



SELECTION PROCEDURE FOR POSTDOCTORAL RESEARCH STAFF CONTRACTED USING FUNDING FOR SPECIFIC PURPOSES OR UNIVERSITY OF BARCELONA POLICY FUNDING (SIMPLIFIED PROCEDURE)

Information required to publish the offer on the Euraxess portal – Job offer

Mandatory	Optional
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Project information

Acronym	THERMODUST	FBG project number	I1RN002272
Project title	A paradigm shift for the future's thermal management devices through radical innovation in new materials		
IP	Dr. Sergi Dosta Parras		
Department	Departament de Ciència de Materials i Química Física		

Basic information

Job description

Title	Post-Doc position			
Offer description <i>Project description, responsibilities, functions and/or tasks of the position, PhD program, etc.</i>	Participation in Thermodust project “A paradigm shift for the future's thermal management devices through radical innovation in new materials”, partner of Universitat de Barcelona, for the characterization and processing of novel materials developed in the project for new highly advanced applications. The post-doc will be responsible for the simulation processes, and will help in the characterization tasks.			
Researcher Profile <i>Select one</i>		First Stage Researcher (<i>PhD candidate or equivalent, experience less than 4 years</i>)		
	<input checked="" type="checkbox"/>	Recognised Researcher (<i>PhD holder or equivalent, experience more than 4 years, not fully independent</i>)		
		Stablished Researcher (<i>Established researcher with a developed level of independence</i>)		
		Leading Researcher (<i>Leading his/her area or field</i>)		
Researchfield <i>Select one</i>		Agricultural sciences	Educational sciences	Literature
		Anthropology	X	Engineering
		Architecture	Environmental sciences	Religious sciences
		Arts	Ethics in health sciences	Sociology



	Astronomy	Ethics in natural sciences	Physiological sciences
	Biological sciences	Ethics in physical sciences	Neurosciences
	Chemistry	Geography	Pharmacological sciences
	Communication sciences	Geosciences	Mathematics
	Computer science	History	Philosophy
	Criminology	Information science	Medical sciences
	Cultural science	Juridical sciences	Political sciences
	Demography	Language sciences	Physics
	Economics	Other	

Gross salary per year	25.000 – 28.000
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How to apply

Required documents	Application letter, Curriculum vitae, etc.		
Send your application to:	email	sdosta@ub.edu	
	Name	Sergi Dosta	
	email subject	Thermodust Post-Doc	

Work conditions

Type of contract	Temporary		
Job status <i>select one</i>	<input checked="" type="checkbox"/> full-time	<input type="checkbox"/> part-time	Hours per week 37,5
Application deadline	21-12-2022		Job Starting Date 01-02-2023

Funding

Is the job funded through a EU Research Framework Programme? <i>Select one</i>	<input type="checkbox"/>	H2020 / Marie Skłodowska-Curie Actions COFUND	FP7 / People-Maire Curie Actions COFUND
	<input type="checkbox"/>	H2020 / Marie Skłodowska-Curie Actions	FP7 / People-Maire Curie Actions
	<input type="checkbox"/>	H2020 / ERC	FP7 / Ideas-ERC
	<input type="checkbox"/>	H2020 / EIT	FP7 / JRC
<i>Select one</i>	<input checked="" type="checkbox"/>	H2020	FP7
If not, indicate the fund program and organization			
Science4Refugees			

Hiring Organisation

Contact Person:	Name	Sergi Dosta
	email	sdosta@ub.edu
	Phone	934034449
	Mobile phone	

Work location

Department / Centre	Departament de Ciència de Materials i Química Física		
City	Barcelona		
Street	C/ Martí I Franqués 1	Postal Code	08028



Requirements

Required Education Level <i>Select one</i>	Bachelor Degree or equivalent		
	Master Degree or equivalent		
	X	PhD or equivalent	
Skills/Qualifications	Simulation of powder processing through: MATLAB, ANSYS, FLUENT. Metallographic characterization of samples with SEM, FESEM, TEM, DRX, AFM, Laser Scattering. Thermal characterization through: DSC, TGA, DTA Knowledge in additive manufacturing technologies		
Specific requirements	Materials scientist or Chemical Engineering Background Experience in data programming		
Required languages	Language	Level	
		<i>Basic/Good/Excellent/Mother tongue</i>	
	English	Excellent	
	Spanish	Good	
Catalan	Good		

Additional information

Website for additional job details	
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Selection process

Eligibility criteria	<ul style="list-style-type: none"> • Advanced knowledge of materials engineering and chemical engineering • Advanced Knowledge of simulation processes • Advanced experience in sample preparation and materialography • Experience in using advanced characterization techniques • Knowledge in additive manufacturing technologies • Knowledge of technical English • Experience in writing reports and/or research articles
Selection process	Materials scientist or Chemical Engineering Background Advanced experience in data programming

Additional comments



Priority will be given to people with disabilities (article 59 Law 5/2015 of October 30), according the basic Statute of Public Employees.

Important:

The starting date of labour contract is indicative, and will depend on the selected candidate have all the documentation in order to be hired.

Once these terms and conditions have been completed, they must be sent to the General Affairs Office, along with the document confirming the budget availability. The reference unit will prepare the resolution of the call for applications and post it on Euraxess.