

JOB OFFER		
REFERENCE	OPENING DATE	DEADLINE
DTEC21/05	05/03/2024	14/03/2024
PROFILE REQUIREMENTS		
EXCLUSIVE REQUIREMENTS: (1)		
ACADEMIC DEGREE	Degree in Industrial Electronics and Automation Engineering/ in Mechanical Engineering/ in Industrial Technologies (<i>Exclusive requirement: provide justification with the application.</i>)	
VALUED MERITS /SKYLLS		
FURTHER	<ul style="list-style-type: none"> • Motion capture systems training. • Computer aided design training. • 3D printing training. 	
EXPERIENCE	<ul style="list-style-type: none"> • Design of ergonomic systems in relation to surgical practice. • Design of experiments and trials in healthcare environments. • Control and actuation systems. • Motion capture systems. • Use of 3D printing. 	
LANGUAGES	<ul style="list-style-type: none"> • English 	
CONTRACT INFORMATION		
TYPE OF CONTRACT	EXPECTED INCORPORATION DATE	JOB STATUS
Eventual	02/04/2024	Part-time 787.5 hours per year (approx. 17.5 hours per week)
ANNUAL GROSS SALARY		DURATION OF THE CONTRACT
10.824,38 €		3 months
WORK LOCATIONS		UNIT/DEPARTMENT
School of Industrial and Telecommunication Engineering of the University of Cantabria / Marqués de Valdecilla University Hospital		Structural and Mechanical Engineering
JOB DETAILS		
OFFER DESCRIPTION		
Research support technician		
FUNCTIONS		
<ul style="list-style-type: none"> - Experimental evaluation of the surgeon's workstation. - Design of ergonomic systems in endoscopic surgery. - Simulation of mechanical systems applied to surgery. - Development of control and actuation systems. - Construction of prototypes by 3D printing. - Design of experiments and experimentation. - Functions will be developed both in the ETSI Industriales and in the HUMV operating rooms. - Dissemination of research results. 		
PRINCIPAL INVESTIGATOR / RESPONSABLE	RESEARCH GROUP	RESEARCH PROJECT
David Lobo Duro	University of Cantabria/ Marqués de Valdecilla University Hospital	DTEC 21/05. Refinement and market study of an ergonomic system for the improvement of working conditions in minimally invasive surgery.

RECRUITMENT INFORMATION				
SELECTION PROCESS STAGES (2)				EMPLOYMENT EXCHANGE
1. Pre-selection 2. Interview: maximum candidates to be interviewed: 3. Minimum score for this phase: 35 3. Report of the Selection Board 4. Resolution				YES
SELECTION BOARD				
<ul style="list-style-type: none"> • David Lobo Duro, Principal Investigator of the Project • Ramón Sancibrián Herrera, Project Researcher • Galo Peralta, IDIVAL 's Management Director • Patricia Álvarez-Ingelmo, IDIVAL Human Resources Coordinator (She will act as registrar of the selection board). 				
VALUATION OF MERITS				
MERITS	EVALUATION	SCORE		MAXIMUM
Formation of motion capture systems	Supporting Document	Merit fulfillment	YES/ NO	10
Computer-aided design training	Supporting Document	Merit fulfillment	YES/ NO	10
3D printing training	Supporting Document	Merit fulfillment	YES/ NO	10
Design of ergonomic systems in relation to surgical practice.	Curricular	Merit fulfillment	YES/ NO	5
Design of experiments and trials in healthcare environments.	Curricular	Merit fulfillment	YES/ NO	5
Control and actuation systems.	Curricular	Merit fulfillment	YES/ NO	5
Motion capture systems.	Curricular	Merit fulfillment	YES/ NO	5
Use of 3D printing.	Curricular	Merit fulfillment	YES/ NO	5
English	Supporting Document	Level	B1: 3 points B2 or higher: 5 points	5
FINAL SCORE				
MAXIMUM TOTAL SCORE BY MERITS				60
MAXIMUM TOTAL SCORE IN INTERVIEW				40
MAXIMUM TOTAL SCORE				100

(1) Not subsanable

(2) See duration of each phase in the document "Selection Process"

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