

JOB OFFER		
REFERENCE	OPENING DATE	DEADLINE
INNVAL18/23	07/03/2019	16/03/2019
WORKPLACE		
RESEARCH GROUP		PRINCIPAL INVESTIGATOR
Photronics Engineering Group		Eusebio Real Peña
WORKPLACE		UNIT / DEPARTMENT
University of Cantabria		Dep TEISA. Photonics Engineering Group
LOCATION WORK PLACE (building, pavilion, plant etc.)		LOCALITY
Edificio José Luis García, planta -4, Laboratorio GIF		SANTANDER
		POST CODE
		39005
PROFILE REQUIREMENTS		
PROFESSIONAL CATEGORY		ACADEMIC DEGREE
Research Support Technician		Master's Degree in Telecommunications Engineering, level MECES III. (PRIVAL 2)
CANDIDATE REQUIREMENTS		
<ul style="list-style-type: none"> - Experience in the development of algorithms to optimize the processing time towards the acceleration of software execution. - Knowledge of image and video processing techniques. - Experience in the management and configuration of photonic instrumentation (spectral, multi & hyperspectral, thermographic techniques, etc.). 		
Valued merits / skills		
<ul style="list-style-type: none"> - Previous experience in image processing and instrumentation. - Experience in the realization of measurements on tissues, especially those related to the technique of Optical Coherence Tomography. - Affinity for programming (Matlab, Phyton, C ++, C, etc.) for the creation of GUIs (Graphical User Interface). - Publications on the scope of the contract or intimately related. 		
RECRUITMENT INFORMATION		
RESEARCH PROJECT		
INNVAL18/23 (Automated Diagnosis of Ophthalmologic Pathologies through OCT, (DAPatOO))		
DESCRIPTION OF THE TASKS IN THE PROJECT		
<ul style="list-style-type: none"> - Development of acceleration algorithms in GPU (Graphics Processing Unit) for image processing techniques. - Machine learning techniques to analyse OCT images. - Development of image processing techniques for the quantification of biological parameters through optical measurements and the pathological identification of tissues. 		

DURATION OF THE CONTRACT	JOB STATUS	ANNUAL GROSS SALARY IN PARTIAL TIME (25H PER WEEK)
6 Months extendable depending on the project and the economic availability	Partial 25 hours per week	16.929,35€
SELECTION BOARD		
<ul style="list-style-type: none"> • Eusebio Real Peña, Project´s Main Researcher • Galo Peralta, IDIVAL´s Management Director • Marta Abelleira, Human Resources Coordinator (She will act as registrar of the selection board) <p>A personal interview can be scheduled for candidates with the best merits assessment.</p>		