law No. 12/2013, of January 29, and Decree-Law No. 89/2013 of July 9 as well as by INESC TEC Grant Regulation , approved by FCT - Fundação para a Ciência e a Tecnologia (Science and Technology Foundation) in 12 January 2011 and FCT current Grant Regulation. Additional information about INESC TEC Grants Regulation and relating annexes may be found at www.inesctec.pt/grants	

Selection Criteria:	Curriculum evaluation based on the criteria referred to in Clause 7º INESC TEC Grants Regulation and will include individual interviews in the final stage of the selection process, with its valuation: 80% curriculum evaluation (35% CV, 25% scientific domains and 20% Expertise) and 20% interview.
Selection Jury:	President of the Jury: Prof. Paulo Vicente Marques; Permanent Member: Prof. Pedro Jorge; Substitute Member: Prof. Carla Carmelo Rosa;
Notification of results:	The results of the selection process will be disseminated to interested parties by mail, as referred to in Clause 8 of INESC TEC Grants Regulation .
Application period:	From 2017-05-08 to 2017-05-31
Application submission:	Fill in the electronic form in the section Work with Us at www.inesctec.pt , attaching the Curriculum Vitae, certificate of qualifications and other supporting documents relevant to the final assessment.