

JOB OFFER		
REFERENCE	OPENING DATE	DEADLINE
INNVAL24/24	14/01/2025	23/01/2025
PROFILE REQUIREMENTS		
EXCLUSIVE REQUIREMENTS: (1)		
ACADEMIC DEGREE	• Máster in Telecommunications Engineering o equivalent (<i>Justification must be provided with the application</i>).	
OTHERS REQUIREMENTS	• English, B2 level (<i>Justification must be provided with the application</i>).	
VALUED MERITS /SKILLS		
FURTHER	- Contribution to national and international congresses on topics associated with the functions of the project. - Training courses in technological innovation, intellectual property, etc. - Other postgraduate training	
EXPERIENCE	- Demonstrable experience (scientific contributions, presentations, etc.) in technologies related to the project (3D, HSI, OCT, AI, etc.). - Experience in the generation and application of Artificial Intelligence models for the characterisation of materials and tissues. - Experience in characterisation of materials exposed to radiation. - Experience in programming (Python, C++, etc.) for the development and management of computer platforms for the integrated management of data and measurements. - Experience as a research support technician in innovation projects. - Experience as a research support technician.	
CONTRACT INFORMATION		
TYPE OF CONTRACT	EXPECTED INCORPORATION DATE	JOB STATUS
Contract for scientific-technical activities (article 23.bis of Law 14/2011, of June 1, on Science, Technology and Innovation)	February 2025	Part time. 1.350 per year (aprox. 30 h/week)
ANNUAL GROSS SALARY	DURATION OF THE CONTRACT	
22.789,90 € , without prejudice to the basic update established in state legislation for 2024.	Indefinite (linked to the duration of the project or to external financing or financing from public grants in full competition).	
WORK LOCATIONS	UNIT/DEPARTMENT	
Edificio José Luis García, IDI Telecomunicacion, Universidad de Cantabria	Photonics Engineering Group	
JOB DETAILS		
OFFER DESCRIPTION		
Research Support Technician		
FUNCTIONS		
Support for 3D modelling and HSI/OCT characterisation processes of reference materials subjected to radiation: <ul style="list-style-type: none"> o Development of HSI (hyperspectral imaging) and OCT (Optical Coherence Tomography) characterisation techniques for radiochromic films subjected to controlled radiation. o Development of HSI/OCT image processing techniques for material dosimetry quantification. o Development of GPU (Graphics Processing Unit) acceleration algorithms for image processing techniques. o Participation in the design, cataloguing and measurement of 3D reference models. o Participation in the preparation of irradiated parts. o Management of a computer platform for measurements storage. 		
PRINCIPAL INVESTIGATOR / RESPONSABLE	RESEARCH GROUP	RESEARCH PROJECT



Olga M Conde Portilla		Grupo Ingeniería Fotónica		INNAL24/24	
RECRUITMENT INFORMATION					
SELECTION PROCESS STAGES (2)					EMPLOYMENT EXCHANGE
1. Admission of applications. 2. Competition phase. 3. Interview phase: maximum number of candidates to be interviewed: 3. Minimum score for this phase: 50 4. Report of the Tribunal. 5. Resolution. Note: in order for candidates to be considered for recruitment and employment exchange purposes, they must have a total score of at least 30 points.					NOT
SELECTION BOARD					
<ul style="list-style-type: none"> • President: Olga María Conde Portilla, Principal Investigator of the Research Project. • Vocal: Francisco Javier Madruga Saavedra, Miembro del equipo de investigación. • Vocal y secretaria: María José Marín Villeda, Coordinator of IDIVAL's Technological Services. 					
VALUATION OF MERITS					
MERITS		EVALUATION	SCORE		MAXIMUM
Demonstrable experience (scientific contributions, presentations, etc.) in technologies related to the project (3D, HSI, OCT, AI, etc.).		Curricular	Compliance with the requirement	YES/NO	20
Experience in the generation and application of Artificial Intelligence models for the characterisation of materials and tissues.		Curricular	Compliance with the requirement	YES/NO	10
Experience in programming (Python, C++, etc.) for the development and management of computer platforms for the integrated management of data and measurements.		Curricular	Compliance with the requirement	YES/NO	10
Experience in characterisation of materials exposed to radiation.		Curricular	Compliance with the requirement	YES/NO	5
Experience as a research support technician in innovation projects.		Curricular	Compliance with the requirement	YES/NO	5
Experience as a research support technician. Training courses in technological innovation, intellectual property, etc.		Curricular	Compliance with the requirement	YES/NO	5
Contribution to national and international congresses on subjects associated with the functions of the project.		Curricular	Compliance with the requirement	YES/NO	5
Training courses in technological innovation, intellectual property, etc.		Curricular	Compliance with the requirement	YES/NO	5
Other postgraduate training		Curricular	Compliance with the requirement	YES/NO	5
FINAL SCORE					
MAXIMUM TOTAL SCORE BY MERITS					70



MAXIMUM TOTAL SCORE IN INTERVIEW	30
MAXIMUM TOTAL SCORE	100

- (1) Not subsanable
(2) See duration of each phase in the document “Selection Process”

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Santander as of the date of electronic signature

Fdo. Francisco Galo Peralta Fernandez

