

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2023-0483 (SMARTCAP - CAP) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	Porto
Research field:	Main: PHYSICS Sub: Optics

Job summary:

INESC TEC is accepting applications for 1 RESEARCHER job in the Manufacturing of sensors in waveguides for application in catheters	
Project:	Light-activated cap for catheters sterilization
Scientific Advisor:	Orlando Frazão
Start Date:	2024-01-15
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Manufacturing of sensors in waveguides for application in catheters
Project overview: The work is part of the smart cap project, which aims to develop an optoelectronic system for biomedical application, especially in catheters. The work has two strong components, one in the area of electronics and in graphene deposition on waveguides.
Objectives: Its objective is to manufacture and assemble waveguides with graphene oxide. It is intended to characterize both thermally and in optical power.

Academic Qualifications:	Master in Physical engineering
Minimum profile required:	Experience in graphene deposition Knowledge of optics and laser sources
Preference factors:	Student interested in pursuing a PhD

Funding Entity:	funded by Wellcome, project (reference SMARTCAP - Light-activated cap for catheters sterilization)
Type of contract:	Uncertain term contract
The hiring shall be governed by what is stipulated in the legislation in force regarding uncertain term employment contracts and by INESC TEC norms.	

Selection criteria:	The selection of the candidates will be based on the following criteria, in descending order of consideration: a) Relevant Curriculum in the concerned field of this tender b) Proven experience.
Selection Jury:	President of the Jury: Orlando Frazão; Member: Susana Oliveira Silva; Member: Susana Novais;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2023-12-07 to 2023-12-21
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us