



## Euraxess Job offer

<b>Mandatory</b>	Optional
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### Project information

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

### Basic information

#### Job description

<b>Title</b>	PhD Student in Material Science			
<b>Offer description</b> <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.			
<b>Researcher Profile</b> <i>Select one</i>	<input checked="" type="checkbox"/>	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> )x		
	<input type="checkbox"/>	Stablished Researcher ( <i>Established researcher with a developed level of independence</i> )		
	<input type="checkbox"/>	Leading Researcher ( <i>Leading his/her area or field</i> )		
<b>Researchfield</b> <i>Select one</i>	<input type="checkbox"/>	Agricultural sciences	Educational sciences	Literature
	<input type="checkbox"/>	Anthropology	Engineering	Technology
	<input type="checkbox"/>	Architecture	Environmental sciences	Religious sciences
	<input type="checkbox"/>	Arts	Ethics in health sciences	Sociology
	<input type="checkbox"/>	Astronomy	Ethics in natural sciences	Physiological sciences
	<input type="checkbox"/>	Biological sciences	Ethics in physical sciences	Neurosciences
	<input type="checkbox"/>	Chemistry	Geography	Pharmacological sciences
	<input type="checkbox"/>	Communication sciences	Geosciences	Mathematics
	<input type="checkbox"/>	Computer science	History	Philosophy
	<input type="checkbox"/>	Criminology	Information science	Medical sciences
	<input type="checkbox"/>	Cultural science	Juridical sciences	Political sciences
	<input type="checkbox"/>	Demography	Language sciences	Physics
	<input type="checkbox"/>	Economics	x	Other (Material Science)

<b>Gross salary per year</b>	16.500€ – 24.000€
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#### How to apply

<b>Required documents</b>	Application letter, Curriculum vitae, etc.
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Send your application to:	email	<a href="https://www.ub.edu/eadministracio/IG.html">https://www.ub.edu/eadministracio/IG.html</a>
	Name	Sergi Dosta
	email subject	Thermodust PhD

### Work conditions

Type of contract	Temporary			Hours per week	37.5
Job status <i>Select one</i>	<input checked="" type="checkbox"/> full-time	<input type="checkbox"/>	part-time	Job Starting Date	01/05/2023
Application deadline	23/03/2023				

### 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
	<input checked="" type="checkbox"/>	H2020	FP7
If not, indicate the fund program and organization			
Science4Refugees			

### Hiring Organisation

Contact Person:	Name	Sergi Dosta
	email	<a href="mailto:sdosta@ub.edu">sdosta@ub.edu</a>
	Phone	934034449
	Mobile phone	

### Work location

Department / Centre	Departament de Ciència de Materials i Química Física		
City	Barcelona		
Street	Carrer de Martí i Franquès, 1	Postal Code	08028

### Requirements

Required Education Level <i>Select one</i>	<input checked="" type="checkbox"/>	Bachelor Degree or equivalent
	<input checked="" type="checkbox"/>	Master Degree or equivalent
	<input type="checkbox"/>	PhD or equivalent
Skills/Qualifications	Simulation of powder processing through: MATLAB, ANSYS, FLUENT. Microstructural characterization of sample with SEM, FESEM, TEM, DRX, AFM, Laser Scattering. Formal characterization through: DSC, TGA, DTA	
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

### Additional information

Website for additional job details	
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### Selection process

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

### Additional comments

<p><i>Priority will be given to people with disabilities (article 59 Law 5/2015 of October 30), according the basic Statute of Public Employees.</i></p> <p>Important:</p> <p>The starting date of labour contract is indicative, and will depend on the selected candidate have all the documentation in order to be hired.</p>
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Una vegada degudament complimentat l'anterior formulari, faci'ns-el arribar per correu electrònic per tal que des de l'OPIR iniciem el procés de publicació de l'oferta a EURAXESS.